

TABLE OF CONTENTS

1.0 PROJECT COMPONENTS 1-1
1.1 PROJECT LOCATION 1-1
1.2 PROJECT NEED AND ALTERNATIVES..... 1-1
1.3 AGENCY COORDINATION..... 1-2
 1.3.0 Otay Water District 1-2
 1.3.1 California Department of Transportation..... 1-2
 1.3.2 Native American Heritage Commission 1-2
1.4 PROPONENT’S ENVIRONMENTAL ASSESSMENT CONTENTS 1-2
1.5 PROPONENT’S ENVIRONMENTAL ASSESSMENT CONCLUSIONS..... 1-4
1.6 AREAS OF CONTROVERSY AND ISSUES TO BE RESOLVED..... 1-4
1.7 PUBLIC OUTREACH EFFORTS 1-4

LIST OF TABLES

Table 1-1: PEA Checklist Key..... 1-5

CHAPTER 1 – PROPONENT’S ENVIRONMENTAL ASSESSMENT SUMMARY

Consistent with California Public Utilities Commission (CPUC) General Order 131-D, this Proponent’s Environmental Assessment (PEA) has been prepared by San Diego Gas & Electric Company (SDG&E) to support SDG&E’s application for a Permit to Construct the Tie Line (TL) 649 Wood-to-Steel Replacement Project (Proposed Project).

1.0 PROJECT COMPONENTS

The Proposed Project involves the following components:

- wood-to-steel replacement of existing wood poles with new steel poles,
- transferring the existing power line conductors to the new poles,
- replacing portions of the existing distribution line conductors on the new poles,
- transferring portions of the existing distribution line conductors to the new poles,
- removing approximately 400 feet of distribution line,
- transferring existing telecommunications lines to the new poles,
- converting approximately 430 feet of underground power line cable to an overhead configuration,
- intercepting existing underground distribution lines in two locations, and
- modifying existing access roads in four locations.

1.1 PROJECT LOCATION

The Proposed Project is located in the southeastern portion of San Diego County, California, approximately 12 miles southeast of downtown San Diego and approximately 1.5 miles north of the United States- (U.S.-) Mexico border. The portion of the power line that will be replaced is approximately seven miles long and is located between the Otay and Border substations.

1.2 PROJECT NEED AND ALTERNATIVES

As described further in Chapter 2 – Project Purpose and Need, the Proposed Project is being proposed to meet the following three objectives:

- Objective 1: Increase the fire safety and service reliability of TL 649.
- Objective 2: Minimize potential adverse environmental effects.
- Objective 3: Locate proposed facilities within existing utility corridors to the extent feasible.

Although the primary purpose of the Proposed Project is to replace the existing wood poles with steel poles to make them more resilient to fires, alternatives were considered during the development of the Proposed Project. The Proposed Project was ultimately selected because it best meets all of the objectives and is the most cost effective when compared to all alternatives.

1.3 AGENCY COORDINATION

1.3.0 Otay Water District

SDG&E has been in communication with Otay Water District in regards to water supply availability during construction of the Proposed Project. Otay Water District provided a Will-Serve letter on September 29, 2014, stating that the district has adequate capacity to meet the water demands of the Proposed Project. Further discussion is provided in Section 4.17 Utilities and Service Systems, and the Will-Serve letter is provided in Attachment 4.17-A: Otay Water District Will-Serve Letter.

1.3.1 California Department of Transportation

SDG&E contacted the California Department of Transportation (Caltrans) on September 3, 2014 regarding the underground to overhead conversion of the power line located underneath the State Route 125 bridge within the existing right-of-way (ROW). On September 29, 2014, SDG&E received a response from Caltrans indicating that underground to overhead conversion may be applied for through the encroachment permit process.

1.3.2 Native American Heritage Commission

A Sacred Land File (SLF) search for the Area of Potential Effect (APE) was requested from the California Native American Heritage Commission (NAHC) on April 12, 2010 and on May 28, 2015. The SLF search results prepared by the NAHC indicating the presence of any Native American cultural resources within the APE will appear as an addendum to the Cultural Resources Technical Report.

Follow-up correspondence will be conducted with all individuals and groups indicated by the NAHC as having affiliation with the APE. Follow-up correspondence will consist of a letter describing the Project and a detailed map indicating the APE. Recipients will be requested to reply with any information they are able to share about Native American resources that might be adversely affected by the Proposed Project. The results of this outreach effort will be included as an addendum to the Cultural Resources Technical Report.

1.4 PROPONENT’S ENVIRONMENTAL ASSESSMENT CONTENTS

This PEA was prepared in accordance with the PEA Checklist issued by the CPUC on November 24, 2008, and is divided into the following five sections:

- Chapter 1 – PEA Summary discusses the contents and conclusions of the PEA and describes SDG&E’s ongoing and past coordination efforts.
- Chapter 2 – Project Purpose and Need outlines the Proposed Project’s three objectives, which have been discussed previously.
- Chapter 3 – Project Description provides a detailed description of the Proposed Project. This discussion includes specifics regarding the following:
 - Proposed Project location

- Existing system
 - Proposed Project components
 - Permanent and temporary land/ROW requirements
 - Construction methods
 - Construction schedule
 - Anticipated operation and maintenance activities
 - Federal, state, and local permits that will be obtained for the Proposed Project
 - Project Design Features and Ordinary Construction/Operating Restrictions
- Chapter 4 – Environmental Impact Assessment includes an environmental impact assessment summary and a discussion of the existing conditions and the potential and anticipated impacts of the Proposed Project for each of the following resource areas:
 - Aesthetics
 - Agriculture and Forestry Resources
 - Air Quality
 - Biological Resources
 - Cultural Resources
 - Geology and Soils
 - Greenhouse Gas (GHG) Emissions
 - Hazards and Hazardous Materials
 - Hydrology and Water Quality
 - Land Use and Planning
 - Mineral Resources
 - Noise
 - Population and Housing
 - Public Services
 - Recreation
 - Transportation and Traffic
 - Utilities and Service Systems

The CPUC’s PEA Checklist indicates that the environmental setting section can be provided separately or combined with the impacts. SDG&E has elected to combine the existing conditions and impacts for each resource area in Chapter 4 – Environmental Impact Assessment. This chapter also include a Cumulative Analysis, which discusses past, present, and reasonably foreseeable future projects within the Proposed Project area, as well as the Proposed Project’s potential to contribute to a significant cumulative effect.

- Chapter 5 – Detailed Discussion of Significant Impacts identifies that there are no potentially significant impacts that will result from the Proposed Project, evaluates alternatives to the Proposed Project, describes the justification for the preferred alternative, and discusses the Proposed Project’s potential to induce growth in the area.

