

ENVIRONMENTAL INITIAL STUDY & NEGATIVE DECLARATION

County of Shasta Energy Program
County of Shasta

September 9, 2019

ENVIRONMENTAL INITIAL STUDY &
NEGATIVE DECLARATION
WITH
References and Documentation

Prepared by
SHASTA COUNTY DEPARTMENT OF PUBLIC WORKS
SPECIAL PROJECTS
1855 Placer Street, Suite 232
Redding, California 96001

**SHASTA COUNTY
ENVIRONMENTAL CHECKLIST FORM
INITIAL STUDY & NEGATIVE DECLARATION**

1. Project Title:

County of Shasta Energy Program

2. Lead agency name and address:

Shasta County Department of Public Works, Special Projects Divisions
1855 Placer Street, Suite 1232
Redding, CA 96001-1759

3. Contact Person and Phone Number:

Eric Wedemeyer; (530) 225-5181

4. Project Location:

The project is located in, on, and near various County-owned facilities:

County Jail, 1655 West Street, Redding, CA 96001
County Administration Center, 1450 Court Street, Redding CA 96001
County Mental Health/Public Health, 2430/2650 Breslauer Way, Redding CA 96001
Cascade Office Building, 2460 Breslauer Way, Redding CA 96001
Placer Office Building, 1855 Placer Street, Redding, CA 96001
District Attorney/VSO, 1355 West Street, Redding, CA 96001
Sheriff's Office, 300 Park Marina Drive, Redding CA 96001
Redding Corp Yard (Department of Public Works), 4363 Eastside Road, Redding, CA 96001
Palo Cedro WWTP, Charolais Way West, Palo Cedro CA 96073
County Public Defender, 1855 Yuba Street, Redding CA 96001
Coroner's Office, 4555 Veteran's Lane, Redding CA 96001
Opportunity Center, 1265 Redwood Boulevard, Redding CA 96003
Redding Vets Hall, 1605 Yuba Street, Redding CA 96001
Palo Cedro Pump Station, Deschutes Road, Behind Junction School, Palo Cedro CA 96073
Fall River Mills Airport, Airport Way & Hwy 299, Fall River Mills CA 96028
Fall River Mills Corp Yard, 24665 Glenburn Road, Fall River Mills CA 96028
Cottonwood WWTP, 3425 Live Oak Road, Cottonwood, CA 96022
West Central Landfill, 14095 Clear Creek Road, IGO CA 96047
Juvenile Hall (New), 2684 Radio Lane, Redding, CA 96001

5. Applicant Name and Address:

County of Shasta
1450 Court Street
Redding, CA 96001

6. General Plan Designation:

County Jail – Public and Institutional
County Administration Center – Public and Institutional
County Mental Health/Public Health – Public and Institutional
Cascade Office Building – Public and Institutional
Placer Office Building – Public and Institutional
District Attorney/VSO – Public and Institutional
Sheriff's Office - Commercial
Redding Corp Yard (Department of Public Works) – Public and Institutional
Palo Cedro WWTP – Residential

County Public Defender – Public and Institutional
 Coroner's Office – Public and Institutional
 Opportunity Center - Industrial
 Redding Vets Hall – Downtown Specific Plan
 Palo Cedro Pump Station – Public and Institutional
 Fall River Mills Airport – Public and Institutional
 Fall River Mills Corp Yard – Public and Institutional
 Cottonwood WWTP – Public and Institutional
 West Central Landfill - Unclassified
 Juvenile Hall (New) – Public and Institutional

7. Zoning:

County Jail – Public Facility
 County Administration Center – Public Facility
 County Mental Health/Public Health – Public Facility
 Cascade Office Building – Public Facility
 Placer Office Building – Public Facility
 District Attorney/VSO – Public Facility
 Sheriff's Office – General Commercial-Visitor Retail
 Redding Corp Yard (Department of Public Works) – Public Facility
 Palo Cedro WWTP – Rural Residential – Ten Acre Minimum
 County Public Defender – Public Facility
 Coroner's Office – Public Facility
 Opportunity Center – General Industrial
 Redding Vets Hall – Downtown Mixed Use District - Specific Plan
 Palo Cedro Pump Station – Public Facility
 Fall River Mills Airport – Public Facility
 Fall River Mills Corp Yard – Public Facility
 Cottonwood WWTP – Public Facility
 West Central Landfill – Unclassified
 Juvenile Hall (New) – Public Facility

8. Description of Project:

The project proposes to: install photovoltaic solar panels and controls; install LED lighting; make heating, ventilation, and air conditioning ("HVAC") replacements and repairs; replace a roof; replace energy management system controls; and tint and caulk windows at various locations throughout the County as shown below.

Building Name	Solar Project ^A	LED Lighting	HVAC Replacement	HVAC Refurbishment	Roof Replacement	EMS Controls	Window Tint & Caulk
County Jail		X					
County Administration Center	R P 770.8 kW	X	X		X	X	
County Mental Health/Public Health	G 450.4 kW	X	X	X		X	
Cascade Office Building	G 122.4 kW	X				X	
Placer Office Building	P 134.0 kW	X	X	X		X	
District Attorney/VSO	P 122.4 kW	X				X	
Sheriff's Office	P 69.2 kW	X	X	X		X	X
Redding Corp Yard	P 96.0 kW	X					
Palo Cedro WWTP	G 57.6 kW						

County Public Defender	P 38.4 kW	X					
Coroner's Office	R P 33.6 kW	X	X				
Opportunity Center	P 47.6 kW	X		X			
Redding Vets Hall		X	X				
Palo Cedro Pump Station	G 15.6 kW						
Fall River Mills Airport	G 14.4 kW	X					
Fall River Mills Corp Yard	G 18.0 kW	X					
Cottonwood WWTP		X					
West Central Landfill	G 81.6 kW						
Juvenile Hall (New)	G 338.0 kW	X					

^A "R" denotes rooftop solar installation. "P" denotes parking lot shade solar installation. "G" denotes ground mount solar installation. The mounting system is followed by the estimated solar system generation.

9. Surrounding Land Uses and Setting:

Building Name	Surroundings
County Jail	Public facilities and commercial uses.
County Administration Center	Public facilities and commercial uses.
County Mental Health/Public Health	Public facilities and pasture.
Cascade Office Building	Public facilities and industrial use.
Placer Office Building	Public facilities, housing, and commercial uses.
District Attorney/VSO	Public facilities, high density housing, and commercial uses.
Sheriff's Office	Public facilities and commercial uses.
Redding Corp Yard	Public facilities, vacant lot, and industrial uses.
Palo Cedro WWTP	Pasture and very low density housing.
County Public Defender	Public facilities and commercial uses.
Coroner's Office	Public facilities.
Opportunity Center	Open space (residential) and light industrial.
Redding Vets Hall	Public facilities, parking, rail transportation, and high density housing.
Palo Cedro Pump Station	School and residential use.
Fall River Mills Airport	Commercial and residential.
Fall River Mills Corp Yard	Open space/pasture.
Cottonwood WWTP	Open space and industrial.
West Central Landfill	Open space.
Juvenile Hall (New)	Public facilities and residential.

10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.):

None.

11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, is there a plan for consultation that includes, for example, the determination of significance of impacts to tribal cultural resources, procedures regarding confidentiality, etc.?

The Wintu of Northern California and Pit River Tribes requested and received requests for consultation. Neither Tribe responded with concerns or comments.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a Potentially Significant Impact as indicated by the checklist on the following pages.

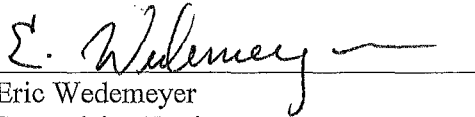
	Aesthetics		Agricultural Resources		Air Quality
	Biological Resources		Cultural Resources		Energy
	Geology / Soils		Greenhouse Gas Emissions		Hazards & Hazardous
	Hydrology / Water Quality		Land Use / Planning		Mineral Resources
	Noise		Population / Housing		Public Services
	Recreation		Transportation		Tribal Cultural Resources
	Utilities / Service Systems		Wildfire		Mandatory Findings of Significance

DETERMINATION: (To be completed by the Lead Agency)

On the basis of the initial evaluation:

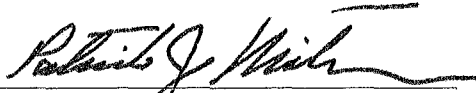
- ☒ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- ☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- ☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- ☐ I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- ☐ I find that although the proposed project could have a significant effect on the environment because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Copies of the Initial Study and related materials and documentation may be obtained at the Planning Division of the Department of Resource Management, 1855 Placer Street, Suite 103, Redding, CA 96001. Contact Eric Wedemeyer at (530) 225-5181.



