

Phase	Worker Trips/Day	Worker Trip Length	Worker VMT/Day	Phase Length (Days)	Work VMT (Total)	Vendor Trips (Total)	Vendor Trip Length	Vendor VMT (Total)	Hauling Trips	Hauling Trip Length	Hauling VMT (Total)	
Demolition	15	10.8	162.00	20	3,240.00	0	7.3	0	0	20	0	
Site Preparation	18	10.8	194.40	5	972.00	0	7.3	0	0	20	0	
Grading	15	10.8	162.00	8	1,296.00	0	7.3	0	0	20	0.00	
Building Construction	33	10.8	356.40	230	81,972.00	6	7.3	43.80	0	20	0	
Architectural Coatings	7	10.8	75.60	18	0.00	0	7.3	0	0	20	0	
Paving	20	10.8	216.00	24	5,184.00	0	7.3	0	0	20	0	Total VMT
					92,664.00			43.80			0.00	92,707.80

EMFAC2014 (v1.0.7) Emissions Inventory

Region Type: Air District

Region: San Diego County APCD

Calendar Year: 2020

Season: Annual

Vehicle Classification: EMFAC2011 Categories

Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD VMT	Fuel Consumption (1,000 gal/day)	SD Gallons/Day	Fuel Efficiency (mpg)	Total VMT	Total Fuel Consumption		
Workers													
San Diego County APCD	2020	LDA	GAS	1,305,532.46	70.3%	46,477,370.31	1,647.95	1,647,945.02	28.20	65,111.14	2,308.64	GAS	
San Diego County APCD	2020	LDA	DSL	14,881.07	0.8%	538,420.33	15.12	15,116.75	35.62	742.17	20.84	3,569.23	
San Diego County APCD	2020	LDT1	GAS	113,584.69	6.1%	3,527,546.68	152.36	152,357.09	23.15	5,664.84	244.67		
San Diego County APCD	2020	LDT1	DSL	175.28	0.0%	3,620.17	0.14	140.33	25.80	8.74	0.34	DSL	
San Diego County APCD	2020	LDT2	GAS	423,070.24	22.8%	15,153,592.89	729.61	729,614.16	20.77	21,099.89	1,015.92	22.53	
San Diego County APCD	2020	LDT2	DSL	746.42	0.0%	29,442.88	1.07	1,071.97	27.47	37.23	1.36		
Delivery/Hauling										Delivery Total VMT	Delivery Fuel Consumption	Hauling Total VMT	Hauling Fuel Consumption
San Diego County APCD	2020	T7 CAIRP	DSL	1,535.81	11.5%	320,805.92	54.64	54,639.07	5.87	5.03	0.86	0.00	0.00
San Diego County APCD	2020	T7 CAIRP construction	DSL	101.68	0.8%	24,144.94	4.11	4,109.54	5.88	0.33	0.06	0.00	0.00
San Diego County APCD	2020	T7 NNOOS	DSL	1,565.37	11.7%	397,799.74	63.32	63,318.44	6.28	5.13	0.82	0.00	0.00
San Diego County APCD	2020	T7 NOOS	DSL	620.85	4.6%	126,718.24	22.04	22,041.22	5.75	2.04	0.35	0.00	0.00
San Diego County APCD	2020	T7 POLA	DSL	239.52	1.8%	36,156.54	6.31	6,305.61	5.73	0.79	0.14	0.00	0.00
San Diego County APCD	2020	T7 Public	DSL	1,343.61	10.1%	30,810.26	6.32	6,315.14	4.88	4.40	0.90	0.00	0.00
San Diego County APCD	2020	T7 Single	DSL	1,570.12	11.8%	158,290.21	26.56	26,556.36	5.96	5.15	0.86	0.00	0.00
San Diego County APCD	2020	T7 single construction	DSL	656.11	4.9%	62,459.79	10.41	10,413.99	6.00	2.15	0.36	0.00	0.00
San Diego County APCD	2020	T7 SWCV	DSL	1,551.11	11.6%	71,432.95	28.55	28,550.17	2.50	5.08	2.03	0.00	0.00
San Diego County APCD	2020	T7 tractor	DSL	3,545.65	26.5%	478,144.83	78.20	78,203.26	6.11	11.62	1.90	0.00	0.00
San Diego County APCD	2020	T7 tractor construction	DSL	518.98	3.9%	46,568.39	7.84	7,835.72	5.94	1.70	0.29	0.00	0.00
San Diego County APCD	2020	T7 utility	DSL	113.48	0.8%	2,596.27	0.50	502.81	5.16	0.37	0.07	0.00	0.00
										43.80	8.64	0.00	0.00
												Total Diesel	31.17