Throughout the PEA, SDG&E addresses every item requested in the CPUC’s PEA Checklist. To facilitate confirmation of this and review of the PEA, Table 1-1: PEA Checklist Key identifies the sections in which each checklist item is addressed.

1.5 PROPONENT’S ENVIRONMENTAL ASSESSMENT CONCLUSIONS

The PEA analyzes the potential environmental impacts associated with construction, operation, and maintenance of the Proposed Project. The resource areas discussed in Chapter 4 – Environmental Impact Assessment will not be impacted by the Proposed Project or will experience less-than-significant impacts.

1.6 AREAS OF CONTROVERSY AND ISSUES TO BE RESOLVED

There have been no areas of controversy for the Proposed Project to date, and no controversy is anticipated, particularly because the Proposed Project is limited to replacing existing poles with new poles at nearly the same locations. There are no existing issues that require resolution.

1.7 PUBLIC OUTREACH EFFORTS

SDG&E plans to meet with local government officials as necessary to inform them of the Proposed Project. In addition, a fact sheet will be made available at applicable public meetings/events and will be placed on SDG&E’s website. SDG&E will strive to inform area residents and property owners, government officials, and interested stakeholders about the scope of the Proposed Project, major milestones and timelines, and Proposed Project updates as necessary. An SDG&E contact will be established to allow residents and property owners to make direct communication with the Proposed Project team. Information for the SDG&E contact will be included on the Proposed Project fact sheet, SDG&E website, and construction notifications. During construction, SDG&E will make every effort to minimize disruptions such as construction traffic, dust, noise, and potential power outages.

Table 1-1: PEA Checklist Key

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
Chapter 1 – PEA Summary		
	Include major conclusions of the PEA.	Section 1.5 Proponent’s Environmental Assessment Conclusions
	List any areas of controversy.	Section 1.6 Areas of Controversy and Issues to Be Revolved
	Include a description of inter-agency coordination, if any.	Section 1.3 Agency Coordination
	Include a description of public outreach efforts, if any.	Section 1.7 Public Outreach Efforts
	Identify any major issues that must be resolved, including the choice among reasonably feasible alternatives and mitigation measures, if any.	Section 1.6 Areas of Controversy and Issues to Be Resolved
Chapter 2 – Project Purpose and Need		
2.1 Overview	Include an analysis of Proposed Project objectives and purpose and need that is sufficiently detailed so that the Commission can independently evaluate the Proposed Project need and benefits in order to accurately consider them in light of the potential environmental impacts.	Section 2.0 Overview Section 2.1 Project Objectives
	Explain the objective(s) and/or purpose and need for implementing the Proposed Project.	Section 2.0 Overview Section 2.1 Project Objectives
2.2 Project Objectives	Include an analysis of the reason why attainment of these objectives is necessary or desirable. Such analysis must be sufficiently detailed to inform the Commission in its independent formulation of Proposed Project objectives which will aid any appropriate California Environmental Quality Act alternatives screening process.	Section 2.1 Project Objectives

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
Chapter 3 – Project Description		
3.1 Project Location	Identify geographical location: County, City (provide Proposed Project location map[s]).	Section 3.1 Project Location Figure 3-1: Project Location Map Attachment 3-A: Detailed Route Map
	Provide a general description of land uses within the Proposed Project site (e.g., residential, commercial, agricultural, recreation, vineyards, farms, open space, number of stream crossings, etc.).	Section 3.1 Project Location Section 4.10.2 Existing Conditions
	Describe if the Proposed Project is located within an existing property owned by the Applicant, traverses existing ROW, or requires new ROW. Provide the approximate area of the property or the length of the Proposed Project that is in an existing ROW or which requires new ROWs.	Section 3.6 Permanent Land/Right-of-Way Requirements
3.2 Existing System	Describe the local system to which the Proposed Project relates. Include all relevant information about substations, transmission lines, and distribution circuits.	Section 3.2 Existing System
	Provide a schematic diagram and map of the existing system.	Figure 3-2: Regional System Map will be submitted under separate cover due to its confidential nature. Figure 3-3: Existing and Proposed System Configuration will be submitted under separate cover due to its confidential nature.
	Provide a schematic diagram that illustrates the system as it would be configured with the implementation of the Proposed Project.	Figure 3-3: Existing and Proposed System Configuration will be submitted under separate cover due to its confidential nature.
3.4 Proposed Project	Describe the whole of the Proposed Project. Is it an upgrade, a new line, new substations, etc.?	Section 3.4 Proposed Project Section 3.5 Project Components
	Describe how the Proposed Project fits into the regional system. Does it create a loop for reliability, etc.?	Section 3.2 Existing System Section 3.3 Project Objectives

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.4 Proposed Project (cont.)	Describe all reasonably foreseeable future phases or other reasonably foreseeable consequences of the Proposed Project.	Section 3.4 Proposed Project
	Provide the capacity increase in megawatts. If the Proposed Project does not increase capacity, state that.	Section 3.4 Proposed Project
	Provide geographic information system (GIS) (or equivalent) data layers for the Proposed Project preliminary engineering, including estimated locations of all physical components of the Proposed Project, as well as those related to construction.	A CD containing the relevant GIS data for the Proposed Project has been submitted under separate cover as part of this PEA package.
3.5 Project Components		
3.5.1 Transmission Line	Describe what type of line exists and what type of line is proposed (e.g., single-circuit, double-circuit, upgrade 69 kV to 115 kV).	Section 3.2 Existing System
	Identify the length of the upgraded alignment, the new alignment, etc.	Section 3.1 Project Location
	Describe whether construction would require one-for-one pole replacement, new poles, steel poles, etc.?	Section 3.5 Project Components
	Describe what would occur to other lines and utilities that may be collocated on the poles to be replaced (e.g., distribution, communication, etc.).	Section 3.4 Proposed Project
3.5.2 Poles/Towers	Provide information for each pole/tower that would be installed and for each pole/tower that would be removed.	Section 3.5 Project Components Table 3-1: Proposed Project Pole Summary (Approximate Values) Attachment 3-A: Detailed Route Map