Eric Wedemeyer
Supervising Engineer

9/6/2019
Date



Patrick J. Minturn
Public Works Director

9/6/19
Date

EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parenthesis following each question. A “No Impact” answer is adequately supported if all the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less-than-significant with mitigation, or less-than-significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more, “Potentially Significant Impact” entries when the determination is made, an EIR is required.
- 4) “Negative Declaration: Less-than-significant With Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less-than-significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level (mitigation measures from Section XVIII, “Earlier Analyses,” may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or Negative Declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
 - a) Earlier Analysis Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures: For effects that are “Less-than-significant with Mitigation Measures Incorporated,” describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. General Plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project’s environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify the following:
 - a) The significance criteria or threshold, if any, used to evaluate each question; and
 - b) The mitigation measure identified, if any, to reduce the impact to less-than-significant.

Not all locations require completion of the checklist as they qualify for exemptions. See the table below.

Building Name	Solar PRC §21080.35 Exemption	LED Class 1 Exemption	HVAC Class 1 Exemption	Roof Class 1 Exemption	EMS Class 1 Exemption	Window Class 1 Exemption
County Jail		X				
County Administration Center	X	X	X	X	X	
County Mental Health/Public Health	FA	X	X		X	
Cascade Office Building	FA	X			X	
Placer Office Building	X	X	X		X	
District Attorney/VSO	X	X			X	
Sheriff's Office	X	X	X		X	X
Redding Corp Yard	X	X				
Palo Cedro WWTP	FA					
County Public Defender	X	X				
Coroner's Office	X	X	X			
Opportunity Center	X	X				
Redding Vets Hall		X	X			
Palo Cedro Pump Station	FA					
Fall River Mills Airport	FA	X				
Fall River Mills Corp Yard	FA	X				
Cottonwood WWTP		X				
West Central Landfill	NA					
Juvenile Hall (New)	FA	X				

Many solar installation falls under California Public Resources Code §21080.35 which provides for the exemption of solar installations on the roof of an existing building or at an existing parking lot. No additional concerns are apparent.

The Class 1 categorical exemption includes minor alteration of an existing public or private structure involving negligible or no expansion of use (15301.(a),(d)). Generally, changing lightbulbs and ballasts, replacing or renovating heating, air conditioning and ventilation, and caulking or retinting glazing can be considered within the realm of this exemption. No additional concerns are apparent.

FA denotes the need for further analysis, which follows. Seven proposed, ground-mount solar installations do not qualify for exemptions.

NA is reserved for the West Central Landfill. This facility operates under its own environmental document. It is an operating landfill. The site considered for solar installation is adjacent to an existing metal building and in a location that has been repeatedly disturbed of the course of the landfill's operation. No additional concerns are apparent.

I. <u>AESTHETICS</u>: Except as provided in Public Resources Code Section 21099, would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?				X
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from a publically accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?				X
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) There is no view of the project site which includes a scenic vista.
- b) The project site is not visible from a designated scenic highway.
- c) The project surroundings are public facilities, parking, commercial, and residential. Construction of ground mount solar is consistent with the existing visual character and quality of the site and its surroundings. In most cases the installation will be screened by fencing or foliage.
- d) Glare would be eliminated by the use of non-reflective materials for construction of the project.

Mitigation/Monitoring: None proposed.

II. <u>AGRICULTURE AND FORESTRY RESOURCES</u>: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?			X	
b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract?				X

II. AGRICULTURE AND FORESTRY RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				X
d) Result in the loss of forest land or conversion of forest land to non-forest use?				X
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) None of these properties nor the surrounding properties in a Williamson Act Contract.

One location, Shasta County Mental Health/Public Health, appears on the California Department of Conservation's Shasta County Important Farmland 2016 map as Prime Farmland. The California Agricultural Land Evaluation and Site Assessment Model ("LESA") was used to determine the significance of the proposed project and follows this document as Exhibit A. The LESA exercise determined a Site Assessment (SA) score of 15 and a total score of 65 (see attachment). LESA guidelines indicate that projects with these scores are less than significant.

- b) The project would not conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g)). The project site is not forest land, timberland or zone Timberland Production.
- c) The project would not conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g)). The project site is not forest land, timberland or zone Timberland Production.
- d) The project would not result in the loss of forest land or conversion of forest land to non-forest use. The project site is not forest land.

Mitigation/Monitoring: None proposed.

III. AIR QUALITY: Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?				X
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?				X
c) Expose sensitive receptors to substantial pollutant concentrations?				X
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?				X

Discussion: Based on related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not conflict with or obstruct implementation of the 2018 Attainment Plan for Northern Sacramento Valley Air Basin as adopted by Shasta County, or any other applicable air quality plan.
- b) The project would not violate any air quality standards.
- c) The project would not result in a cumulatively considerable net increase of any criteria pollutant, including ozone, ozone precursors or PM10 (particulate matter), the pollutants for which the Northern Sacramento Valley Air Basin is in non-attainment under the applicable State ambient air quality standard.
- d) Substantial pollutant concentrations are not anticipated as a result of the project.
- e) The project would not cause air emissions which would create objectionable odors affecting a substantial number of people.

Periodic maintenance of solar facilities will result in an insignificant increase in traffic. The project is consistent with the General Plan designations and the air quality attainment plan.

Mitigation/Monitoring: None proposed.

IV. BIOLOGICAL RESOURCES: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Have a substantial effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special-status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				X
c) Have a substantial adverse effect on state or Federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological				X

IV. <u>BIOLOGICAL RESOURCES</u>: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
interruption, or other means?				
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?				X
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				X
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community, Conservation Plan, or other approved local, regional, or State habitat conservation plan?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) There is little or no habitat uninfluenced by human activities left on the project sites. No species identified as a candidate, sensitive, or special-status species in local or regional plans, policies or regulations, or by the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service have been identified on the project site.
- b) There is no riparian habitat or other sensitive natural community on the project sites or in the project area.
- c) There are no wetlands on the project sites or in the immediate vicinity.
- d) The project would not interfere with any native resident or migratory fish or wildlife species, nor impede the use of native wildlife nursery sites.
- e) The project would not conflict with any ordinances or policies which protect biological resources.
- f) No habitat conservation plans or other similar plans have been adopted for the project site or project area.

There would not be any conflict with local policies or ordinances protecting biological resources, nor with any habitat conservation plans.

Mitigation/Monitoring: None proposed.

V. <u>CULTURAL RESOURCES</u> ■ Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?				X
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?				X
c) Disturb any human remains, including those interred outside of formal cemeteries?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not cause a substantial adverse change in the significance of an historical resource.
- b) The project would not cause a substantial adverse change in the significance of an archaeological resource.
- c) The project site is not on or adjacent to any known cemetery or burial area. Therefore, there is no evidence to suggest that the project would disturb any human remains.

Although there is no evidence to suggest that the project would result in any significant effect to historical, archeological, paleontological, or unique geologic resource, or human remains, there is always the possibility that such resources or remains could be encountered. Therefore, if, in the course of development, any archaeological, historical, or paleontological resources are uncovered, discovered or otherwise detected or observed, mineral exploration activities in the affected area shall cease and a qualified archaeologist shall be contacted to review the site and advise the County of the site's significance. If the findings are deemed significant by the Environmental Review Officer, appropriate mitigation shall be required.

Mitigation/Monitoring: None proposed.

<u>VI. ENERGY</u> ■ Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?				X
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation.
- b) The project would not conflict with or obstruct a state or local plan for renewable energy or energy efficiency.

Mitigation/Monitoring: None proposed.

<u>VII. GEOLOGY AND SOILS</u> ■ Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: <ul style="list-style-type: none"> i) Rupture of a known earthquake, fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publications 42. ii) Strong seismic ground shaking? iii) Seismic-related ground failure, including liquefaction? 				X

VII. GEOLOGY AND SOILS ■ Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
iv) Landslides?				
b) Result in substantial soil erosion or the loss of topsoil?				X
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?				X
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?				X
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of waste water?				X
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

- i) Rupture of a known earthquake fault;

According to the Alquist-Priolo Earthquake Fault Zoning Maps for Shasta County, there is no known earthquake fault on the project site.

- ii) Strong seismic ground shaking;

According to the Shasta County General Plan Section 5.1, Shasta County has a low level of historic seismic activity. The entire County is in Seismic Design Category D. According to the Seismic Hazards Assessment for the City of Redding, California, prepared by Woodward Clyde, dated July 6, 1995, the most significant earthquake at the project site may be a background (random) North American crustal event up to 6.5 on the Richter scale at distances of 10 to 20 km.

