

# Chapter 4—Impact Assessment Summary

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## 4.1 CEQA Initial Study Checklist

As required by CPUC Rule 17.1 and General Order 131-D, the CEQA Initial Study checklist was used to focus the impact analysis for the proposed project. In conformance with CEQA, the Proponent's Environmental Assessment (PEA) provides information to the CPUC regarding the potential environmental consequences of the project. The methodologies used for determining standards of significance of all impact categories analyzed in the PEA derive from Appendix G of the revised CEQA Guidelines and are described for each environmental topic in Chapters 5 through 16. In addition, applicable standards of significance from resource agencies and local governments were incorporated. By applying the appropriate significance criteria, potential impacts under each environmental topic were categorized as significant or less than significant. The methodology used to determine the level of significance of potential impacts varies depending on the environmental topic. Local air quality, for example, is regulated by quantitative standards promulgated by the Bay Area Air Quality Management District (BAAQMD). Other topics, such as aesthetics, require professional judgment to determine the level of impact significance.

For some resource categories, it is clear that no potential impacts could result or that the impact category is not particularly applicable to the project. In this case, "no impact" is checked. In other cases, the potential impact has been analyzed and determined to be less than significant. In this case, the "less than significant impact" box has been checked. When mitigation measures can be implemented that reduce the potential impact to a less than significant level, the "less than significant with mitigation incorporation" box is checked, and the mitigation measures are described at the end of each chapter. In some cases, implementation of mitigation measures is not feasible, or the measures would not reduce the impact to a less than significant level. These impacts are checked as a "potentially significant impact" in the checklist.

Chapter 19, Table 19-1, identifies each potentially significant impact described in this PEA, the associated mitigation measure, and the criteria for determining the success of the mitigation measure. PG&E is responsible for implementing the mitigation monitoring effort. A full analysis of impacts is found in the corresponding chapter.

## 4.2 Impact Assessment Summary Checklist

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>I. AESTHETICS:</b> Would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>
	a) The project would affect the character of views seen from several designated scenic roadways including North Livermore Avenue, Manning Road, Route 84, and Interstate 580. However, it would not have a substantial adverse effect on any scenic vistas.			
b) Damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	b) The project will not damage scenic resources within a state scenic highway.			
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>
	c) To a limited extent, the project would affect views experienced from the Kottinger Ranch and North Livermore residential areas. Construction of the North Livermore and Dublin Substations in open space areas would be mitigated through low profile design, setbacks from the road, and walls and landscaping around the substations. With implementation of visual mitigation measures proposed as part of the project, impacts would be less than significant.			
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	d) Security lighting would be placed around the substation equipment but would not increase glare due to the use of low-wattage bulbs and downward focus of the lights.			

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<p><b>II. AGRICULTURE RESOURCES:</b> 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 prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:</p>				
<p>a) Convert Prime Farmland, Unique Farmland, or Farmland of 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?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				<p>a) None of the project components would be located in prime or unique farmland or Farmland of Statewide Importance.</p>
<p>b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?</p>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
				<p>b) The development of the Dublin Substation would remove 5 acres of land (of a 380-acre parcel) from Williamson Act contract status. This would not change agricultural practices. Pursuant to Government Code Section 51238, construction of electric facilities is a compatible use with Williamson Act lands.</p>
<p>c) Involve other changes in the existing environment which, due to their location or nature, could individually or cumulatively result in loss of Farmland to non-agricultural use?</p>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
				<p>c) Placement of transmission towers in agricultural areas will not result in a significant loss of farmland or result in a new non-agricultural use.</p>
<p><b>III. AIR QUALITY:</b> Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:</p>				
<p>a) Conflict with or obstruct implementation of the applicable Air Quality Attainment Plan or Congestion Management Plan?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
				<p>a) The project would not conflict with or obstruct implementation of any air quality attainment plans.</p>

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b) Violate any stationary source air quality standard or contribute to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	b) Construction of the project will produce minor temporary air emissions in the form of fugitive dust from ground disturbance and from construction equipment and vehicle exhaust but will not violate any air quality standards. Operation of the project will not produce air emissions.			
c) Result in a net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	c) Construction of the project will produce temporary air emissions in the form of fugitive dust from ground disturbance and from construction equipment and vehicle exhaust. Operation of the project will not produce air emissions.			
d) Create or contribute to a non-stationary source "hot spot" (primarily carbon monoxide)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	d) The project would not create or contribute to a non-stationary source "hot spot" because no air emissions would be generated.			
e) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	e) Temporary construction emissions would not result in levels of pollutants sufficient to create exposure to sensitive populations. In addition, there are no sensitive populations in the project area.			
f) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	f) Construction and operation of the project would not require the use of equipment or materials that would cause objectionable odors.			
<b>IV. BIOLOGICAL RESOURCES:</b> Would the project:				
a) Adversely impact, either directly or through habitat modifications, any endangered, rare, or threatened species, as listed in Title 14 of the California Code of Regulations (sections 670.2 or 670.5) or in Title 50, Code of Federal Regulations (sections 17.11 or 17.12)?	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	a) Project construction has the potential to impact rare, endangered, or threatened species if they are found to be located in the project area.			

