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1.0 PEA SUMMARY

In accordance with the 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 (PTC) for the Artesian 230kV Substation Expansion Project (Proposed Project)¹.

As discussed in more detail below, the overall purpose of the Proposed Project is to avoid identified North American Electric Reliability Corporation (NERC) Category P1 thermal violations and relieve existing congestion on the 69kV system out of the Sycamore Canyon Substation.

This PEA Summary briefly describes the location and primary components of the Proposed Project, the Proposed Project objectives and range of alternatives considered, the PEA contents, the major conclusions of the PEA, SDG&E's public outreach and government agency consultation efforts, areas of controversy, and issues to be resolved. As discussed below, in light of the existing environmental baseline, standard operating procedures and Applicant Proposed Measures (APMs) incorporated into the Proposed Project, no significant, unavoidable adverse environmental impacts have been identified.

1.1 PROJECT LOCATION

The Proposed Project components are located in the western portion of San Diego County, with elements within both the City and unincorporated County of San Diego, California. The Proposed Project (69kV reconductor) route (approximately 2.2 miles) traverses both developed residential and commercial areas. The Proposed Project would involve facilities located within existing ROW, franchise position (city/county roadways), and SDG&E fee-owned property.

1.2 PROPOSED PROJECT COMPONENTS

The Proposed Project includes the following main components:

- Within SDG&E's existing property, expand and rebuild the Artesian Substation to include a new 230kV substation yard and additional 69kV connections;
- Minor modifications at the existing Bernardo and Rancho Carmel Substations within the existing footprints;

¹ The Proposed Project was identified, approved and is included in the CAISO 2013 - 2014 Transmission Planning Process (TPP).

- Loop in existing 230kV TL 23051 into the new 230kV substation yard at Artesian Substation.
- Reconductor an existing double-circuit 69kV power line located between the Artesian and Bernardo Substations, including the replacement of existing wood pole structures with new steel pole structures as needed, and removal of certain existing pole structures from service.

Each of these Proposed Project components is discussed in detail within the following sections and in PEA Section 3.0, Proposed Project Description.

1.2.1 Artesian 230kV Substation Expansion

The Proposed Project includes the expansion and rebuilding of the existing Artesian Substation into a new combined 230/69/12kV transmission and distribution substation. The expanded Artesian Substation will be located on existing SDG&E property. The Proposed Project will include a new 230kV source (new connection to existing 230kV transmission line TL23051, that is located immediately west of the Artesian Substation site) and one new 230/69kV transformer. The expanded 69/12kV yard will include two new 69kV power line connections in addition to the two, existing 69kV power line connections. The Substation will remain an air insulated substation.

1.2.2 69kV System Upgrades and Getaways

The Proposed Project will result in the following 69kV power line sub-components:

- Construct new underground getaways at the Artesian and Bernardo Substations;
- Install five (5) new cable poles (3 at Artesian and 2 at Bernardo); and
- Reconductor an existing double-circuit overhead 69kV power line between the Artesian and Bernardo Substations (including replacement of approximately 14 existing wood pole structures with new steel structures).

1.2.3 Other System Upgrades

Distribution Lines

The Proposed Project will include minor distribution line upgrades at the Artesian Substation and along Rancho Bernardo Road (between pole structures P07 and P08), as further described in PEA Section 3.0. The minor distribution line upgrades will shift existing distribution lines from an overhead to underground position.

Other Substation Modifications

Minor modifications are also required at the existing Bernardo and Rancho Carmel Substations. Specifically, the following activities will be required:

1. At the Bernardo Substation, approximately 150 feet of new trenching and installation of a new 6-inch duct package will be required inside the substation footprint to accommodate the undergrounding of the TL6939 and TL6974 power line getaways. The existing 1200A

disconnects will be replaced with new 2000A disconnects and existing relaying will also be upgraded, as required.

2. At the Rancho Carmel Substation, the existing 1200A line and bus disconnects will be replaced with new 2000A disconnects and existing relaying will be upgraded, as required. The 69kV bus tie breaker and its respective disconnects will be replaced with 2000A equipment.