All structures shall be constructed according to the seismic requirements of the currently adopted Building Code.

- iii) Seismic-related ground failure, including liquefaction;

- iv) Landslides.

- b) The project would not result in substantial soil erosion or the loss of topsoil.
- c) The topography of the site is predominantly level, with small undulations. The threat of landslides, lateral spreading, subsidence, liquefaction, or collapse is insignificant as the geology of the areas demonstrates great stability.
- d) The project would not be located on expansive soil creating substantial direct or indirect risks to life or property.
- e) The project would not directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.
- f) The project would not directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.

Mitigation/Monitoring: None proposed.

VIII. GREENHOUSE GAS EMISSIONS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?				X
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?				X

Discussion: Based on these comments, the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a, b) In 2005, the Governor of California signed Executive Order S-3-05, establishing that it is the State of California's goal to reduce statewide greenhouse gas (GHG) emission levels. Subsequently, in 2006, the California State Legislature adopted Assembly Bill AB 32, the California Global Warming Solutions Act. In part, AB 32 requires the California Air Resources Board to develop and adopt regulations to achieve a reduction in the State's GHG emissions to year 1990 levels by year 2020.

California Senate Bill 97 established that an individual project's effect on GHG emission levels and global warming must be assessed under CEQA. SB 97 further directed that the State Office of Planning and Research (QPR) develop guidelines for the assessment of a project's GHG emissions. Those guidelines for GHG emissions were subsequently included as amendments to the CEQA Guidelines. The guidelines did not establish thresholds of significance and there are currently no state, regional, county, or city guidelines or thresholds with which to direct project-level CEQA review. As a result, Shasta County reserves the right to use a qualitative and/or quantitative threshold of significance until a specific quantitative threshold is adopted by the state or regional air district.

The City of Redding currently utilizes a quantitative non-zero project-specific threshold based on a methodology recommended by the California Air Pollution Officers Association (CAPCOA) and accepted by the California Air Resources Board. According to CAPCOA's Threshold 2.3, CARB Reporting Threshold, 10,000 metric tons of carbon-dioxide equivalents per year (mtC02eq/yr) is recommended as a quantitative non-zero threshold. This threshold would be the operational equivalent of 550 dwelling units, 400,000 square feet of office use, 120,000 square feet of retail, or 70,000 square feet of supermarket use. This approach is estimated to capture over half the future residential and commercial development projects in the State of California and is designed to support the goals of AB 32 and not hinder it. The use of this quantitative non-zero project-specific threshold by Shasta County, as lead agency, would be consistent with certain practices of other lead agencies in the County and throughout the State of California.

The United States Environmental Protection Agency (EPA) identifies four primary constituents that are most representative of the GHG emissions. They are:

- Carbon Dioxide (C02): Emitted primarily through the burning of fossil fuels. Other sources include the burning of solid waste and wood and/or wood products and cement manufacturing.
- Methane (CH4): Emissions occur during the production and transport of fuels, such as coal and natural gas. Additional emissions are generated by livestock and agricultural land uses, as well as the decomposition of solid waste.
- Nitrous Oxide (N20): The principal emitters include agricultural and industrial land uses and fossil fuel and waste combustion.
- Fluorinated Gases: These can be emitted during some industrial activities. Also, many of these gases are substitutes for ozone-depleting substances, such as CFC's, which have been used historically as refrigerants. Collectively, these gases are often referred to as "high global-warming potential" gases.

The primary generators of GHG emissions in the United States are electricity generation and transportation. The EPA estimates that nearly 85 percent of the nation's GHG emissions are comprised of carbon dioxide (C02). The majority of C02 is generated by petroleum consumption associated with transportation and coal consumption associated with electricity generation. The remaining emissions are predominately the result of natural-gas consumption associated with a variety of uses.

A calculation of GHG emissions reduction due to the addition of 2.4MW of solar electricity generation. The Redding Electric Utility (REU) generates the bulk of its electricity with natural gas, so it is expected that there will contribute to a substantial reduction in REU's emissions over the lifetime of the solar panels.

Mitigation/Monitoring: None proposed.

IX. HAZARDS AND HAZARDOUS MATERIALS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact

IX. HAZARDS AND HAZARDOUS MATERIALS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?				X
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?				X
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				X
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				X
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?				X
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				X
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?				X

Discussion: Based on these comments, the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials.
- b) The project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment.
- c) The project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school.
- d) The project is not located on a site which is included on a list of hazardous materials sites and would not create a significant hazard to the public or the environment.
- e) A review of the project and the Shasta County and City of Anderson Multi-Jurisdictional Hazard Mitigation Plan indicates that the proposed project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.
- f) The project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires.
- g) The project would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires.

Mitigation/Monitoring: None proposed.

X. <u>HYDROLOGY AND WATER QUALITY</u>: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?				X
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin.				X
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would: (i) result in substantial erosion or siltation on- or off-site; (ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; (iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or (iv) impede or redirect flows?				X
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?				X
e) Conflict with or obstruct implementation of a water quality control plan or sustainable management plan?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality.
- b) The project would not substantially deplete decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin.
- c) The project would not substantially alter the existing drainage pattern of the site or area, or add impervious surfaces, in a manner which would (i) result in substantial erosion or siltation on- or off-site; (ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; (iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; and or (iv) impede or redirect flows.
- d) The project would not risk release of pollutants in flood hazard, tsunami, or seiche zones due to project inundation, The project would not conflict with or obstruct implementation of a water quality control plan or sustainable management plan.
- e) The project would not conflict with or obstruct implementation of a water quality control plan or sustainable management plan.

Mitigation/Monitoring: None proposed.

XI. <u>LAND USE AND PLANNING</u> - Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Physically divide an established community?				X
b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not physically divide an established community.
- b) The project would not conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect.

Mitigation/Monitoring: None proposed.

<u>XII. MINERAL RESOURCES</u> ■ Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?				X
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local General Plan, specific plan or other land use plan?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) There are no known mineral resources of regional value located on or near the project site.
- b) The project site is not identified in the General Plan Minerals Element as containing a locally-important mineral resource. There is no other land use plan which addresses minerals.

Mitigation/Monitoring: None proposed.

<u>XIII. NOISE</u> ■ Would the project result in:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?				X
b) Generation of excessive groundborne vibration or groundborne noise levels				X
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project will result in a temporary and periodic increase in ambient noise levels near the project sites. However, none of these increases are expected to be significant and local noise ordinances will be adhered to.
- b) The project would not result in generation of excessive groundborne vibration or groundborne noise levels.
- c) With the exception of the Fall River Mills Airport site, the project is not located within the vicinity of a private airstrip or an airport land use plan, or within two miles of a public airport or public use airport. The project would not result in the exposure of persons residing or working in the vicinity of the Fall River Mills Airport to excessive noise levels.

Mitigation/Monitoring: None proposed.

<u>XIV. POPULATION AND HOUSING</u> ■ Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				X
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not induce unplanned population growth in an area, either directly or indirectly.
- b) The project does not include destruction of any existing housing.

Mitigation/Monitoring: None proposed.

<u>XV. PUBLIC SERVICES:</u> Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Fire Protection?				X
Police Protection?				X
Schools?				X
Parks?				X
Other public facilities?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

The project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for:

Fire Protection:

The solar arrays are not intended for human occupation and will be of minor concern in a fire.

Police Protection:

The solar arrays are not intended for human occupation and will be fenced. They will not create a need for additional policing.

Schools:

The solar arrays are not intended for human occupation and will not increase population.

Parks:

The solar arrays are not intended for human occupation and will not increase park use.

Mitigation/Monitoring: None proposed.

XVI. RECREATION:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				X
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated.
- b) The project would not include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment.

Mitigation/Monitoring: None proposed.

XVII. TRANSPORTATION: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?				X
b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?				X
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				X
d) Result in inadequate emergency access?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not conflict with a program, ordinance or policy establishing measures of effectiveness for the performance of addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities.
- b) The project would not exceed, either individually or cumulatively, a level-of-service standard established by the County congestion management agency for designated roads or highway.
- c) The project would not substantially increase hazards due to a geometric design feature or incompatible uses.
- d) The project would not result in inadequate emergency access.

Mitigation/Monitoring: None proposed.