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<p>b) Have a substantial adverse impact, 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 Game or U.S. Fish and Wildlife Service?</p>	✓	☐	☐	☐
<p>b) Project construction has the potential to impact candidate, sensitive, or special status species if they are found to be located in the project area.</p>				
<p>c) Have a substantial adverse impact on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or US Fish and Wildlife Service?</p>	☐	☐	☐	✓
<p>c) Riparian habitat or other sensitive natural communities identified in local or regional plans, policies, or regulations were not identified in the project area.</p>				
<p>d) Adversely impact federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) either individually or in combination with the known or probable impacts of other activities through direct removal, filling, hydrological interruption, or other means?</p>	☐	✓	☐	☐
<p>d) Construction of the project could cause significant impacts to as much as 3,000 square feet of wetland habitat if it is not possible to locate access roads outside the wetlands. Mitigation measures would reduce impacts to a less than significant level.</p>				
<p>e) Interfere substantially with the movement of any resident or migratory fish or wildlife species or with established resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?</p>	☐	✓	☐	☐
<p>e) The project would not impact any fish species and would not directly interfere with migration corridors or cause permanent wildlife dispersal. The project could impede the use of, or destroy small amounts of, nursery sites used by aquatic species.</p>				
<p>f) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</p>	☐	☐	☐	✓
<p>f) The project would not conflict with any local conservation ordinances or policies.</p>				
<p>g) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?</p>	☐	☐	☐	✓
<p>g) The project would not conflict with any known habitat conservation plans.</p>				

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<b>V. CULTURAL RESOURCES:</b> Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource which is either listed or eligible for listing on the National Register of Historic Places, the California Register of Historic Resources, or a local register of historic resources?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) No historical resources have been identified along the transmission line routes or at the substation sites.				
b) Cause a substantial adverse change in the significance of a unique archaeological resources (i.e., an artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it contains information needed to answer important scientific research questions, has a special and particular quality such as being the oldest or best available example of its type, or is directly associated with a scientifically recognized important prehistoric or historic event or person)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) The proposed project has no conflict with any known or recorded cultural resource sites; therefore, the project would not result in any adverse changes in the significance of any unique archaeological resources.				
c) Disturb or destroy a unique paleontological resource or site?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Some fossil-bearing geologic formations are located within the project area. However, they would be avoided and/or mitigation measures would be implemented to reduce impacts to less than significant levels.				
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) No sites with human remains have been identified in the project area. If any such sites are discovered during construction, appropriate mitigation measures will be implemented.				
<b>VI. GEOLOGY AND SOILS:</b> Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i) The Greenville and Verona faults are mapped in the vicinity of the South Area and some evidence suggests the possibility of fault rupture in the project area. However, the project would not expose people to adverse effects because the project is in a rural and sparsely populated area.				

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ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	ii) It is likely that the project will be exposed to at least one earthquake exceeding threshold limits. However, there would not be an increase in adverse effects to people because the project area is sparsely populated.			
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	iii) Soils in the project area generally have a low potential for seismic ground failure. Soils in the area most susceptible to liquefaction include stream channel deposits.			
iv) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	iv) Development of the project would not increase human exposure to, or be affected by seiche, tsunami, or volcanic hazards.			
v) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	v) Some portions of the proposed project are located in areas classified as “mostly landslide” by the U.S. Geological Service. However, these areas will either be spanned or, if avoidance is not possible, implementation of appropriate engineering design features and construction procedures based on design-level geotechnical studies will reduce the impact to a less than significant level.			
vi) Flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	vi) Transmission lines will be constructed in a dam inundation zone between Mileposts M5.1 and M5.3. However, the project does not include development of any inhabited structures and would not increase exposure of people or structures to flooding.			
vii) Wildland fires, including where wildlands are adjacent to urbanized areas and where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	vii) Transmission lines could pose a fire hazard when a conducting object, such as a tree limb, comes into proximity to a line, or when a live-phase conductor falls to the ground. The project is located primarily in open space and agricultural areas. Near residential areas, the transmission line will be underground. The project would not significantly increase the potential for wildfires close to urban areas or residences.			