1.3 PROJECT NEED AND RANGE OF ALTERNATIVES CONSIDERED

The Proposed Project has been developed by SDG&E in order to achieve the following project objectives (see Section 2.0, Proposed Project Purpose and Need):

1. Meet mandatory NERC reliability criteria and mitigate existing NERC thermal violations identified in the Poway Area Load Pocket;
2. Alleviate existing 69kV congestion at the Sycamore Canyon 230/138/69kV Substation;
3. Locate proposed facilities within existing transmission corridors, SDG&E ROW, and utility-owned property.

Section 5.2, Description of Project Alternatives to Minimize Significant Effects, outlines four alternatives to the Proposed Project, including a no project alternative and various system alternatives. Some of these alternatives could meet the majority of the Proposed Project Objectives; however, they would result in increased and/or more severe adverse environmental effects. Specifically, SDG&E considered the following alternatives to the Proposed Project:

- No Project Alternative
- Alternative 1 - New Sycamore Canyon to Pomerado 69kV Power Line Alternative
- Alternative 2 - Artesian 230kV Gas Insulated Substation Alternative
- Alternative 3 - Chicarita 69kV Substation Conversion Alternative

With the exception of the No Project Alternative, all alternatives would avoid the identified NERC Category P1 thermal violations (Objective No. 1). However, Alternatives 1 and 3 would not fully achieve Objective No. 2 (relieve 69kV congestion at Sycamore Canyon Substation), and Alternative No. 1 would not achieve Objective No. 3 as new ROW would be required.

1.4 PROPONENT'S ENVIRONMENTAL ASSESSMENT CONTENTS

1.4.1 PEA Part A

Part A of this PEA was prepared in accordance with the CPUC's PEA Checklist for Transmission Line, Power Line and Substation Projects (October 7, 2008) issued by the CPUC and is divided into five sections.

Section 1 - PEA Summary. Section 1.0 discusses the conclusions and content of the PEA sections, and contains information on SDG&E's coordination efforts with the public and other governmental and regulatory agencies.

Section 2 - Proposed Project Purpose and Need. Section 2.0 outlines the purpose and need for the Proposed Project, including the Proposed Project Objectives.

Section 3 - Proposed Project Description. Section 3.0 describes the whole of the Proposed Project, including construction, operation, and maintenance. The Project Description includes a detailed description of construction methods, construction schedule, existing facilities, proposed facilities, and anticipated permit requirements.

Section 4 - Description and Evaluation of Alternatives. Section 4 includes a description of alternative actions considered in place of the Proposed Project. The alternative actions are also evaluated with respect to the Project Objectives and compared to the Proposed Project in terms potential reduction of adverse effects on the environment.

Section 5 - Environmental Impact Assessment. Section 5 includes a discussion of the existing conditions and potential and anticipated impacts for the following resource areas:

- Section 5.1 - Aesthetics
- Section 5.2 - Agricultural and Forestry Resources
- Section 5.3 - Air Quality
- Section 5.4 - Biological Resources
- Section 5.5 - Cultural Resources
- Section 5.6 - Geology and Soils
- Section 5.7 - Greenhouse Gases
- Section 5.8 - Hazards and Hazardous Materials
- Section 5.9 - Hydrology and Water Quality
- Section 5.10 - Land Use and Planning
- Section 5.11 - Mineral Resources
- Section 5.12 - Noise
- Section 5.13 - Population and Housing
- Section 5.14 - Public Services
- Section 5.15 - Recreation
- Section 5.16 - Transportation and Traffic
- Section 5.17 - Utilities and Service Systems

Section 5 also includes an assessment of potential cumulative impacts that could occur as a result of impacts from the Proposed Project contributing to cumulatively considerable adverse effects when analyzed with respect to other reasonably foreseeable projects (see PEA Section 5.18).

Section 6 - Detailed Discussion of Significant and Growth-Inducing Impacts. Section 6 describes significant, unavoidable impacts as well as any anticipated impacts relating to growth-inducement.

Throughout the PEA sections and appendices, SDG&E has provided specific information to address the items outlined within the PEA Checklist. Table 1-1, PEA Checklist Key Table, provides the specific location within the PEA and appendices of all data provided to meet the requirements of the PEA Checklist.

