

Chapter 4—Impact Assessment Summary

4.1 CEQA Initial Study Checklist

As required by California Public Utilities Commission (CPUC) Rule 17.1 and General Order 131-D, the California Environmental Quality Act (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 18. 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
I. AESTHETICS: 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 and trails. However, it would not have a substantial adverse effect with incorporation of mitigation measures.				
b) Substantially 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; areas where ground disturbance occurs during construction will be revegetated.				
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) Project consists of replacing a transmission line in an existing utility corridor with somewhat larger towers. To a limited extent, the Project would affect views experienced along the Project route. 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 on the substation equipment that will be added, and may be placed within the transition station, but would not increase glare due to the use of low-wattage bulbs and downward focus of the lights.				
II. AGRICULTURE 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 prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the Project:				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
a) None of the Project components would be located in prime or unique farmland or Farmland of Statewide Importance.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<p>b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?</p> <p>b) None of the Project components would be located in lands zoned for agricultural use or Williamson Act contract lands.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<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> <p>c) None of the Project components are located on or adjacent to agricultural resources or farmlands.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>III. AIR QUALITY: 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> <p>a) The Project would not conflict with or obstruct implementation of any air quality attainment plans.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>b) Violate any stationary source air quality standard or contribute to an existing or projected air quality violation?</p> <p>b) 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 but, with implementation of BAAQMD recommended measures, will not violate any air quality standards .</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>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)?</p> <p>c) Construction of the Project will produce temporary air emissions in the form of fugitive dust; adoption of BAAQMD recommended mitigation measures will result in a less-than-significant impact.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>d) Create or contribute to a non-stationary source "hot spot" (primarily carbon monoxide)?</p> <p>d) The Project would not create or contribute to a non-stationary source "hot spot."</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
e) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Project would not expose sensitive receptors to substantial pollution concentrations from ground disturbance or from construction equipment and vehicle exhaust.				
f) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Construction and operation of the Project would not require the use of equipment or materials that would cause objectionable odors.				
IV. BIOLOGICAL RESOURCES: 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) Project construction has the potential to impact rare, endangered, or threatened species as described in detail in Chapter 6. Mitigation measures will be developed as appropriate in coordination with agencies planned to reduce impact levels to less-than-significant.				
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Project construction has the potential to impact rare, endangered, or threatened species as described in detail in Chapter 6. Mitigation measures will be developed as appropriate in coordination with agencies planned to reduce impact to a less-than-significant level.				
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Project will have temporary impacts on serpentine grasslands and potentially on a small amount of riparian communities. Revegetation plans and other measures detailed in Chapter 6 reduce these to less-than-significant level.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<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 temporary impacts to an estimated 0.2 acres of wetland habitat if it is not possible to locate work areas and access roads outside the wetlands. Some construction work may be conducted within the highwater mark of San Andreas Lake at two towers. Mitigation measures would reduce impacts to a less-than-significant level.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<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 permanently impact any fish species and would not directly interfere with migration corridors or cause permanent wildlife dispersal. Temporary impacts to any fish species will be less-than-significant with the incorporation of mitigation.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<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>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<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 is in compliance with the San Bruno Mountain Habitat Conservation Plan (HCP).</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
V. CULTURAL RESOURCES: Would the Project:				