XVIII. TRIBAL CULTURAL RESOURCES: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
<p>a) Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code Section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:</p> <p>i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or</p> <p>ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.</p>			X	

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

a) On July 22, 2019, the Wintu Tribe of Northern California was mailed notification of this work pursuant to Public Resources Code §21080.3.1. The letter was received on July 24, 2019. The Tribe did not respond within the thirty day allotted. A copy of the letter follows in Exhibit B.

On July 22, 2019, the Pit River Tribe was mailed notification of this work pursuant to Public Resources Code §21080.3.1. The letter was received on July 23, 2019. The Tribe did not respond within the thirty day allotted. A copy of the letter follows in Exhibit B.

Mitigation/Monitoring: None proposed.

XIX. UTILITIES AND SERVICE SYSTEMS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas or telecommunications facilities, the construction or relocations of which could cause significant environmental effects?				X
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?				X
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				X
d) Generate solid waste in excess of State or local standards,				

XIX. UTILITIES AND SERVICE SYSTEMS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?				X
e) Comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?				X

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- The project would not require or result in the relocation or construction of new or expanded water or, wastewater treatment facilities or expansion of existing storm water drainage, electric power, natural gas or telecommunications facilities, the construction or relocations of which could cause significant environmental effects.
- The project would have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years.
- The project would not generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals.
- The project would comply with Federal, State, and local management and reduction statutes and regulations related to solid waste.
- The project would comply with Federal, State, and local management and reduction statutes and regulations related to solid waste.

Mitigation/Monitoring: None proposed.

XX. WILDFIRE: If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?				X
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				X
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				X
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				X

Discussion:

- The project would not substantially impair an adopted emergency response plan or emergency evacuation plan.
- The project would not due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire.
- The project would not require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment.
- The project would not expose people or structures to significant risks, including downslope or downstream flooding or landslides,

as a result of runoff, post-fire slope instability, or drainage changes

Mitigation/Monitoring: None proposed.

XIX. <u>MANDATORY FINDINGS OF SIGNIFICANCE:</u>	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below the self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?				X
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection the effects of past projects, the effects of other current projects, and the effects of probable future projects)?				X
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?				X

Discussion:

- a) Based on the discussion and findings in Section IV. Biological Resources, there is no evidence to support a finding that the project would have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below the self-sustaining levels, threaten to eliminate a plant or animal community, or substantially reduce the number or restrict the range of a rare or endangered plant or animal.

Based on the discussion and findings in Section V. Cultural Resources, there is no evidence to support a finding that the project would have the potential to eliminate important examples of the major periods of California history or prehistory.

- b) Based on the discussion and findings in all Sections above, there is no evidence to suggest that the project would have impacts that are cumulatively considerable.
- c) Based on the discussion and findings in all Sections above, there is no evidence to support a finding that the project would have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly.

Mitigation/Monitoring: None proposed.

INITIAL STUDY COMMENTS

610499 County of Shasta Energy Program

GENERAL COMMENTS:

Special Studies: The following project-specific studies have been completed for the proposal and will be considered as part of the record of decision for the Negative Declaration. These studies are available for review through the Shasta County Public Works, Special Projects Division.

1. LESA analysis prepared by Eric Wedemeyer on August 23, 2019

"

Agency Referrals: Prior to an environmental recommendation, referrals for this project were sent to agencies thought to have responsible agency or reviewing agency authority. The responses to those referrals (attached), where appropriate, have been incorporated into this document and will be considered as part of the record of decision for the Negative Declaration. Copies of all referral comments may be reviewed through the Shasta County Public Works, Special Projects Division. To date, referral comments have been received from the following State agencies or any other agencies which have identified CEQA concerns:

None

Conclusion/Summary: Based on a field review by the Public Works and other agency staff, early consultation review comments from other agencies, information provided by the applicant, and existing information available to the Public Works, the project, is not anticipated to result in any significant environmental impacts.

SOURCES OF DOCUMENTATION FOR INITIAL STUDY CHECKLIST

All headings of this source document correspond to the headings of the initial study checklist. In addition to the resources listed below, initial study analysis may also be based on field observations by the staff person responsible for completing the initial study. Most resource materials are on file in the office of the Shasta County Department of Resource Management, Planning Division, 1855 Placer Street, Suite 103, Redding, CA 96001, Phone: (530) 225-5532.

GENERAL PLAN AND ZONING

1. Shasta County General Plan and land use designation maps.
2. Applicable community plans, airport plans and specific plans.
3. Shasta County Zoning Ordinance (Shasta County Code Title 17) and zone district maps.
4. City of Redding General Plan and use designation maps.
5. City of Redding Zoning Ordinance and zone district maps.

ENVIRONMENTAL IMPACTS

I. AESTHETICS

1. Shasta County General Plan, Section 6.8 Scenic Highways, and Section 7.6 Design Review.
2. Zoning Standards per Shasta County Code, Title 17.

II. AGRICULTURAL AND FORESTRY RESOURCES

1. Shasta County General Plan, Section 6.1 Agricultural Lands.
2. Shasta County Important Farmland 2016 Map, California Department of Conservation.
3. Shasta County General Plan, Section 6.2 Timber Lands.
4. Soil Survey of Shasta County Area, California, published by U.S. Department of Agriculture, Soil Conservation Service and Forest Service, August 1974.

III. AIR QUALITY

1. Shasta County General Plan Section, 6.5 Air Quality.
2. Northern Sacramento Valley Air Basin, 2018 Air Quality Attainment Plan.
3. Records of, or consultation with, the Shasta County Department of Resource Management, Air Quality Management District.

IV. BIOLOGICAL RESOURCES

1. Shasta County General Plan, Section 6.2 Timberlands, and Section 6.7 Fish and Wildlife Habitat.
2. Designated Endangered, Threatened, or Rare Plants and Candidates with Official Listing Dates, published by the California Department of Fish and Wildlife.
3. Natural Diversity Data Base Records of the California Department of Fish and Wildlife.
4. Federal Listing of Rare and Endangered Species.
5. Shasta County General Plan, Section 6.7 Fish and Wildlife Habitat.
6. State and Federal List of Endangered and Threatened Animals of California, published by the California Department of Fish and Wildlife.
7. Natural Diversity Data Base Records of the California Department of Fish and Wildlife.

V. CULTURAL RESOURCES

1. Shasta County General Plan, Section 6.10 Heritage Resources.
2. Records of, or consultation with, the following:
 - a. The Northeast Information Center of the California Historical Resources Information System, Department of Anthropology, California State University, Chico.
 - b. State Office of Historic Preservation.
 - c. Local Native American representatives.
 - d. Shasta Historical Society.

VII. GEOLOGY AND SOILS

1. Shasta County General Plan, Section 5.1 Seismic and Geologic Hazards, Section 6.1 Agricultural Lands, and Section 6.3 Minerals.
2. County of Shasta, Erosion and Sediment Control Standards, Design Manual
3. Soil Survey of Shasta County Area, California, published by U.S. Department of Agriculture, Soil Conservation Service and Forest Service, August 1974.
4. Alquist - Priolo, Earthquake Fault Zoning Maps.

VIII. GREENHOUSE GAS EMISSIONS

1. Shasta Regional Climate Action Plan
2. California Air Pollution Control Officers Association (White Paper) CEQA & Climate Change, Evaluating and Addressing Greenhouse Gas Emissions from Projects Subject to the California Environmental Quality Act

IX. HAZARDS AND HAZARDOUS MATERIALS

1. Shasta County General Plan, Section 5.4 Fire Safety and Sheriff Protection, and Section 5.6 Hazardous Materials.
2. County of Shasta Multi-Hazard Functional Plan
3. Records of, or consultation with, the following:

- a. Shasta County Department of Resource Management, Environmental Health Division.
- b. Shasta County Fire Prevention Officer.
- c. Shasta County Sheriff's Department, Office of Emergency Services.
- d. Shasta County Department of Public Works.
- e. California Environmental Protection Agency, California Regional Water Quality Control Board, Central Valley Region.

X. HYDROLOGY AND WATER QUALITY

1. Shasta County General Plan, Section 5.2 Flood Protection, Section 5.3 Dam Failure Inundation, and Section 6.6 Water Resources and Water Quality.
2. Flood Boundary and Floodway Maps and Flood Insurance Rate Maps for Shasta County prepared by the Federal Emergency Management Agency, as revised to date.
3. Records of, or consultation with, the Shasta County Department of Public Works acting as the Flood Control Agency and Community Water Systems manager.

XI. LAND USE AND PLANNING

1. Shasta County General Plan land use designation maps and zone district maps.
2. Shasta County Assessor's Office land use data.