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.5.2 Poles/Towers (cont.)	Provide a unique identification number to match GIS database information.	Attachment 3-A: Detailed Route Map A CD containing the relevant GIS data, which includes unique identification numbers for poles, has been submitted under separate cover as part of this PEA package.
	Provide a structural diagram and, if available, photos of existing structure. Preliminary diagram or “typical” drawings and, if possible, photos of proposed structure. Also provide a written description of the most common types of structures and their use (e.g., tangent poles would be used when the run of poles continues in a straight line, etc.). Describe if the pole/tower design meets raptor safety requirements.	Section 3.5 Project Components Attachment 3-B: Typical Drawings Figure 4.1-1: Visual Characterization Viewpoints and Key Observation Points Section 4.4.3 Impacts
	Provide the type of pole (e.g., wood, steel, etc.) or tower (e.g., self-supporting, lattice, etc.).	Section 3.5 Project Components Attachment 3-B: Typical Drawings Table 3-1: Proposed Project Pole Summary (Approximate Values)
	Identify typical total pole lengths, the approximate length to be embedded, and the approximate length that would be above ground surface; for towers, identify the approximate height above ground surface and approximate base footprint area.	Section 3.5 Project Components Section 3.7.4 Methods Attachment 3-B: Typical Drawings Table 3-1: Proposed Project Pole Summary (Approximate Values)
	Describe any specialty poles or towers; note where they would be used (e.g., angle structures, heavy angle lattice towers, stub guys, etc.); make sure to note if any guying would likely be required across a road.	Section 3.5 Project Components Section 3.7.4 Methods Attachment 3-B: Typical Drawings Table 3-1: Proposed Project Pole Summary (Approximate Values)

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.5.2 Poles/Towers (cont.)	If the Proposed Project includes pole-for-pole replacement, describe the approximate location of where the new poles would be installed relative to the existing alignment.	Section 3.4 Proposed Project Section 3.5 Project Components
	Describe any special pole types (e.g., poles that require foundations, transition towers, switch towers, microwave towers, etc.) and any special features.	Section 3.5 Project Components Section 3.7.4 Methods Attachment 3-B: Typical Drawings Table 3-1: Proposed Project Pole Summary (Approximate Values)
3.5.3 Conductor/Cable		
3.5.3.1 Above-Ground Installation	Describe the type of line to be installed on the poles/tower (e.g. single-circuit with distribution, double circuit, etc.).	Section 3.2 Existing System
	Describe the number of conductors required to be installed on the poles or tower and the number on each side including applicable engineering design standards.	Section 3.5 Project Components
	Provide the size and type of conductor (e.g., aluminum conductor, steel reinforced, non-specular, etc.) and insulator configuration.	Section 3.5 Project Components Section 3.7.4 Methods Attachment 3-B: Typical Drawings
	Provide the approximate distance from the ground to the lowest conductor and the approximate distance between the conductors (i.e., both horizontally and vertically). Provide specific information at highways, rivers, or special crossings.	Section 3.5 Project Components Section 3.7.1 Work Areas Section 3.7.4 Methods
	Provide the approximate span lengths between poles or towers, note where different if distribution is present or not if relevant.	Section 3.5 Project Components
	Determine whether other infrastructure would likely be collocated with the conductor (e.g., fiber optics, etc.); if so, provide conduit diameter of other infrastructure.	Section 3.5 Project Components

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.5.3.2 Below Ground Installation	Describe the type of line to be installed (e.g., single circuit cross-linked polyethylene-insulated solid-dielectric, copper-conductor cables).	Section 3.5 Project Components
	Describe the type of casing the cable would be installed in (e.g., concrete-encased duct bank system); provide the dimensions of the casing.	Section 3.5 Project Components Attachment 3-B: Typical Drawings
	Provide an engineering ‘typical’ drawing of the duct bank and describe what types of infrastructure would likely be installed within the duct bank (e.g., transmission, fiber optics, etc.).	Attachment 3-B: Typical Drawings
3.5.4 Substations	Provide “typical” plan and profile views of the proposed substation and the existing substation if applicable.	No substations are included as part of the Proposed Project.
	Describe the types of equipment that would be temporarily or permanently installed and provide details as to what the function/use of said equipment would be. Include information such as, but not limited to: mobile substations, transformers, capacitors, and new lighting.	No substations are included as part of the Proposed Project.
	Provide the approximate or “typical” dimensions (width and height) of new structures including engineering and design standards that apply.	No substations are included as part of the Proposed Project.
	Describe the extent of the Proposed Project. Would it occur within the existing fence line, existing property line or would either need to be expanded?	No substations are included as part of the Proposed Project.
	Describe the electrical need area served by the distribution substation.	No substations are included as part of the Proposed Project.
3.6 Right-of-Way Requirements	Describe the ROW location, ownership, and width. Would the existing ROW be used or would new ROW be required?	Section 3.6 Permanent Land/Right-of-Way Requirements
	If a new ROW is required, describe how it would be acquired and approximately how much land would be required (length and width).	Section 3.6 Permanent Land/Right-of-Way Requirements

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.6 Right-of-Way Requirements (cont.)	List the properties likely to require acquisition.	No properties will require acquisition.
3.7 Construction		
3.7.1 For All Projects		
3.7.1.1 Staging Areas	Where would the main staging area(s) likely be located?	Section 3.7.1 Work Areas Attachment 3-A: Detailed Route Map
	Approximately how large would the main staging area(s) be?	Section 3.7.1 Work Areas
	Describe any site preparation required, if known, or generally describe what might be required (i.e., vegetation removal, new access road, installation of rock base, etc.).	Section 3.7.1 Work Areas
	Describe what the staging area would be used for (i.e., material and equipment storage, field office, reporting location for workers, parking area for vehicles and equipment, etc.).	Section 3.7.1 Work Areas
	Describe how the staging area would be secured; would a fence be installed? If so, describe the type and extent of the fencing.	Section 3.7.1 Work Areas
	Describe how power to the site would be provided if required (i.e., tap into existing distribution, use of diesel generators, etc.).	Section 3.7.1 Work Areas
	Describe any grading activities and/or slope stabilization issues.	Section 3.7.1 Work Areas
3.7.1.2 Work Areas	Describe known work areas that may be required for specific construction activities (i.e., pole assembly, hill side construction, etc.).	Section 3.7.1 Work Areas

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.1.2 Work Areas (cont.)	For each known work area, provide the area required (include length and width) and describe the types of activities that would be performed.	Section 3.7.1 Work Areas The approximate area, including length and width for the pole work areas and stringing sites, has been provided; however, the exact configuration of these workspaces will be determined based on site conditions during construction.
	Identify the approximate location of known work areas in the GIS database.	A CD containing the relevant GIS data, which includes the location of known work areas, has been submitted under separate cover as part of this PEA package. As described previously, the location of pole work areas, stringing sites, and access road turnarounds will be determined based on site conditions during construction; therefore, they are not included in the GIS database.
	Describe how the work areas would likely be accessed (e.g., construction vehicles, walk-in, helicopter, etc.).	Section 3.7.0 Access Section 3.7.1 Work Areas
	If any site preparation is likely required, generally describe what and how it would be accomplished.	Section 3.7.1 Work Areas
	Describe any grading activities and/or slope stabilization issues.	Section 3.7.1 Work Areas Section 3.7.3 Erosion and Sediment Control and Pollution Prevention Section 3.7.4 Methods
	Based on the information provided, describe how the site would be restored.	Section 3.7.4 Methods