<p>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?</p> <p>a) The Proposed Project has no conflict with historical resources along the Project route.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<p>b) Cause a substantial adverse change in the significance of a unique archaeological resources (i.e., an artifact, object, or site about which is 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)?</p>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<p>b) The Proposed Project has no conflict with any known or recorded cultural resource sites; the Project would not result in any adverse changes in the significance of any known unique archaeological resources. Measures have been incorporated to address potential discoveries.</p>				
<p>c) Disturb or destroy a unique paleontological resource or site?</p>	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>
<p>c). Some fossil-bearing geologic formations are located in the Project Area. If paleontological resources are found, mitigation will be implemented, thereby reducing any potential impact to a less-than-significant level.</p>				
<p>d) Disturb any human remains, including those interred outside of formal cemeteries?</p>	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
<p>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.</p>				
VI. GEOLOGY AND SOILS: Would the Project:				
<p>a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:</p>				
<p>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?</p>	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>
<p>i) Fault traces associated with the San Andreas fault are mapped in the Project Area and it is possible that Project facilities, particularly the transition station, would be affected by a fault rupture. However, incorporation of standard engineering practices as part of the Project will provide for quick repair of the Project facilities.</p>				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>ii) It is likely that the Project will be exposed to at least one moderate or greater earthquake located close enough to produce strong ground shaking in the Project Area. As described in IV a) iii), the incorporation of standard engineering practices as part of the Project will ensure that people or structures are not exposed to hazards associated with strong seismic ground shaking.</p>				
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>iii) Seismic-induced ground failure has the potential to distress, displace, and/or destroy Project components. Therefore, a design-level geotechnical investigation will be performed to collect data and assess the potential for seismic-induced ground failure in soil and rock materials underlying substation, transmission tower, transition station, and underground transmission line sites. Incorporation of standard engineering practices as part of the Project will ensure that people or structures are not exposed to hazards associated with strong seismic ground shaking.</p>				
iv) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>iv) Development of the Project would not increase human exposure to, or be affected by seiche, tsunami, or volcanic hazards.</p>				
v) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>v) Slope instability, including landslides, earth flows, and debris-flows has the potential to undermine foundations, cause distortion and distress to overlying structures, and displace or destroy Project components. A design-level geotechnical survey will be performed to evaluate the potential and guide design to address for unstable slopes, landslides, earth flows, and debris flows along proposed transmission-line routes and in the vicinity of other Project facilities.</p>				
vi) Flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>vi) Transmission lines will span a dam failure inundation zone on Segment 1, but the towers are placed above the elevation of the potential flood area, and therefore would not be subject to flooding. However, the Project does not include development of any inhabited structures and would not increase exposure of people or structures to flooding.</p>				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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) Fires could result during construction; however, mitigation measures have been included to minimize this risk. 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 overhead transmission line for the Project is located primarily in open space areas, but typical PG&E fire hazard abatement practices would be implemented. The underground transmission line will be placed in city streets and would not pose a wildland fire hazard. The Project would not significantly increase the potential for wildfires close to urban areas or residences.			
b) Would the Project result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>
	b) Surface disturbance and vegetation removal during construction of access roads, transmission towers, and substations could increase the potential for erosion. However, implementation of Best Management Practices in the Storm Water Pollution Prevention Plan incorporated as part of the Project would reduce impacts to a less-than-significant level.			
c) Would the Project result in the loss of a unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	✓
	c) Some fossil-bearing geologic formations are located in the Project Area. If paleontological resources are found, mitigation will be implemented, thereby reducing any potential impact to a less-than-significant level.			
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?	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>
	d) Saturated, loose sands and soft clays may pose difficulties in access for construction and in excavating for pole and tower foundations. Destabilization of natural or constructed slopes could occur as a result of construction activities. However, design-level geotechnical studies will be performed to evaluate the potential for, and effects of, soft or loose soils where necessary and appropriate design features and construction measures will be implemented to maintain stable slopes and excavations during construction.			
	See also IV. a) iv), above.			