XII. MINERAL RESOURCES

1. Shasta County General Plan Section 6.3 Minerals.

XIII. NOISE

1. Shasta County General Plan, Section 5.5 Noise and Technical Appendix B.

XIV. POPULATION AND HOUSING

1. Shasta County General Plan, Section 7.1 Community Organization and Development Patterns.
2. Census data from U.S. Department of Commerce, Bureau of the Census.
3. Census data from the California Department of Finance.
4. Shasta County General Plan, Section 7.3 Housing Element.
5. Shasta County Department of Housing and Community Action Programs.

XV. PUBLIC SERVICES

1. Shasta County General Plan, Section 7.5 Public Facilities.
2. Records of, or consultation with, the following:
 - a. Shasta County Fire Prevention Officer.
 - b. Shasta County Sheriff's Department.
 - c. Shasta County Office of Education.
 - d. Shasta County Department of Public Works.

XVI. RECREATION

1. Shasta County General Plan, Section 6.9 Open Space and Recreation.

XVII. TRANSPORTATION/TRAFFIC

1. Shasta County General Plan, Section 7.4 Circulation.
2. Records of, or consultation with, the following:
 - a. Shasta County Department of Public Works.
 - b. Shasta County Regional Transportation Planning Agency.
 - c. Shasta County Congestion Management Plan/Transit Development Plan.
3. Institute of Transportation Engineers, Trip Generation Rates.

XVIII. TRIBAL CULTURAL RESOURCES

1. Tribal Consultation in accordance with Public Resources Code section 21080.3.1

XIX. UTILITIES AND SERVICE SYSTEMS

1. Records of, or consultation with, the following:
 - a. Pacific Gas and Electric Company.
 - b. Pacific Power and Light Company.
 - c. Pacific Bell Telephone Company.
 - d. Citizens Utilities Company.
 - e. T.C.I.
 - f. Marks Cablevision.
 - g. Shasta County Department of Resource Management, Environmental Health Division.
 - h. Shasta County Department of Public Works.

EXHIBIT A - SHASTA COUNTY MENTAL HEALTH / PUBLIC HEALTH

EXHIBIT A

~~Appendix A~~ - California Agricultural LESA Worksheets

1/15

NOTES

PHOTOVOLTAIC CELLS WILL COVER ABOUT 1.2 AC. ONE SOIL TYPE, RIA, WAS SHOWN ON THE NRCS 2016 MAP.

Calculation of the Land Evaluation (LE) Score

Part 1. Land Capability Classification (LCC) Score:

- (1) Determine the total acreage of the project.
- (2) Determine the soil types within the project area and enter them in **Column A** of the **Land Evaluation Worksheet** provided on page 2-A.
- (3) Calculate the total acres of each soil type and enter the amounts in **Column B**.
- (4) Divide the acres of each soil type (**Column B**) by the total acreage to determine the proportion of each soil type present. Enter the proportion of each soil type in **Column C**.
- (5) Determine the LCC for each soil type from the applicable Soil Survey and enter it in **Column D**.
- (6) From the LCC Scoring Table below, determine the point rating corresponding to the LCC for each soil type and enter it in **Column E**.

LCC Scoring Table

LCC Class	I	Ile	Ils,w	IIle	IIIs,w	IVe	IVs,w	V	VI	VII	VIII
Points	100	90	80	70	60	50	40	30	20	10	0

- (7) Multiply the proportion of each soil type (**Column C**) by the point score (**Column E**) and enter the resulting scores in **Column F**.
- (8) Sum the LCC scores in **Column F**.
- (9) Enter the LCC score in box <1> of the **Final LESA Score Sheet** on page 10-A.

Part 2. Storie Index Score:

- (1) Determine the Storie Index rating for each soil type and enter it in **Column G**.
- (2) Multiply the proportion of each soil type (**Column C**) by the Storie Index rating (**Column G**) and enter the scores in **Column H**.
- (3) Sum the Storie Index scores in **Column H** to gain the Storie Index Score.
- (4) Enter the Storie Index Score in box <2> of the **Final LESA Score Sheet** on page 10-A.

A STORIE INDEX OF 100 IS ASSUMED AT THIS TIME AND THE FORMS WILL BE COMPLETED

Land Evaluation Worksheet

Land Capability Classification
(LCC)
and Storie Index Scores

A	B	C	D	E	F	G	H
Soil Map Unit	Project Acres	Proportion of Project Area	LCC	LCC Rating	LCC Score	Storie Index	Storie Index Score
RIA	1.2	1.0	1	100	100	100*	100
Totals	1.2	(Must Sum to 1.0)		LCC Total Score	100	Storie Index Total Score	100

*ASSUMED

Site Assessment Worksheet 1.

Project Size Score

	I	J	K
	LCC Class I - II	LCC Class III	LCC Class IV - VIII
	1.2	0	0
Total Acres	1.2	0	0
Project Size Scores	0	0	0

Highest Project
Size Score

0

LESA Worksheet (cont.)**NOTES****Calculation of the Site Assessment (SA) Score****Part 1. Project Size Score:**

- (1) Using **Site Assessment Worksheet 1** provided on page 2-A, enter the acreage of each soil type from **Column B** in the **Column - I, J or K** - that corresponds to the LCC for that soil. (Note: While the Project Size Score is a component of the Site Assessment calculations, the score sheet is an extension of data collected in the Land Evaluation Worksheet, and is therefore displayed beside it).
- (2) Sum **Column I** to determine the total amount of class I and II soils on the project site.
- (3) Sum **Column J** to determine the total amount of class III soils on the project site.
- (4) Sum **Column K** to determine the total amount of class IV and lower soils on the project site.
- (5) Compare the total score for each LCC group in the Project Size Scoring Table below and determine which group receives the highest score.

Project Size Scoring Table

Class I or II		Class III		Class IV or Lower	
Acreage	Points	Acreage	Points	Acreage	Points
>80	100	>160	100	>320	100
60-79	90	120-159	90	240-319	80
40-59	80	80-119	80	160-239	60
20-39	50	60-79	70	100-159	40
10-19	30	40-59	60	40-99	20
<u>10<</u>	<u>0</u>	20-39	30	40<	0
		10-19	10		
		10<	0		

- (6) Enter the **Project Size Score** (the highest score from the three LCC categories) in box <3> of the **Final LESA Score Sheet** on page 10-A.

LESA Worksheet (cont.)NOTES

THE SITE MAY BE SERVED
IRRIGATION WATER BY
GRAVITY THROUGH A
LATERAL TO THE
ACID CANAL. AERIAL
IMAGERY INDICATES
THAT 100% OF THE
SITE IS SERVED AND
ACID HAS HIGH DROUGHT
RELIABILITY.

Part 2. Water Resource Availability Score:

- (1) Determine the type(s) of irrigation present on the project site, including a determination of whether there is dryland agricultural activity as well.
- (2) Divide the site into portions according to the type or types of irrigation or dryland cropping that is available in each portion. Enter this information in **Column B** of **Site Assessment Worksheet 2. - Water Resources Availability**.
- (3) Determine the proportion of the total site represented for each portion identified, and enter this information in **Column C**.
- (4) Using the Water Resources Availability Scoring Table, identify the option that is most applicable for each portion, based upon the feasibility of irrigation in drought and non-drought years, and whether physical or economic restrictions are likely to exist. Enter the applicable Water Resource Availability Score into **Column D**.
- (5) Multiply the Water Resource Availability Score for each portion by the proportion of the project area it represents to determine the weighted score for each portion in **Column E**.
- (6) Sum the scores for all portions to determine the project's total Water Resources Availability Score
- (7) Enter the Water Resource Availability Score in box <4> of the **Final LESA Score Sheet** on page 10-A.