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.1.3 Access Roads and/or Spur Roads	Describe the types of roads that would be used and/or would need to be created to implement the Proposed Project. Road types may include, but are not limited to: new permanent road; new temporary road; existing road that would have permanent improvements; existing road that would have temporary improvements; existing paved road; existing dirt/gravel road; and overland access.	Section 3.7.0 Access
	For road types that require preparation, describe the methods and equipment that would be used.	Section 3.7.4 Methods Attachment 3-C: Construction Equipment Summary
	Identify approximate location of all access roads (by type) in the GIS database.	A CD containing the relevant GIS data for the Proposed Project has been submitted under separate cover as part of this PEA package.
	Describe any grading activities and/or slope stabilization issues.	Section 3.7.1 Work Areas Section 3.7.3 Erosion and Sediment Control and Pollution Prevention Section 3.7.4 Methods
3.7.1.4 Helicopter Access	Identify which proposed poles/towers would be removed and/or installed using a helicopter.	Helicopters are not anticipated to be used during construction.
	If different types of helicopters are to be used, describe each type (e.g., light, heavy, or sky crane) and what activities they would be used for.	Helicopters are not anticipated to be used during construction.
	Provide information as to where the helicopters would be staged, where they would refuel, and where they would land within the Proposed Project site.	Helicopters are not anticipated to be used during construction.
	Describe any best management practices (BMPs) that would be employed to avoid impacts caused by use of helicopters, for example: air quality and noise considerations.	Helicopters are not anticipated to be used during construction.

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.1.4 Helicopter Access (cont.)	Describe flight paths, payloads, hours of operations for known locations, and work types.	Helicopters are not anticipated to be used during construction.
3.7.1.5 Vegetation Clearance	Describe the types of vegetation clearing that may be required (e.g., tree removal, brush removal, flammable fuels removal) and why (e.g., to provide access, etc.).	Section 3.7.1 Work Areas Section 3.7.2 Vegetation Removal and Trimming
	Identify the preliminary location and provide an approximate area of disturbance in the GIS database for each type of vegetation removal.	Section 3.7.1 Work Areas Section 3.7.2 Vegetation Removal and Trimming Section 3.7.3 Erosion and Sediment Control and Pollution Prevention Section 4.4.3 Impacts Table 4.4-6: Anticipated Impacts to Vegetation Communities A CD containing the relevant GIS data for the Proposed Project has been submitted under separate cover as part of this PEA package.
	Describe how each type of vegetation removal would be accomplished.	Section 3.7.2 Vegetation Removal and Trimming
	For removal of trees, distinguish between tree trimming as required under General Order 95 and tree removal.	Section 3.7.2 Vegetation Removal and Trimming Section 3.8.4 Tree Trimming
	Describe the types and approximate number and size of trees that may need to be removed.	Section 3.7.2 Vegetation Removal and Trimming
	Describe the type of equipment typically used.	Section 3.7.2 Vegetation Removal and Trimming

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.1.6 Erosion and Sediment Control and Pollution Prevention during Construction	Describe the areas of soil disturbance including estimated total areas and associated terrain type and slope. List all known permits required. For project sites of less than one acre, outline the BMPs that would be implemented to manage surface runoff. Things to consider include, but are not limited to: Erosion and sedimentation BMPs, vegetation removal and restoration, and/or hazardous waste, and spill prevention plans.	Section 3.7.1 Work Areas Section 3.7.3 Erosion and Sediment Control and Pollution Prevention Section 3.7.4 Methods Section 3.9 Anticipated Permits and Approvals Table 3-6: Anticipated Permits, Approvals, and Consultation Requirements
	Describe any grading activities and/or slope stabilization issues.	Section 3.7.1 Work Areas Section 3.7.4 Methods
	Describe how construction waste (i.e., refuse, spoils, trash, oil, fuels, poles, pole structures, etc.) would be disposed.	Section 3.7.3 Erosion and Sediment Control and Pollution Prevention Section 3.7.4 Methods Section 4.8.3 Impacts
3.7.1.7 Cleanup and Post-Construction Restoration	Describe how cleanup and post-construction restoration would be performed (i.e., personnel, equipment, and methods). Things to consider, but are not limited to, restoration of natural drainage patterns, wetlands, vegetation, and other disturbed areas (i.e., staging areas, access roads, etc.).	Section 3.7.4 Methods Section 4.4.3 Impacts Section 4.9.3 Impacts
3.7.2 Transmission Line Construction (Above Ground)		
3.7.2.1 Pull and Tension Sites	Provide the general or average distance between pull and tension sites.	Section 3.7.1 Work Areas

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.2.1 Pull and Tension Sites (cont.)	Provide the area of pull and tension sites including the estimated length and width.	Section 3.7.1 Work Areas The approximate area, including length and width for the stringing sites, has been provided; however, the exact configuration of these workspaces will be determined based on site conditions during construction.
	According to the preliminary plan, identify the number of pull and tension sites that would be required, and their locations. Provide the location information in GIS.	Section 3.7.1 Work Areas As described previously, the exact configuration of stringing sites will be determined based on site conditions during construction; therefore, they are not included in the GIS database.
	Describe the type of equipment that would be required at these sites.	Section 3.7.1 Work Areas Section 3.7.4 Methods Section 3.7.5 Equipment Attachment 3-C: Construction Equipment Summary
	If conductor is being replaced, describe how it would be removed from the site.	Section 3.7.4 Methods
3.7.2.2 Pole Installation and Removal	Describe how the construction crews and their equipment would be transported to and from the pole site locations. Provide vehicle type, number of vehicles, estimated number of trips, and hours of operation.	Section 3.7.5 Equipment
	Describe the process of removing the poles and foundations.	Section 3.7.4 Methods
	Describe what happens to the holes that the poles were in (i.e., reused or backfilled)?	Section 3.7.4 Methods