1.4.2 PEA Part B (Technical Appendices)

Part B of this PEA contains technical appendices in support of Sections 1 through 6 as well as other items required by the CPUC PEA Checklist and General Order 131-D. Specifically, Part B of the PEA includes the following documents:

- Appendix 1-A: Proposed Project Geographic Information System (GIS) Data (**CONFIDENTIAL**)
- Appendix 1-B: Water Availability Letter
- Appendix 3-A: Existing and Proposed Preliminary Substation Design and Grading (**PARTIALLY CONFIDENTIAL**)
- Appendix 3-B: Proposed Project Detailed Route Map
- Appendix 3-C: Typical Structure Diagrams and Photographs
- Appendix 3-D: Proposed Project Structure Detail Table
- Appendix 3-E: Proposed Project ROW Map
- Appendix 3-F: Project Detailed Construction Schedule and Equipment Tables
- Appendix 5.3-A: Air Quality Construction Emissions Calculations
- Appendix 5.4-A: Biological Technical Report
- Appendix 5.4-B: SDG&E Subregional NCCP Operational Protocols
- Appendix 5.4-C: SDG&E Low-Effect Habitat Conservation Plan for Quino Checkerspot
- Appendix 5.5-A: Archaeological Survey Report Artesian 230 kV Substation Project, San Diego County, California (**CONFIDENTIAL**)
- Appendix 5.5-B: Paleontological Resources Record Search (**CONFIDENTIAL**)
- Appendix 5.6-A: Geotechnical Investigation – Artesian Substation Expansion (**PARTIALLY CONFIDENTIAL**)
- Appendix 5.7-A: SF₆ Emissions Calculations
- Appendix 5.8-A: EDR Radius Report
- Appendix 5.9-A: SDG&E Best Management Practices for Water Quality Construction
- Appendix 5.12-A: Project Noise Analysis: Artesian Substation

1.4.3 Other PEA Requirements

Geographic Information System (GIS) data for all project features, structures, and resource locations has been provided within Appendix 1-A, Proposed Project GIS Data. Parcel and mailing data for properties within 300 feet of the Proposed Project are included as Appendix C.2 of the PTC Application (Volume I of II).

1.5 MAJOR PEA CONCLUSIONS

As discussed throughout the PEA, the Proposed Project involves the expansion of the Artesian Substation to include a new 230kV yard and an expanded 69/12kV yard, as well as 69kV system upgrades and minor modifications to the existing distribution line system at and near Artesian as well as minor modifications at the existing Bernardo and Rancho Carmel Substations. The proposed new and upgraded facilities included within the Proposed Project would be located on or entirely within existing SDG&E ROW, SDG&E-owned property, and City and County of San Diego franchise position (public streets). The existing electric transmission, power, distribution and substation facilities constitute the existing setting and baseline from which the potential impacts of the Proposed Project were analyzed.

1.5.1 Resource Areas with No Impact or Less than Significant Impacts

The PEA analyzes the potential environmental impacts associated with construction, operation and maintenance of the Proposed Project. Fourteen resource areas are not anticipated to have adverse environmental impacts or would experience only less than significant adverse impacts due to the Proposed Project. The resource areas are:

- Aesthetics,
- Agriculture and Forestry Resources,
- Air Quality,
- Geology and Soils,
- Greenhouse Gases,
- Hazards and Hazardous Materials,
- Hydrology and Water Quality,
- Land Use and Planning,
- Mineral Resources,
- Population and Housing,
- Public Services,
- Recreation,
- Transportation and Traffic, and
- Utilities and Service Systems.

1.5.2 Resource Areas Requiring Applicant Proposed Measures

In addition, the following three resource areas could result in potentially significant impacts that can be reduced to a less than significant level with the incorporation of APMs (see Table 3-12, Applicant Proposed Measures by Resource Area, and Table 3-13, Applicant Proposed Measures):

- Biological Resources,
- Cultural Resources, and
- Noise.

The impacts that would be less than significant with incorporation of APMs are discussed below, by resource area.

1.5.2.1 Biological Resources

Potential impacts to sensitive biological resources would be reduced to a level less than significant through implementation of APMs BIO-1 through BIO-7. These APMs will reduce the potential for adverse effects on biological resources through pre-construction surveys, construction monitoring, worker training, and mitigation for impacts to habitat.