Site Assessment Worksheet 2. - Water Resources Availability

A	B	C	D	E
Project Portion	Water Source	Proportion of Project Area	Water Availability Score	Weighted Availability Score (C x D)
1	IRRIGATION DISTRICT	100 %	100	100
2				
3				
4				
5				
6				
		(Must Sum to 1.0)	Total Water Resource Score	100

Water Resource Availability Scoring Table

Option	Non-Drought Years			Drought Years			WATER RESOURCE SCORE
	RESTRICTIONS			RESTRICTIONS			
	Irrigated Production Feasible?	Physical Restrictions ?	Economic Restrictions ?	Irrigated Production Feasible?	Physical Restrictions ?	Economic Restrictions ?	
1	YES	NO	NO	YES	NO	NO	100
2	YES	NO	NO	YES	NO	YES	95
3	YES	NO	YES	YES	NO	YES	90
4	YES	NO	NO	YES	YES	NO	85
5	YES	NO	NO	YES	YES	YES	80
6	YES	YES	NO	YES	YES	NO	75
7	YES	YES	YES	YES	YES	YES	65
8	YES	NO	NO	NO	-- --	-- --	50
9	YES	NO	YES	NO	-- --	-- --	45
10	YES	YES	NO	NO	-- --	-- --	35
11	YES	YES	YES	NO	-- --	-- --	30
12	Irrigated production not feasible, but rainfall adequate for dryland production in both drought and non-drought years						25
13	Irrigated production not feasible, but rainfall adequate for dryland production in non-drought years (but not in drought years)						20
14	Neither irrigated nor dryland production feasible						0

LESA Worksheet (cont.)NOTES

THE PROJECT SITE IS
SMALL (1.2 AC). A 1/4
MILE BOX AROUND IT
ENCOMPASSES 186.5 AC.
~~NO ADJACENT LAND~~
~~USES ARE AG.~~ SW
5.2 AC ARE SHOWN AS
AG ON THE STATE'S
PRIME FARMLAND MAP.
ASSUME 11 ACRES
ARE USED GRAZING.
 $11/186.5 = 5.9\% \text{ AG.}$

Part 3. Surrounding Agricultural Land Use Score:

- (1) Calculate the project's Zone of Influence (ZOI) as follows:
 - (a) a rectangle is drawn around the project such that the rectangle is the smallest that can completely encompass the project area.
 - (b) a second rectangle is then drawn which extends one quarter mile on all sides beyond the first rectangle.
 - (c) The ZOI includes all parcels that are contained within or are intersected by the second rectangle, less the area of the project itself.
- (2) Sum the area of all parcels to determine the total acreage of the ZOI.
- (3) Determine which parcels are in agricultural use and sum the areas of these parcels
- (4) Divide the area in agriculture found in step (3) by the total area of the ZOI found in step (2) to determine the percent of the ZOI that is in agricultural use.
- (5) Determine the Surrounding Agricultural Land Score utilizing the Surrounding Agricultural Land Scoring Table below.

Surrounding Agricultural Land Scoring Table

Percent of ZOI in Agriculture	Surrounding Agricultural Land Score
90-100	100
80-89	90
75-79	80
70-74	70
65-69	60
60-64	50
55-59	40
50-54	30
45-49	20
40-44	10
<40	0

- (5) Enter the Surrounding Agricultural Land Score in box <5> of the **Final LESA Score Sheet** on page 10-A.

Site Assessment Worksheet 3.

Surrounding Agricultural Land and Surrounding Protected Resource Land

A	B	C	D	E	F	G
Zone of Influence					Surrounding Agricultural Land Score (From Table)	Surrounding Protected Resource Land Score (From Table)
Total Acres	Acres in Agriculture	Acres of Protected Resource Land	Percent in Agriculture (A/B)	Percent Protected Resource Land (A/C)		
186.5	11	1.2	5.9	0	0	0

LESA Worksheet (cont.)**NOTES****Part 4. Protected Resource Lands Score:**

The Protected Resource Lands scoring relies upon the same Zone of Influence information gathered in Part 3, and figures are entered in Site Assessment Worksheet 3, which combines the surrounding agricultural and protected lands calculations.

- (1) Use the total area of the ZOI calculated in Part 3. for the Surrounding Agricultural Land Use score.
- (2) Sum the area of those parcels within the ZOI that are protected resource lands, as defined in the California Agricultural LESA Guidelines.
- (3) Divide the area that is determined to be protected in Step (2) by the total acreage of the ZOI to determine the percentage of the surrounding area that is under resource protection.
- (4) Determine the Surrounding Protected Resource Land Score utilizing the Surrounding Protected Resource Land Scoring Table below.

Surrounding Protected Resource Land Scoring Table

Percent of ZOI Protected	Protected Resource Land Score
90-100	100
80-89	90
75-79	80
70-74	70
65-69	60
60-64	50
55-59	40
50-54	30
45-49	20
40-44	10
<40	0

- (5) Enter the Protected Resource Land score in box <6> of the **Final LESA Score Sheet** on page 10-A.

LESA Worksheet (cont.)NOTES

LESA GUIDELINES, p.31, (12/)
INDICATE THAT IF THE
SA SCORE IS LESS THAN
20, A PROJECT COULD
BE LESS THAN SIGNIF-
ICANT. SHASTA COUNTY
LEASES 9.39 ACRES TO
THE SHASTA UNION HIGH
SCHOOL DISTRICT. THE
LEASE IS THROUGH
NOVEMBER 30, 2020.
THE COUNTY LEASES
IN 1 YEAR INCREMENTS.
EITHER PARTY MAY
CHOOSE NOT TO RENEW.

BECAUSE THE ACREAGE IS "LANDLOCKED", OTHER
POTENTIAL LESSEES MAY NOT FIND THE PROP-
ERTY ATTRACTIVE. IN ADDITION, THE STORIE INDEX IS ARTIFICIALLY HIGH.
CONT....

For further information on the scoring thresholds under the California Agricultural LESA Model, consult Section 4 of the Instruction Manual.

* ASSUMED.

Final LESA Score Sheet**Calculation of the Final LESA Score:**

- (1) Multiply each factor score by the factor weight to determine the weighted score and enter in Weighted Factor Scores column.
- (2) Sum the weighted factor scores for the LE factors to determine the total LE score for the project.
- (3) Sum the weighted factor scores for the SA factors to determine the total SA score for the project.
- (4) Sum the total LE and SA scores to determine the Final LESA Score for the project.

	Factor Scores	Factor Weight	Weighted Factor Scores
LE Factors			
Land Capability Classification	<1> 100	0.25	25
Storie Index	<2> 100*	0.25	25
LE Subtotal		0.50	50
SA Factors			
Project Size	<3> 0	0.15	0
Water Resource Availability	<4> 100	0.15	15
Surrounding Agricultural Land	<5> 0	0.15	0
Protected Resource Land	<6> 0	0.05	0
SA Subtotal		0.50	15
Final LESA Score			65

EXHIBIT A
COUNTY OF SHASTA
DEPARTMENT OF PUBLIC WORKS

W.O. NO. _____ SHEET 11 OF 15
PROJECT Ex. A - Shasta Co. MH/ CALC. BY _____ DATE _____
ITEM PH SOLAR CHECKED BY _____ DATE _____

CONT. FROM 10/ ...

LACK OF PRESSURIZED WATER SERVICE ALSO
MAKES FARMING (OTHER THAN RANCHING) LESS
ATTRACTIVE. A PORTION OF THE AREA
CONSIDERED FOR SOLAR PANELS IS COVERED
BY AN UNCULTIVATED BLACKBERRY BRAMBLE.

THE IMPACT OF THE PROPOSED PROJECT IS
LESS THAN SIGNIFICANT.

Section IV. California Agricultural LESA Scoring Thresholds - Making Determinations of Significance Under CEQA

A single LESA score is generated for a given project after all of the individual Land Evaluation and Site Assessment factors have been scored and weighted as detailed in Sections 2 and 3. Just as with the scoring of individual factors that comprise the California Agricultural LESA Model, final project scoring is based on a scale of 100 points, with a given project being capable of deriving a maximum of 50 points from the Land Evaluation factors and 50 points from the Site Assessment factors.

The California Agricultural LESA Model is designed to make determinations of the potential significance of a project's conversion of agricultural lands during the Initial Study phase of the CEQA review process. Scoring thresholds are based upon both the total LESA score as well as the component LE and SA subscores. In this manner the scoring thresholds are dependent upon the attainment of a minimum score for the LE and SA subscores so that a single threshold is not the result of heavily skewed subscores (i.e., a site with a very high LE score, but a very low SA score, or vice versa). Table 9 presents the California Agricultural LESA scoring thresholds.