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.2.2 Pole Installation and Removal (cont.)	If the holes are to be backfilled, what type of fill would be used and where would it come from?	Section 3.7.4 Methods
	Describe any surface restoration that would occur at the pole sites.	Section 3.7.4 Methods
	Describe how the poles would be removed from the sites.	Section 3.7.4 Methods
	If topping is required to remove a portion of an existing transmission pole that would now only carry distribution lines, describe the methodology to access and remove the tops of these poles. Describe any special methods that would be required to top poles that may be difficult to access, etc.	No pole topping is anticipated for the Proposed Project.
	Describe the process of how the new poles/towers would be installed; specifically identify any special construction methods (e.g., helicopter installation) for specific locations or for different types of poles/towers.	Section 3.7.4 Methods
	Describe the types of equipment and their use as related to pole/tower installation.	Section 3.7.4 Methods Section 3.7.5 Equipment Attachment 3-C: Construction Equipment Summary
	Describe the actions taken to maintain a safe work environment during construction (e.g., covering of holes/excavation pits, etc.).	Section 3.5.4 Access Road Modifications Section 3.7.1 Work Areas Section 3.7.2 Vegetation Removal and Trimming Section 3.7.5 Equipment Section 3.10 Project Design Features and Ordinary Construction/Operating Restrictions
	Describe what would be done with soil that is removed from a hole/foundation site.	Section 3.7.4 Methods

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.2.2 Pole Installation and Removal (cont.)	For any foundations required, provide a description of the construction method(s), approximate average depth and diameter of excavation, approximate volume of soil to be excavated, approximate volume of concrete or other backfill required, etc.	Section 3.7.4 Methods
	Describe briefly how poles/towers and associated hardware are assembled.	Section 3.7.1 Work Areas
	Describe how the poles/towers and associated hardware would be delivered to the site; would they be assembled off-site and brought in or assembled on site?	Section 3.7.1 Work Areas Section 3.7.4 Methods
	Provide the following information about pole/tower installation and associated disturbance area estimates; pole diameter for each pole type (e.g., wood, self-supporting steel, lattice, etc.), base dimensions for each pole type, auger hole depth for each pole type, permanent footprint per pole/tower, number of poles/towers by pole type, average work area around poles/towers by pole type (e.g., for old pole removal and new pole installation), and total permanent footprint for poles/towers.	Section 3.5.1 Wood-to-Steel Conversion Section 3.7.1 Work Areas Section 3.7.4 Methods Table 3-1: Proposed Project Pole Summary (Approximate Values) Attachment 3-B: Typical Drawings
3.7.2.3 Conductor/Cable Installation	Provide a process-based description of how new conductor/cable would be installed and how old conductor/cable would be removed, if applicable.	Section 3.7.4 Methods
	Generally describe the conductor/cable splicing process.	Section 3.7.4 Methods
	If vaults are required, provide their dimensions and approximate location/spacing along the alignment.	No new vaults will be required. An existing vault for the underground to overhead conversion of the power line will be abandoned in place.
	Describe in what areas conductor/cable stringing/installation activities would occur.	Section 3.7.1 Work Areas

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.2.3 Conductor/Cable Installation (cont.)	Describe any safety precautions or areas where special methodology would be required (e.g., crossing roadways, stream crossing, etc.).	Section 3.7.1 Work Areas Section 3.7.4 Methods
3.7.3 Transmission Line Construction (Below Ground)		
3.7.3.1 Trenching	Describe the approximate dimensions of the trench (e.g., depth, width).	Section 3.5.2 Underground Distribution Line Intercepts Section 3.7.1 Work Areas Section 3.7.4 Methods
	Describe the methodology of making the trench (e.g., saw cutter to cut the pavement, backhoe to remove, etc.).	Section 3.7.4 Methods
	Provide the total approximate cubic yardage of material to be removed from the trench, the amount to be used as backfill and the amount to subsequently be removed/disposed of off-site.	Section 3.7.4 Methods
	Provide off-site disposal location, if known, or describe possible option(s).	No off-site disposal of excavated material is anticipated to be required.
	If engineered fill would be used as backfill, provide information as to the type of engineered backfill and the amount that would be typically used (e.g., top two feet would be filled with thermal-select backfill).	No engineered backfill is anticipated to be required.
	Describe if dewatering would be anticipated, if so, how the trench would be dewatered, what the anticipated flows of the water are, whether there would be treatment, and how the water would be disposed.	Section 3.7.4 Methods
	Describe the process for testing excavated soil or groundwater for the presence of pre-existing environmental contaminants that could be exposed as a result of trenching operations.	Section 3.10 Project Design Features and Ordinary Construction/Operating Restrictions Section 4.8 Hazards and Hazardous Materials
	If pre-existing hazardous waste was encountered, describe the process of removal and disposal.	Section 3.10 Project Design Features and Ordinary Construction/Operating Restrictions

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.3.1 Trenching (cont.)	Describe any standard BMPs that would be implemented.	Section 3.7.3 Erosion and Sediment Control and Pollution Prevention
3.7.3.2 Trenchless Techniques: Microtunnel, Bore and Jack, Horizontal Directional Drilling	Provide the approximate location of the sending and receiving pits.	No trenchless techniques are anticipated to be required.
	Provide the length, width and depth of the sending and receiving pits.	No trenchless techniques are anticipated to be required.
	Describe the methodology of excavating and shoring the pits.	No trenchless techniques are anticipated to be required.
	Describe the methodology of the trenchless technique.	No trenchless techniques are anticipated to be required.
	Provide the total cubic yardage of material to be removed from the pits, the amount to be used as backfill and the amount to subsequently be removed/disposed of off-site.	No trenchless techniques are anticipated to be required.
	Describe the process for safe handling of drilling mud and bore lubricants.	No trenchless techniques are anticipated to be required.
	Describe the process for detecting and avoiding “fracturing-out” during horizontal directional drilling operations.	No trenchless techniques are anticipated to be required.
	Describe the process for avoiding contact between drilling mud/lubricants and stream beds.	No trenchless techniques are anticipated to be required.
	If engineered fill would be used as backfill, provide information as to the type of engineered backfill and the amount that would be typically used (e.g., top two feet would be filled with thermal-select backfill).	No trenchless techniques are anticipated to be required.
	If dewatering is anticipated, describe how the pit would be dewatered, what the anticipated flows of the water are, whether there would be treatment, and how the water would be disposed.	No trenchless techniques are anticipated to be required.