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<p>b) Would the project result in substantial soil erosion or the loss of topsoil?</p> <p>b) Surface disturbance and vegetation removal during construction of access roads, transmission towers, and substations could increase the potential for erosion. However, implementation of standard engineering practices incorporated as part of the project would reduce impacts to a less than significant level.</p>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<p>c) Would the project result in the loss of a unique geologic feature?</p> <p>c) Some fossil-bearing geologic formations are located in the project area but they would not be impacted by the project.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
<p>d) Is the project located on strata 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?</p> <p>d) Subsidence could occur after disturbing underlying uncompacted sediments during construction activities. Soils in the project area generally have a low potential for seismic ground failure.</p> <p>Some portions of the proposed project are located in areas classified as “mostly landslide” by the U.S. Geological Service. However, these areas will either be spanned or, if avoidance is not possible, implementation of appropriate engineering design features and construction procedures based on design-level geotechnical studies will reduce the impact to a less than significant level.</p>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<p>e) Is project located on expansive soil creating substantial risks to life or property?</p> <p>e) Soils present in the project area have a moderate to high shrink-swell potential but the placement of project facilities on these soils would not create substantial risks to life or property.</p>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<p>f) Where sewers are not available for the disposal of wastewater, is the soil capable of supporting the use of septic tanks or alternative wastewater disposal systems?</p> <p>f) Septic tanks will not be installed at the proposed substations and project construction will not require disposal of wastewater.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓



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<b>VII. HAZARDS AND HAZARDOUS MATERIALS:</b>				
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	a) Maintenance of the substations and transmission lines would require the periodic transport of hazardous materials such as petroleum products. The materials would be shipped and disposed in accordance with Department of Transportation and state and federal EPA regulations.			
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the likely release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	b) Operation of the substations could result in a release of transformer oil in the event of severe equipment failure. However, implementation of spill prevention, control, and counter measures regulations (Title 40 Code of Federal Regulations Section 112) would render the potential for a release of hazardous materials to the environment unlikely.			
c) Reasonably be anticipated to emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	c) Two elementary schools are located about one-quarter mile from the proposed underground transmission line. However, there would not be any hazardous emissions or routine handling of hazardous materials associated with the project.			
d) Is the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	d) Three sites have been identified that are located on or adjacent to the proposed transmission line route. Construction at these sites will be avoided by spanning them with transmission lines, or testing will be performed prior to construction and appropriate personal protection and waste disposal measures will be implemented.			
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 for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	e) The project is located neither in an area subject to an airport land use plan nor within 2 miles of an airport used by the public.			

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f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) There are no known private airstrips in the project area.				
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) The project would not impair implementation of or physically interfere with any emergency plans.				
h) Expose people or structures to the risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h) Transmission lines could pose a fire hazard when a conducting object, such as a tree limb, comes into close proximity with a line, or when a live-phase conductor falls to the ground. However, the project is located in mostly open space and agricultural areas. Near residential areas, the transmission line will be underground. The project would not significantly increase the potential for wildfires close to urban areas or residences.				
<b>VIII. HYDROLOGY AND WATER QUALITY:</b>				
Would the project:				
a) Violate Regional Water Quality Control Board water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
a) Construction or operation of the project could decrease surface water quality due to hazardous materials spills or erosion. However, implementation of measures outlined in a storm water pollution prevention plan, erosion control and sediment transport plan, and spill prevention, control, and counter measures plan will reduce impacts to less than significant levels.				
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (i.e., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Groundwater quantity will not be affected by the project because no additions, with drawals, or interceptions of groundwater will occur.				

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c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
			c) Construction of the substations and transmission towers would not substantially alter existing drainage patterns or result in substantial erosion or siltation on- or off-site.	
d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
			d) Construction of the substations and transmission towers would not substantially increase runoff or result in on- or off-site flooding because most of the project area will remain unpaved. Rainfall will either infiltrate or sheet flow to unpaved areas.	
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems to control?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
			e) The project would not create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage system. Substations will have appropriately designed stormwater control systems.	
f) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
			f) The project does not include the construction of housing.	
g) Place within a 100-year floodplain structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
			g) A small portion (0.2 miles) of the underground section of the project would be built in a dam inundation zone. Since the section would be underground, no structures would be built in a 100-year floodplain that would impede or redirect flood flows.	
<b>IX. LAND USE AND PLANNING: Would the project:</b>				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
			a) The project components are located primarily in open space grasslands. The underground transmission line would be placed in City of Pleasanton streets but would not divide an established community.	