7974.1 Prospect Estates - Energy

Phase	Phase Length (Days)	Equipment	Amount	Daily Usage Hours	Total Usage Hours	Horse Power	Load Factor	Fuel Used (Gallons)
Demolition	20	Concrete/Industrial Saws	1	8	160	81	0.73	543
	20	Excavators	3	8	480	158	0.38	1,488
	20	Rubber Tired Dozer	2	8	320	247	0.40	1,632
Site Preparation	5	Rubber Tired Dozer	3	8	120	247	0.40	612
	5	Tractors/Loaders/Backhoes	4	8	160	97	0.37	330
Grading	8	Graders	1	8	64	187	0.41	253
	8	Excavators	1	8	64	158	0.38	198
	8	Rubber Tired Dozer	1	8	64	247	0.40	326
	8	Tractors/Loaders/Backhoes	3	8	192	97	0.37	395
Building Construction	230	Cranes	2	7	3,220	231	0.29	11,136
	230	Forklifts	3	8	5,520	89	0.20	5,639
	230	Generator Sets	1	8	1,840	84	0.74	6,564
	230	Tractors/Loaders/Backhoes	3	7	4,830	97	0.37	9,949
	230	Welders	1	8	1,840	46	0.45	2,186
Paving	18	Pavers	1	8	144	130	0.42	406
	18	Paving Equipment	2	6	216	132	0.36	530
	18	Rollers	2	6	216	80	0.38	377
	18	Cement and Mortar Mixers	2	6	216	9	0.56	62
	18	Tractors/Loaders/Backhoes	1	8	144	97	0.37	297
Architectural Coatings	24	Air Compressors	1	6	144	78	0.48	309
								43,232

<https://ww3.arb.ca.gov/msei/ordiesel.htm>
2017 Off-road Diesel Emission Factors

EMFAC2014 (v1.0.7) Emissions Inventory

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Units: miles/day for VMT, trips/day for Trips, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Project Daily VMT **2,633.20** VMT
 Project Annual VMT **961,118.00** VMT

Region	CalYr	VehClass	Fuel	SD Population	Pop %	SD VMT	SD Trips	Fuel Consumption (1,000 gal/day)	SD Gallons/Day	Fuel Efficiency	VMT	Gallons or kWh/Day	Gallons or kWh/Year
San Diego County APCD	2020	LDA	GAS	1305532.455	96.8%	46477370.31	8262282.729	1647.94502	1,647,945.02	28.20 mpg	2,547.65	90.33	32,971.13
San Diego County APCD	2020	LDA	DSL	14881.06949	1.1%	538420.3294	92356.3429	15.11675199	15,116.75	35.62 mpg	29.04	0.82	297.59
San Diego County APCD	2020	LDA	ELEC	28958.67663	2.1%	1411897.28	188628.0865	0	0.00	3.40 kWh/mile	56.51	16.62	6,066.59
						48,427,687.91	8,543,267.16	1,663.06	1,663,061.77		2,633.20	107.77	39,335.31
							5.80						

7974.1 Prospect Estates - Energy

LandUseType	LandUseSubType	LandUseUnitAmount	LandUseSizeMetric
Residential	Single Family	15	Dwelling Unit
Residential	Condo/Townhouse	38	Dwelling Unit

EnergyUseLandUseSubType	T24E (kWh/size/year)	NT24E (kWh/size/year)	LightingElect (kWh/size/year)	T24NG (BTU/size/year)	NT24NG (BTU/size/year)
Single Family	331.07	6155.97	1608.84	19206.92	4180
Condo/Townhouse	227.22	3795.01	1001.1	10202.85	4180
Total/year	13,600.41	236,549.98	62,174.40	675,812.10	221,540.00
	kWh/year	kWh/year	kWh/year	BYU/year	BYU/year

Total Energy without GHG-1	
kwh/yr electricity	312,324.74
BTU/yr natural gas	897,352.10