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.3.2 Trenchless Techniques: Microtunnel, Bore and Jack, Horizontal Directional Drilling (cont.)	Describe the process for testing excavated soil or groundwater for the presence of pre-existing environmental contaminants.	No trenchless techniques are anticipated to be required.
	If a pre-existing hazardous waste was encountered, describe the process of removal and disposal.	No trenchless techniques are anticipated to be required.
	Describe any grading activities and/or slope stabilization issues.	No trenchless techniques are anticipated to be required.
	Describe any standard BMPs that would be implemented.	No trenchless techniques are anticipated to be required.
3.7.4 Substation Construction	Describe any earth-moving activities that would be required; what type of activity and, if applicable, estimate cubic yards of materials to be reused and/or removed from the site for both site grading and foundation excavation.	No substations will be constructed as part of the Proposed Project.
	Provide a conceptual landscape plan in consultation with the municipality in which the substation is located.	No substations will be constructed as part of the Proposed Project.
	Describe any grading activities and/or slope stabilization issues.	No substations will be constructed as part of the Proposed Project.
	Describe possible relocation of commercial or residential property, if any.	No substations will be constructed as part of the Proposed Project.
3.7.5 Construction Workforce and Equipment	Provide the estimated number of construction crew members.	Section 3.7.7 Personnel Table 3-5: Peak Construction Personnel
	Describe the crew deployment, whether crews would work concurrently (i.e., multiple crews at different sites), if they would be phased, etc.	Section 3.7.5 Equipment Section 3.7.6 Schedule Section 3.7.7 Personnel Table 3-4: Proposed Construction Schedule

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.7.5 Construction Workforce and Equipment (cont.)	Describe the different types of activities to be undertaken during construction, the number of crew members for each activity (i.e., trenching, grading, etc.), and the number and types of equipment expected to be used for said activity. Include a written description of the activity.	Section 3.7 Construction Section 3.7.4 Methods Section 3.7.7 Personnel Table 3-4: Proposed Construction Schedule Attachment 3-C: Construction Equipment Summary
	Provide a list of the types of equipment expected to be used during construction of the Proposed Project as well as a brief description of the use of the equipment.	Section 3.7.4 Methods Section 3.7.5 Equipment Attachment 3-C: Construction Equipment Summary
3.7.6 Construction Schedule	Provide a preliminary project construction schedule; include contingencies for weather, wildlife closure periods, etc.	Section 3.7.6 Schedule Table 3-4: Proposed Construction Schedule
3.8 Operation and Maintenance	Describe the general system monitoring and control (i.e., use of standard monitoring and protection equipment, use of circuit breakers and other line relay protection equipment, etc.).	Section 3.8 Operation and Maintenance
	Describe the general maintenance program of the Proposed Project including timing of inspections (i.e., monthly, every July, as needed), type of inspection (i.e., aerial inspection, ground inspection), and a description of how the inspection would be implemented. Things to consider: who/how many crew members, how would they access the site (i.e., walk to site, vehicle, all terrain vehicle), would new access be required, would restoration be required, etc.).	Section 3.8 Operation and Maintenance
	If additional full time staff would be required for operation and/or maintenance, provide the number of workers and for what purpose they are required.	No additional staff will be required for operation and/or maintenance.

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
3.9 Applicant-Proposed Measures (APMs)	If there are measures that the Applicant would propose to be part of the Proposed Project, include those measures and reference plans or implementation descriptions.	Section 3.10 Project Design Features and Ordinary Construction/Operating Restrictions Section 3.11 Applicant-Proposed Measures No APMs have been proposed.
Chapter 4 – Environmental Setting		
	For each resource area discussion within the PEA, include a description of the physical environment in the vicinity of the Proposed Project (e.g., topography, land use patterns, biological environment, etc.), including the local environment (site-specific) and regional environment.	The Existing Conditions section under each resource area provides a discussion of both the physical environment in the vicinity of the Proposed Project and the regulatory environment.
	For each resource area discussion within the PEA, include a description of the regulatory environment/context (federal, state, and local).	The Existing Conditions section under each resource area provides a discussion of both the physical environment in the vicinity of the Proposed Project and the regulatory environment.
Chapter 5 – Environmental Impact Assessment Summary		
5.1 Aesthetics	Provide visual simulations of prominent public view locations, including scenic highways, to demonstrate the views before and after project implementation. Additional simulations are highly recommended.	Attachment 4.1-B: Visual Simulations
5.2 Agriculture Resources	Identify the types of agricultural resources affected.	Section 4.2.3 Impacts
5.3 Air Quality	Provide supporting calculations/spreadsheets/technical reports that support emission estimates in the PEA.	Table 4.3-6: Peak Daily Construction Emissions Attachment 4.3-A: Air Quality Modeling Results

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
5.3 Air Quality (cont.)	Provide documentation of the location and types of sensitive receptors that could be impacted by the Project (e.g., schools, hospitals, houses, etc.). Critical distances to receptors is dependent on type of construction activity.	Section 4.3.2 Existing Conditions Section 4.3.3 Impacts
	Identify Proposed Project GHG emissions.	Section 4.7.3 Impacts Table 4.7-3: Proposed Project Greenhouse Gas Construction Emissions
	Quantify GHG emissions from a business as usual snapshot. That is, what the GHG emissions will be from the Proposed Project if no mitigations were used.	Section 4.7.3 Impacts
	Quantify GHG emission reductions from every APM that is implemented. The quantifications will be itemized and placed in tabular format.	Proposed Project emissions will be below the annual significance threshold set by the South Coast Air Quality Management District (SCAQMD) and the County of San Diego for industrial projects; therefore, mitigation will not be required. SDG&E’s Project Design Features and Ordinary Construction/Operating Restrictions will be implemented.
	Identify the net emissions of the Proposed Project after mitigation have been applied.	Section 4.3.3 Impacts Table 4.3-6: Peak Daily Construction Emissions
	Calculate and quantify GHG emissions (carbon dioxide equivalent) for the Proposed Project, including construction and operation.	Section 4.7.3 Impacts Table 4.7-3: Proposed Project Greenhouse Gas Construction Emissions
	Calculate and quantify the GHG reduction based on reduction measures proposed for the Proposed Project.	Proposed Project emissions will be below the annual significance threshold set by the SCAQMD and the County of San Diego for industrial projects and, therefore, mitigation will not be required.