Table 9. California LESA Model Scoring Thresholds

Total LESA Score	Scoring Decision
0 to 39 Points	Not Considered Significant
40 to 59 Points	Considered Significant <u>only</u> if LE <u>and</u> SA subscores are each <u>greater</u> than or equal to 20 points
60 to 79 Points	Considered Significant <u>unless</u> either LE <u>or</u> SA subscore is <u>less</u> than 20 points
80 to 100 Points	Considered Significant

EXHIBIT A CALIFORNIA PRIME FARMLAND



Shasta County Area, California

RIA—Relff loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: hfs6
Elevation: 30 to 500 feet
Mean annual precipitation: 10 to 20 inches
Mean annual air temperature: 61 to 63 degrees F
Frost-free period: 240 to 275 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Relff and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Relff

Setting

Landform: Flood plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Typical profile

H1 - 0 to 18 inches: loam
H2 - 18 to 62 inches: loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High
(1.98 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): 1
Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: A
Hydric soil rating: No

Minor Components**Honcut***Percent of map unit: 10 percent**Hydric soil rating: No***Tujunga***Percent of map unit: 5 percent**Hydric soil rating: No***Data Source Information**

Soil Survey Area: Shasta County Area, California

Survey Area Data: Version 13, Sep 12, 2018



Shasta County

DEPARTMENT OF PUBLIC WORKS

1855 PLACER STREET
REDDING, CA 96001-1759
530.225.5661 530.225.5667 FAX
800.479.8022 California Relay Service at 700 or 800.735.2922

PATRICK J. MINTURN, DIRECTOR
C. TROY BARTOLOMEI, DEPUTY
KEN D. CRISTOBAL, DEPUTY
SCOTT G. WAHL, DEPUTY

No. 610499

July 22, 2019

Kelli Hayward, Cultural Resources Director
Wintu Tribe of Northern California
PO Box 995
Shasta Lake, CA 96019

Subject: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014)
Formal Notification of Decision to Undertake a Project, and Notification of Consultation
Opportunity, pursuant to Public Resources Code § 21080.3.1 (hereafter PRC).

Dear Ms. Hayward:

The County of Shasta has decided to undertake the following project: Shasta County Energy Program Project. Please find a description of the proposed project, an attached map showing the project location, and the name of our project point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description

Install ground-mount solar panel arrays at various locations.

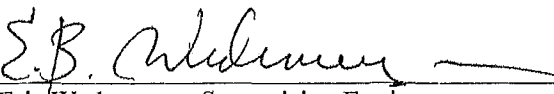
The County's project point of contact for this project is:

Eric Wedemeyer
Shasta County Department of Public Works
1855 Placer Street
Redding, CA 96001
Ph.: (530) 225-5181
Email: ewedemeyer@co.shasta.ca.us

Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the County of Shasta.

Sincerely,

Patrick J. Minturn, Director

By 
Eric Wedemeyer, Supervising Engineer
Special Projects

EBW/ldr
Attachment
Sent Certified Mail

Shasta County Energy Program

Solar Installation Sites

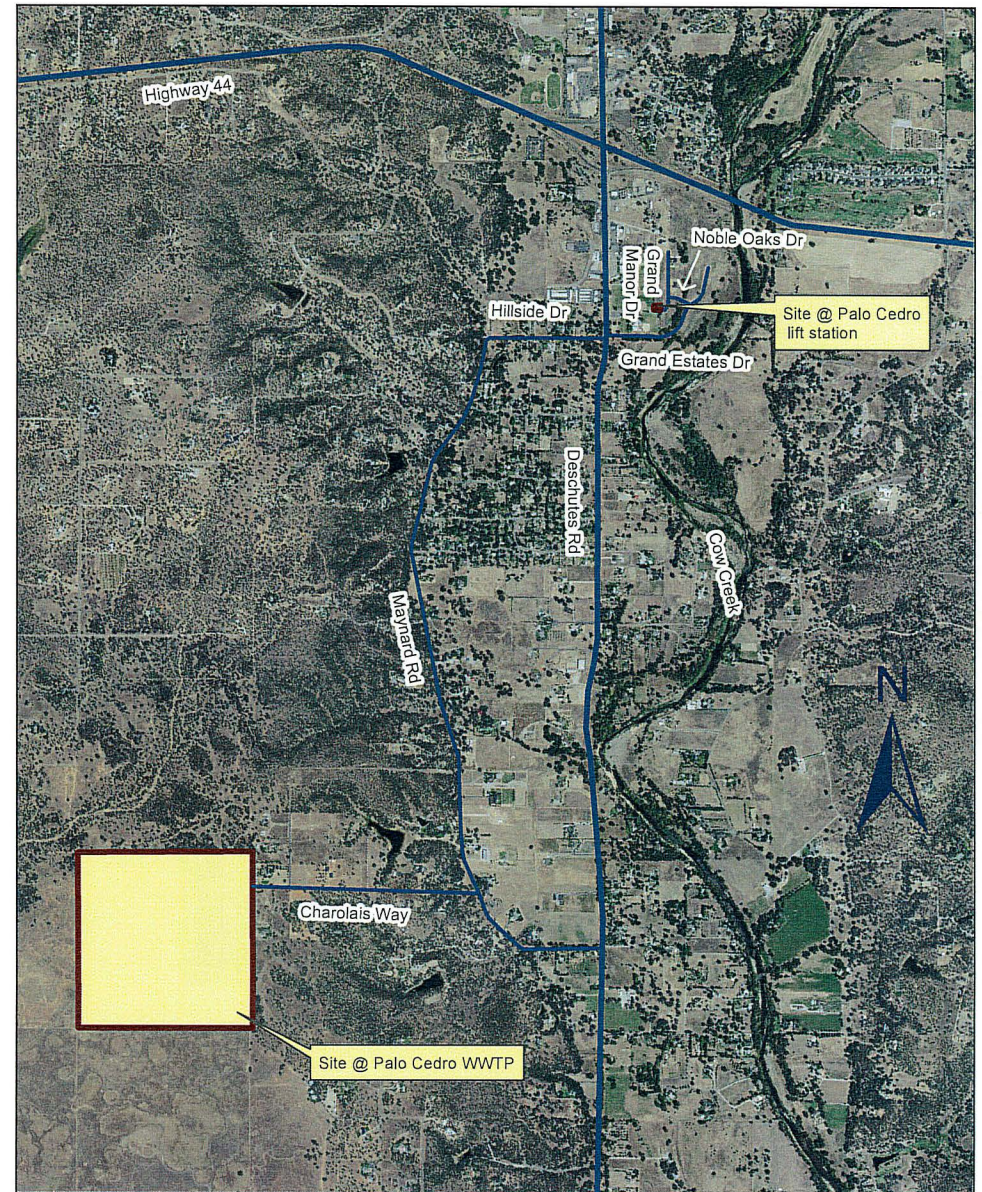
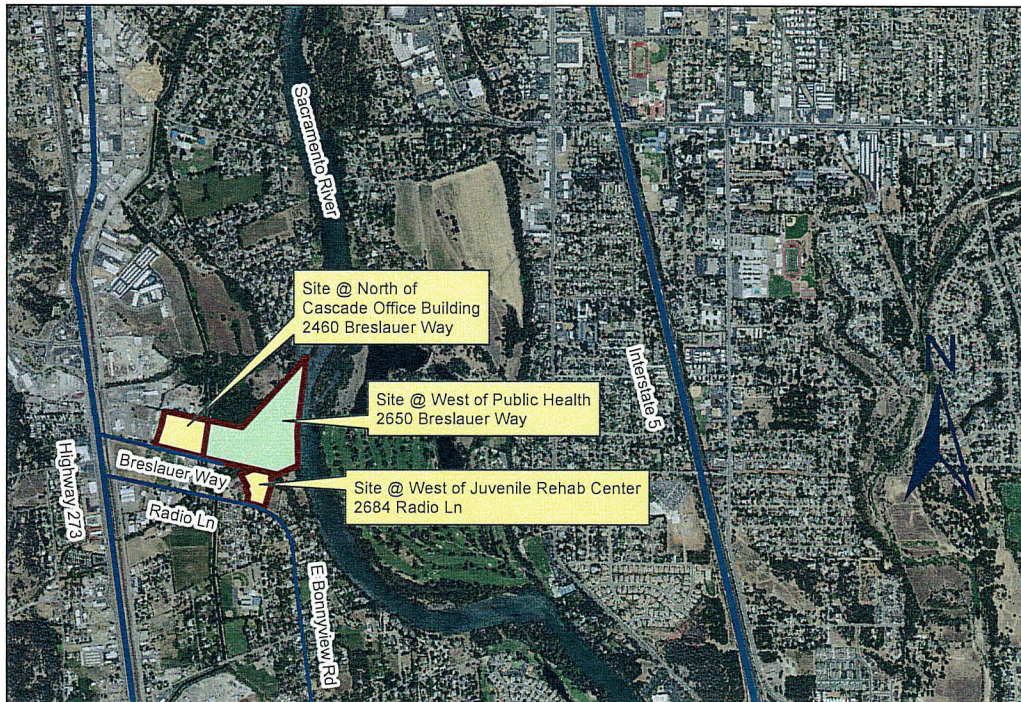