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<p>b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?</p> <p>b) The project will not conflict with land use, policies, or regulations adopted to mitigate an environmental effect.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>c) Conflict with any applicable habitat conservation plan or natural communities conservation plan?</p> <p>c) There are no known existing conservation plans in the project area.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>X. MINERAL RESOURCES:</b> Would the project:				
<p>a) Result in the loss of availability of a known mineral resource classified MRZ-2 by the State Geologist that would be of value to the region and the residents of the state?</p> <p>a) Mapped Mineral Resource Zones (gravel quarries) are located in the South Area of the project. The quarries will not be impacted by project.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>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?</p> <p>b) The project would not impact any locally-important mineral resource recovery sites.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>XI. NOISE:</b> Would the project result in:				
<p>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</p> <p>a) Temporary noise impacts would occur during construction of the project. The project would not expose persons to noise or generate noise levels in excess of publicly adopted plans or standards.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?</p> <p>b) Temporary noise impacts would occur during construction of the project. The project would not expose persons to excessive noise or generate excessive groundborne vibration or noise levels.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	c) Temporary noise impacts would occur during construction of the project. Operation of the transmission line and substations would not create a noticeable increase in noise levels. There are no residences or businesses located near the project facilities.			
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>
	d) Temporary construction-related noise impacts would occur to residents in the area where the transmission line would be underground. Implementation of mitigation measures will reduce noise levels to a less than significant level.			
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 expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	e) The project is located neither within an airport land use plan nor within two miles of a public airport.			
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	f) There are no known private airstrips in the project area.			
<b>XII. POPULATION AND HOUSING:</b> Would the project:				
a) Induce substantial 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)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	a) The project would not induce population growth because the proposed increase in electric power is in response to growth that is already occurring.			
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	b) The project would not displace any existing housing.			
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	c) The project would not displace any people.			

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<b>XIII. PUBLIC SERVICES:</b> Would the project:				
a) 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:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	i) The demand for fire protection will not change as a result of the project.			
ii. Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	ii) The demand for police protection will not change as a result of the project.			
iii. Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	iii) The demand for schools will not change as a result of the project.			
iv. Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	iv) The demand for parks will not change as a result of the project.			
v. Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	v) The demand for other public services such as hospitals and maintenance of public facilities will not change as a result of the project.			
<b>XIV. RECREATION:</b>				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	a) The project will not increase demand for neighborhood or regional parks or other recreational facilities.			
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	b) The project will not affect existing recreational opportunities during construction or operation.			

## 4.2 Impact Assessment Summary Checklist

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<u>XV. TRANSPORTATION/TRAFFIC:</u> Would the project:				
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	a) Temporary lane closures will be required on some rural roadways. All of these roads have low traffic flows.			
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	b) The low amount of traffic volume generated during project construction would be negligible.			
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	c) The project would not impact air traffic patterns.			
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	d) The transmission lines would be placed in existing right-of-ways, open space, residential areas, and along existing roadways. The project will cross railroad tracks but these crossings will be scheduled so that train schedules are not impacted.			
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	e) The project will not impact emergency access on regional and residential roads. Lane closures will be coordinated with local jurisdictions and emergency service providers.			
f) Result in inadequate parking capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	f) The project could temporarily affect parking along Hearst Drive during underground construction activities.			
g) Conflict with adopted policies supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	g) The project could temporarily affect transit operations along Bernal Avenue, including WHEEL bus routes 8 and 606, school bus routes, and bus stops during construction activities.			

## 4.2 Impact Assessment Summary Checklist

Issues:	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<b>XVI. UTILITIES AND SERVICE SYSTEMS:</b>				
Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	a) The project would not be subject to wastewater treatment requirements because no wastewater would be generated.			
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	b) The project would not require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities.			
c) Require or result in the construction of new stormwater drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	c) The project will not require or result in the construction of new stormwater drainage facilities or expansion of existing facilities. Appropriate drainage facilities will be developed at each 5-acre substation site.			
d) Are sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	d) The project would not require new water supplies. Construction crews will bring in potable water for drinking purposes and non-potable water for dust control.			
e) Has the wastewater treatment provider which serves or may serve the project determined that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	e) The project would not generate any wastewater.			
f) Is the project served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	f) The project would generate a minimal amount of solid waste during construction activities. Local landfills have sufficient capacity to accept any soil or construction waste.			