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
5.3 Air Quality (cont.)	Propose APMs to implement and follow to maximize GHG reductions. If sufficient, CPUC will accept them without adding further mitigation measures.	Proposed Project emissions will be below the annual significance threshold set by the SCAQMD and the County of San Diego for industrial projects and, therefore, mitigation will not be required.
	Discuss programs already in place to reduce GHG emissions on a system-wide level. This includes the Applicant’s voluntary compliance with the U.S. Environmental Protection Agency (EPA) sulfur hexafluoride (SF ₆) reduction program, reductions from energy efficiency, demand response, long-term procurement plan, et.al.	Section 4.7.2 Existing Conditions Proposed Project emissions will be below the annual significance threshold set by the SCAQMD and the County of San Diego for industrial projects and, therefore, mitigation will not be required.
	Ensure that the assessment of air quality impacts is consistent with PEA Sections 3.7.5 and 3.7.6, as well as with the PEA’s analysis of impacts during construction, including traffic and all other emissions.	Section 4.3.3 Impacts Section 4.7.3 Impacts Table 4.3-6: Peak Daily Construction Emissions Table 4.7-3: Proposed Project Greenhouse Gas Construction Emissions Attachment 4.3-A: Air Quality Modeling Results
5.4 Biological Resources	Provide a copy of the Wetland Delineation and supporting documentation (i.e., data sheets). If verified, provide supporting documentation. Additionally, GIS data of the wetland features should be provided as well.	Attachment 4.9-A: Jurisdictional Delineation Report A CD containing the relevant GIS data for the Proposed Project has been submitted under separate cover as part of this PEA package.

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
5.4 Biological Resources (cont.)	Provide a copy of special-status surveys for wildlife, botanical and aquatic species, as applicable. Any GIS data documenting locations of special-status species should be provided.	Attachment 4.4-A: Biological Technical Report A CD containing the relevant GIS data for the Proposed Project has been submitted under separate cover as part of this PEA package.
5.5 Cultural Resources	Cultural Resources Report documenting a cultural resources investigation of the Proposed Project. This report should include a literature search, pedestrian survey, and Native American consultation.	The Cultural Resources Technical Report will be submitted under separate cover due to its confidential nature.
	Provide a copy of the records found in the literature search.	The Cultural Resources Technical Report will be submitted under separate cover due to its confidential nature.
	Provide a copy of all letters and documentation of Native American consultation.	Attachment 4.5-A: NAHC Correspondence
5.6 Geology, Soils, and Seismic Potential	Provide a copy of the geotechnical investigation if completed, including known and potential geologic hazards such as ground shaking, subsidence, liquefaction, etc.	Attachment 4.6-A: Geotechnical Investigation
5.7 Hazards and Hazardous Materials	Include an Environmental Data Resources (EDR) report.	Attachment 4.8-A: EDR DataMap Corridor Study
	Include a Hazardous Substance Control and Emergency Response Plan, if required.	A Hazardous Substance Control and Emergency Response Plan is not required as part of the Proposed Project.
	Include a Health and Safety Plan, if required.	A Health and Safety Plan is not required as part of the Proposed Project.
	Describe the Worker Environmental Awareness Program.	Section 3.10 Project Design Features and Ordinary Construction/Operating Restrictions

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
5.7 Hazards and Hazardous Materials (cont.)	Describe which chemicals would be used during construction and operation of the Proposed Project. For example, fuels for construction, naphthalene to treat wood poles before installation, etc.	Section 4.8.3 Impacts Table 4.8-1: Hazardous Materials Typically Used During Construction
5.8 Hydrology and Water Quality	Describe impacts to groundwater quality including increased runoff due to construction of impermeable surfaces, etc.	Section 4.9.3 Impacts
	Describe impacts to surface water quality including the potential for accelerated soil erosion, downstream sedimentation, and reduced surface water quality.	Section 4.9.3 Impacts
5.9 Land Use and Planning	Provide GIS data of all parcels within 300 feet of the Proposed Project with the following data: assessor's parcel number (APN) number, mailing address, and parcel's physical address.	The property owner information has been submitted under separate cover due to its confidential nature.
5.10 Mineral Resources	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	Not Applicable (NA)
5.11 Noise	Provide long-term noise estimates for operational noise (e.g., corona discharge noise, and station sources such as substations, etc.).	Section 4.12.3 Impacts
5.12 Population and Housing	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	NA
5.13 Public Services	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	NA
5.14 Recreation	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	NA
5.15 Transportation and Traffic	Discuss traffic impacts resulting from construction of the Proposed Project including ongoing maintenance operations.	Section 4.16.3 Impacts

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
5.15 Transportation and Traffic (cont.)	Provide a preliminary description of the traffic management plan that would be implemented during construction of the Proposed Project.	Encroachment permits from state and local jurisdictional agencies will provide guidance on required traffic management measures. It is expected that a Proposed Project-specific traffic control permit will also be required.
5.16 Utilities and Services Systems	Describe how treated wood poles would be disposed of after removal, if applicable.	Section 3.7.4 Methods Section 4.17.3 Impacts
5.17 Cumulative Analysis	Provide a list of projects (i.e., past, present, and reasonably foreseeable future projects) within the Proposed Project area that the applicant is involved in.	Table 4.18-1: Planned and Proposed Projects within One Mile
	Provide a list of projects that have the potential to be proximate in space and time to the Proposed Project. Agencies to be contacted include, but are not limited to, the local planning agency, Caltrans, etc.	Table 4.18-1: Planned and Proposed Projects within One Mile
5.18 Growth-Inducing Impacts, If Significant	Provide information on the Proposed Project’s growth-inducing impacts, if any.	Section 5.3 Growth-Inducing Impacts
	Provide information on any economic or population growth in the surrounding environment that will, directly or indirectly, result from the Proposed Project.	Section 4.13.3 Impacts Section 5.3 Growth-Inducing Impacts
	Provide information on any increase in population that could further tax existing community service facilities (e.g., schools, hospitals, fire, police, etc.), that will directly or indirectly result from the Proposed Project.	Section 4.14.3 Impacts
	Provide information on any obstacles to population growth that the Proposed Project would remove.	Section 4.13.3 Impacts Section 5.3 Growth-Inducing Impacts
	Describe any other activities, directly or indirectly encouraged or facilitated by the Proposed Project that would cause population growth that could significantly affect the environment, either individually or cumulatively.	Section 4.13.3 Impacts Section 5.3 Growth-Inducing Impacts