EXHIBIT B

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY																	
<ul style="list-style-type: none">■ Complete items 1, 2, and 3.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.		<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X <i>[Signature]</i></p>																	
<p>KELLI HAYWARD, CULTURAL RESOURCES DIRECTOR WINTU TRIBE OF NORTHERN CA PO BOX 995 SHASTA LAKE CA 96019</p>		<p>B. Received by (Printed Name) C. Date of Delivery</p> <p><i>[Signature]</i> 7-24-19</p>																	
<p>9590 9402 1863 6104 3683 87</p>		<p>07.22.19 EBW</p> <p>Shasta County Energy Program</p> <p>AB 52 Notification No. 610499</p>																	
<p>2. Article Number (Transfer from service label)</p>		<p>3. Service Type</p> <table border="0"><tr><td><input type="checkbox"/> Adult Signature</td><td><input type="checkbox"/> Priority Mail Express®</td></tr><tr><td><input type="checkbox"/> Adult Signature Restricted Delivery</td><td><input type="checkbox"/> Registered Mail™</td></tr><tr><td><input checked="" type="checkbox"/> Certified Mail®</td><td><input type="checkbox"/> Registered Mail Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Certified Mail Restricted Delivery</td><td><input type="checkbox"/> Return Receipt for Merchandise</td></tr><tr><td><input type="checkbox"/> Collect on Delivery</td><td><input type="checkbox"/> Signature Confirmation™</td></tr><tr><td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td><td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td></tr><tr><td><input type="checkbox"/> Insured Mail</td><td></td></tr><tr><td><input type="checkbox"/> Insured Mail Restricted Delivery</td><td></td></tr></table>		<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																		
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																		
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																		
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise																		
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™																		
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																		
<input type="checkbox"/> Insured Mail																			
<input type="checkbox"/> Insured Mail Restricted Delivery																			
<p>PS Form 3811, July 2015 PSN 7530-02-000-9</p>		<p>7015 3010 0000 4985 6896</p>																	



Shasta County

DEPARTMENT OF PUBLIC WORKS

1855 PLACER STREET
REDDING, CA 96001-1759
530.225.5661 530.225.5667 FAX
800.479.8022 California Relay Service at 700 or 800.735.2922

PATRICK J. MINTURN, DIRECTOR
C. TROY BARTOLOMEI, DEPUTY
KEN D. CRISTOBAL, DEPUTY
SCOTT G. WAHL, DEPUTY

No. 610499

July 22, 2019

Mickey Gemmill, Chairman
Pit River Tribe
36970 Park Avenue
Burney, CA 96013

Subject: Tribal Cultural Resources under the California Environmental Quality Act, AB 52 (Gatto, 2014)
Formal Notification of Decision to Undertake a Project, and Notification of Consultation
Opportunity, pursuant to Public Resources Code § 21080.3.1 (hereafter PRC).

Dear Mr. Gemmill:

The County of Shasta has decided to undertake the following project: Shasta County Energy Program Project. Please find a description of the proposed project, an attached map showing the project location, and the name of our project point of contact, pursuant to PRC § 21080.3.1 (d).

Project Description

Install ground-mount solar panel arrays at various locations.

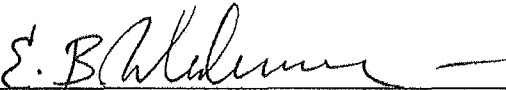
The County's project point of contact for this project is:

Eric Wedemeyer
Shasta County Department of Public Works
1855 Placer Street
Redding, CA 96001
Ph.: (530) 225-5181
Email: ewedemeyer@co.shasta.ca.us

Pursuant to PRC § 21080.3.1 (b), you have 30 days from the receipt of this letter to request consultation, in writing, with the County of Shasta.

Sincerely,

Patrick J. Minturn, Director

By 
Eric B. Wedemeyer, Supervising Engineer
Special Projects

EBW/ldr
Attachment
Sent Certified Mail

Shasta County Energy Program

Solar Installation Sites

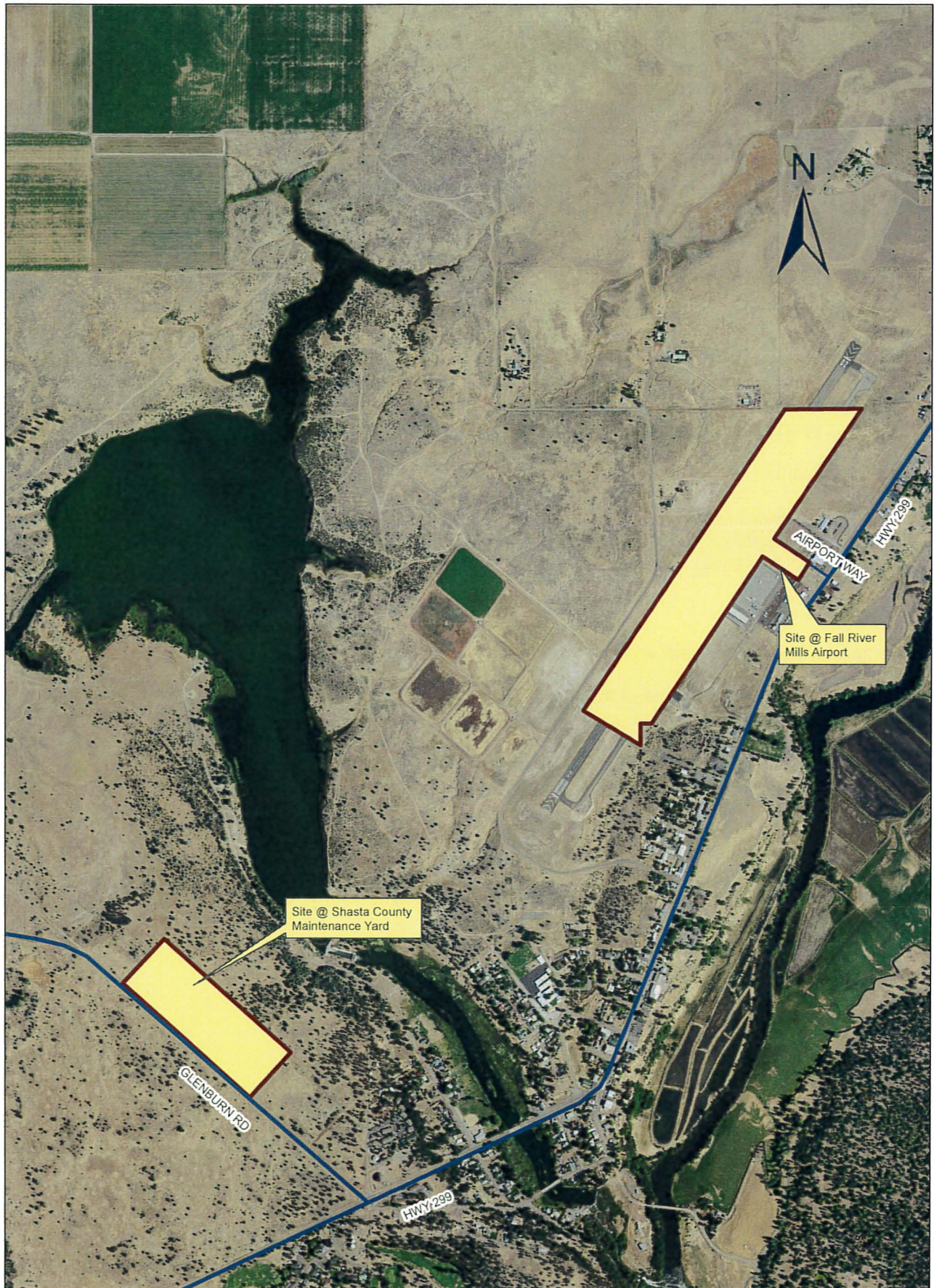


EXHIBIT B

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Signature <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>X Nonamecloud</p>	
<p>MICKEY GEMMILL, CHAIRMAN PIT RIVER TRIBE 36970 PARK AVE BURNEY CA 96013</p>		<p>B. Received by (Printed Name) C. Date of Delivery</p> <p>Nonamecloud 7-23-19</p>	
<p>9590 9402 1863 6104 3683 70</p>		<p>07.22.19 EBW</p> <p>Shasta County Energy Program</p> <p>AB 52 Notification No. 610499</p>	
<p>2. Article Number (Transfer from service label)</p>		<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail</p> <p><input type="checkbox"/> Insured Mail Restricted Delivery</p>	
<p>PS Form 3811, July 2015 PSN 7530-02-000-9</p>		<p>7015 3010 0000 4985 6889</p>	