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
e) Is Project located on expansive soil creating substantial risks to life or property?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Localized areas of expansive soils that could be encountered in the Project route would be mitigated through incorporation of appropriate design features and construction measures.				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Septic tanks will not be installed at the proposed substations and Project construction will not require disposal of wastewater.				
VII. HAZARDS AND HAZARDOUS MATERIALS:				
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 checked="" 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 transported, used and disposed of in accordance with applicable 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 checked="" type="checkbox"/>	<input type="checkbox"/>
b) Implementation of spill prevention, control, and counter measures regulations (Title 40 Code of Federal Regulations Section 112) for the substations that will be modified for the Project 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"/>	<input checked="" type="checkbox"/>
c) Schools are located adjacent to the proposed underground transmission line. However, there would not be any hazardous emissions or routine handling of hazardous materials associated with the Project.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<p>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?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>d) Listed, contaminated sites have been identified that are located on or adjacent to the proposed transmission line route. Testing will be performed to characterize soil and groundwater as appropriate on the underground route, and appropriate personnel protection and waste disposal measures will be implemented.</p>				
<p>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?</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>e) The Project is located in the vicinity of the San Francisco International Airport (SFO) and proposed helicopter operations during construction would be conducted in accordance with Federal Aviation Administration requirements. The Project would not result in a safety hazard for people residing or working in the Project Area as a result of the proximity of the Project to the SFO.</p>				
<p>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?</p>				
<p>f) There are no known private airstrips in the Project Area.</p>				
<p>g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>g) The Project would not impair implementation of or physically interfere with any emergency plans.</p>				
<p>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?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<p>h) 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 overhead transmission line for the Project is located primarily in open space areas, but typical PG&E fire hazard abatement practices would be implemented. The underground transmission line will be placed in city streets and would not pose a wildland fire hazard. The Project would not significantly increase the potential for wildfires close to urban areas or residences.</p>				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
<u>VIII. HYDROLOGY AND WATER QUALITY:</u>				
Would the Project:				
a) Violate Regional Water Quality Control Board water quality standards or waste discharge requirements?	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>
a) Soil erosion and subsequent downstream sedimentation and reduced surface water quality could potentially increase during construction of the overhead transmission line. 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"/>
b) Groundwater quantity will not be affected by the Project because trench dewatering required for construction of the underground transmission line would be minimal and limited to perched groundwater which does not support wells.				
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 and underground line 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 transmission towers, installation of the underground transmission line, and modification to the substations would not substantially increase runoff or result in on- or off-site flooding because the Project will not substantially change the amount of impervious surfaces in the Project Area. Rainfall will either infiltrate or sheet flow to unpaved areas.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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 checked="" 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. Modification to substations would not require additional stormwater control systems to be added.				
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"/>	<input checked="" 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"/>	<input checked="" type="checkbox"/>
g) No structures are planned within 100-year floodplains.				
IX. LAND USE AND PLANNING: Would the Project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) The overhead portion of the Project will be built within the existing transmission line corridor and the underground portion will be built within city streets, therefore the Project would not physically divide an established community.				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) The Project will not conflict with land use policies, or regulations adopted to mitigate an environmental effect.				
c) Conflict with any applicable habitat conservation plan or natural communities conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) See Biological Resources IV g). Project is in compliance with the San Bruno Mountain Habitat Conservation Plan.				
X. MINERAL RESOURCES: Would the Project:				
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
a) No mapped Mineral Resource Zones are located along the Project alignment.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) The Project would not impact any locally important mineral resource recovery sites.				
XI. NOISE: Would the Project result in:				
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
a) Temporary noise impacts would occur during construction of the Project which would be minimized by mitigation. The Project would not expose persons to noise or generate noise levels in excess of publicly adopted plans or standards.				
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Temporary noise impacts would occur during construction of the Project. The Project will not expose persons to excessive noise or generate excessive groundborne vibration or noise levels.				
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 checked="" type="checkbox"/>	<input type="checkbox"/>
c) Operation of the transmission line and substations would not create a noticeable permanent increase in noise levels.				
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Temporary construction-related noise impacts would occur in the Project vicinity. 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) The Project is located greater than two miles from the San Francisco International Airport, and noise levels associated with the Project are not expected to contribute to existing noise experienced by residents affected by aircraft noise. Temporary construction-related noise impacts would occur to residents, but would be less than significant, as described in this section.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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"/>	<input checked="" type="checkbox"/>
f) There are no known private airstrips in the Project Area.				
XII. POPULATION AND HOUSING: 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"/>	<input checked="" type="checkbox"/>
a) The Project would not induce population growth because the proposed increase in electric power is in response to growth that has occurred or is continuing to occur.				
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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"/>	<input checked="" type="checkbox"/>
c) The Project would not displace any people.				
XIII. PUBLIC SERVICES: Would the Project:				
a) Would the Project result in substantial adverse physical impacts associated with the need for or provision of 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.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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.				
XIV. RECREATION:				
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 facilities during construction or operation.				
XV. TRANSPORTATION/TRAFFIC: 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) Construction traffic is not anticipated to significantly affect the number of trips or volume to capacity ratio on roads; temporary lane closures will be required on roadways that will be trenched for the Project.				
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 traffic volume generated during Project construction would be minimal compared to existing traffic levels.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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. Use of helicopters during construction would be in accordance with FAA requirements and would not result in air traffic pattern changes.				
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 Project will not permanently affect design features of roadways. Temporary effects to roadways during construction will be mitigated such that a substantial increase in existing roadway design feature hazards or incompatible uses would not occur.				
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 street parking in residential areas during underground construction activities; temporary parking space closures will be coordinated with local jurisdictions.				
g) Conflict with adopted policies supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) The Project would not conflict with adopted alternative transportation policies. Temporary impacts to alternative transportation, such as temporary detours for existing bike paths or lane closures on streets with bus service would be less than significant with suggested mitigation measures for traffic control.				
XVI. UTILITIES AND SERVICE SYSTEMS:				
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"/>	<input checked="" type="checkbox"/>
a) The Project would not be subject to wastewater treatment requirements because no wastewater would be generated.				

4.2 Impact Assessment Summary Checklist

Issues	Potentially Significant Impact	Less Than Significant With Mitigation Incorporation	Less Than Significant Impact	No Impact
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. Drainage facilities at the existing substations will not be affected by the Project.				
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. The Project is expected to generate soil waste due to trenching of the underground portion of the transmission line. Local landfills have sufficient capacity to accept any soil or construction waste.				