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
Chapter 6 – Detailed Discussion of Significant Impacts		
6.1 Mitigation Measures Proposed to Minimize Significant Effects	Discuss each mitigation measure and the basis for selecting a particular mitigation measure should be stated.	There are no significant impacts, and no mitigation measures have been proposed.
6.2 Description of Project Alternatives and Impact Analysis	Provide a summary of the alternatives considered that would meet most of the objectives of the Proposed Project and an explanation as to why they were not chosen as the Proposed Project.	Section 5.2 Description of Project Alternatives and Impact Analysis
	Alternatives considered and described by the Applicant should include, as appropriate, system or facility alternatives, route alternatives, route variations, and alternative locations.	Section 5.2 Description of Project Alternatives and Impact Analysis
	Include a description of a “No Project Alternative” should be included.	Section 5.2.3 No Project Alternative
	If significant environmental effects are assessed, the discussion of alternatives shall include alternatives capable of substantially reducing or eliminating any said significant environmental effects, even if the alternative(s) substantially impede the attainment of the Proposed Project objectives and are more costly.	No significant environmental effects are anticipated with implementation of the Project Design Features and Ordinary Construction/Operating Restrictions.
6.3 Growth-Inducing Impacts	Discuss if the Proposed Project would foster economic or population growth, either directly or indirectly, in the surrounding environment.	Section 4.13.3 Impacts Section 5.3 Growth-Inducing Impacts
	Discuss if the Proposed Project would cause an increase in population that could further tax existing community services (e.g., schools, hospitals, fire, police, etc.).	Section 4.13.3 Impacts Section 5.3 Growth-Inducing Impacts
	Discuss if the Proposed Project would remove obstacles to population growth.	Section 4.13.3 Impacts Section 5.3 Growth-Inducing Impacts

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
<p>6.3 Growth-Inducing Impacts (cont.)</p>	<p>Discuss if the Proposed Project would encourage and facilitate other activities that would cause population growth that could significantly affect the environment, either individually or cumulatively.</p>	<p>Section 4.13.3 Impacts Section 5.3 Growth-Inducing Impacts</p>
<p>6.4 Suggested APMs to address GHG Emissions</p>	<p>Include a menu of suggested APMs that applicants can consider to address GHG emissions. Suggested APMs include, but are not limited to:</p> <ol style="list-style-type: none"> 1. If suitable park-and-ride facilities are available in the Project vicinity, construction workers will be encouraged to carpool to the job site to the extent feasible. The ability to develop an effective carpool program for the Proposed Project would depend upon the proximity of carpool facilities to the job site, the geographical commute departure points of construction workers, and the extent to which carpooling would not adversely affect worker show-up time and the Project’s construction schedule. 2. To the extent feasible, unnecessary construction vehicle and idling time will be minimized. The ability to limit construction vehicle idling time is dependent upon the sequence of construction activities and when and where vehicles are needed or staged. Certain vehicles, such as large diesel powered vehicles, have extended warm-up. To the extent feasible, unnecessary construction vehicle and idling time will be minimized. The ability to limit construction vehicle idling time is dependent upon the sequence of construction activities and when and where 	<p>Proposed Project emissions will be below the annual significance threshold set by the SCAQMD and the County of San Diego for industrial projects and, therefore, mitigation will not be required.</p>

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
<p>6.4 Suggested APMs to address GHG Emissions (cont.)</p>	<p>vehicles are needed or staged. Certain vehicles, such as large diesel powered vehicles, have extended warm-up times following start-up that limit their availability for use following startup. Where such diesel powered vehicles are required for repetitive construction tasks, these vehicles may require more idling time. The Proposed Project will apply a “common sense” approach to vehicle use; if a vehicle is not required for use immediately or continuously for construction activities, its engine will be shut off. Construction foremen will include briefings to crews on vehicle use as part of pre-construction conferences. Those briefings will include discussion of a “common sense” approach to vehicle use.</p> <ol style="list-style-type: none"> 3. Use low-emission construction equipment. Maintain construction equipment per manufacturing specifications and use low-emission equipment described here. All offroad construction diesel engines not registered under the California Air Resources Board (CARB) Statewide Portable Equipment Registration Program shall meet at a minimum the Tier 2 California Emission Standards for Off-Road Compression-Ignition Engines as specified in California Code of Regulations, Title 13, Sec. 2423(b)(1). 4. Diesel Anti-Idling: In July 2004, the CARB adopted a measure to limit diesel-fueled commercial motor vehicle idling. 5. Alternative Fuels: CARB would develop regulations to require the use of one to four percent biodiesel displacement of California diesel fuel. 6. Alternative Fuels: Ethanol, increased use of ethanol fuel 7. Green Buildings Initiative. 8. Facility wide energy efficiency audit. 	<p>Proposed Project emissions will be below the annual significance threshold set by the SCAQMD and the County of San Diego for industrial projects and, therefore, mitigation will not be required.</p>

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
<p>6.4 Suggested APMs to address GHG Emissions (cont.)</p>	<p>9. Complete GHG emissions audit. The audit will include a review of the GHG emitted from those facilities (substations), including carbon dioxide, methane, chlorofluorocarbon, and hydrochlorofluorocarbon compounds (SF₆).</p> <p>10. There is an EPA approved SF₆ emissions protocol.</p> <p>11. SF₆ program wide inventory. For substations, keep inventory of leakage rates.</p> <p>12. Increase replacement of breakers once leakage rates exceed one percent within 30 days of detection.</p> <p>13. Increased investment in current programs that can be verified as being in addition to what the utility is already doing.</p> <p>The SF₆ Emission Reduction Partnership for the Electric Power Systems was launched in 1999 and currently includes 57 electric utilities and local governments across the U.S. of applications, including that of dielectric insulating material in electrical transmission and distribution equipment, such as circuit breakers. Electric power systems that join the Partnership must, within 18 months, establish an emission reduction goal reflecting technically and economically feasible opportunities within their company. They also agree to, within the constraints of economic and technical feasibility, estimate their emissions of SF₆, establish a strategy for replacing older, leakier pieces of equipment, implement SF₆ recycling, establish and apply proper handling techniques, and report annual emissions to the EPA. The EPA works as a clearinghouse for technical information, works to obtain commitments from all electric power system operators and will be sponsoring an international conference in 2000 on SF₆ emission reductions.</p>	<p>Proposed Project emissions will be below the annual significance threshold set by the SCAQMD and the County of San Diego for industrial projects and, therefore, mitigation will not be required.</p>

Location in CPUC Checklist	Checklist Item	Location in PEA and Any Associated Notes
6.4 Suggested APMs to address GHG Emissions (cont.)	14. Quantify what comes into the system and track programmatically SF ₆ . 15. Applicant can propose other GHG reducing mitigations.	Proposed Project emissions will be below the annual significance threshold set by the SCAQMD and the County of San Diego for industrial projects and, therefore, mitigation will not be required.
Chapter 7: Other Process-Related Data Needs		
Noticing	Include an excel spreadsheet that identifies all parcels within 300 feet of any Proposed Project component with the following data: APN number, owner mailing address, and parcels physical address.	The property owner information has been submitted under separate cover due to its confidential nature.