1.5.2.2 Cultural Resources

Potential impacts relating to cultural and paleontological resources would be reduced to a level less than significant through implementation of APMs CUL-1 through CUL-9. These APMs will reduce the potential for significant adverse impacts to cultural and paleontological resources through training contractors and subcontractors on appropriate work practices, monitoring by a qualified archaeologist and paleontologist, establishing approved work areas for personnel, and appropriate cataloguing and reporting upon discovery of any cultural or paleontological resources.

1.5.2.3 Noise

Potential impacts related to construction noise in the vicinity of sensitive noise receptors would be reduced to a less than significant level through the implementation of APM Noise-1. APM Noise-1 will require SDG&E to meet and confer with the City and/or County of San Diego where construction noise is anticipated to exceed prescribed limits within the applicable noise ordinance.

1.5.3 Significant, Unavoidable Impacts

No significant, unavoidable adverse impacts were identified during the preparation of the PEA (refer to PEA sections 5.1 through 5.18).

1.6 PUBLIC OUTREACH EFFORTS

To date, SDG&E has not conducted public outreach activities concerning the Proposed Project. SDG&E’s objective is to ensure that information about permitting, approval and construction activities for the Project are disseminated on a timely and regular basis.

SDG&E’s potential outreach activities for this Project include, but are not limited to:

- Conduct briefings with elected officials and key stakeholders within the Proposed Project’s boundaries;
- Proactively identify opportunities that showcase SDG&E’s efforts to fulfill commitments in providing safe and reliable energy, demonstrate progress in project construction activities and demonstrate project benefits to consumers;
- Ensure that residents and businesses that could be impacted by the Proposed Project construction are informed on the status of work in their communities and that their concerns are addressed by SDG&E;
- Ensure project construction moves forward in a timely manner and community concerns and needs are addressed in construction schedules;
- Proactively address potential construction impacts and seek to minimize them; and
- Continue to keep elected officials, residents and stakeholders informed throughout permitting and construction processes.

1.7 INTER-AGENCY AND OTHER CONSULTATIONS

To date, SDG&E has coordinated with the following agencies regarding the proposed Artesian 230kV Substation Expansion Project:

- City of San Diego, and
- Olivenhain Municipal Water District.

A summary of the meetings and coordination with each of these agencies is contained below.

City of San Diego

On July 8, 2015, SDG&E representatives met with the City of San Diego Development Services office to discuss the scope of the Artesian 230kV Substation Expansion project. Bob Vacchi, Director, and Greg Hopkins, Deputy Director, were both in attendance from the City. The discussion included an overview of the Proposed Project, noise impacts, overall civil plans and landscaping, and other topics. It was decided that SDG&E would keep the City updated on the progress of the Proposed Project on an as-needed basis.

On July 21, 2015, SDG&E representatives met with the City of San Diego’s engineering department to discuss potential noise impacts and ordinances applicable to the Proposed Project boundary. Tony Khalil, Deputy City Engineer, was in attendance from the City. The discussion included an overview of the Proposed Project, proximity to sensitive noise receptors, work hours, anticipated noise levels, and applicable ordinances.

Olivenhain Municipal Water District

SDG&E coordinated with the Olivenhain Municipal Water District (MWD) to obtain verification of available supplies of tertiary-treated recycled water and potable water for use during construction of the Proposed Project beginning in 2018. SDG&E originally contacted Olivenhain MWD on June 18, 2015 to determine where along the project alignment recycled water could be supplied. The SDG&E Artesian Project Manager met with Olivenhain MWD management staff on August 21, 2015. On September 21, 2015, SDG&E representatives met with George Briest, (Engineering Manager) and Cari Dale, (Operations Manager). The discussion included an overview of the project, construction schedule, and anticipated water needs. Olivenhain agreed to provide a Water Availability Letter, which is included as part of this PEA as Appendix 1-A. SDG&E conducted a follow-up meeting with field staff on October 22nd 2015 to verify field locations of recycled water hydrants that could serve the project. Confirmation from Olivenhain MWD that the district could supply the Proposed Project with recycled water was made on March 15, 2016.

1.7.1 Project Support

The CAISO identified and approved the Proposed Project as part of the 2013 - 2014 Transmission Planning Process (TPP), and the Proposed Project is listed in the 2013-2014 Transmission Plan.

1.7.2 Project Opposition

To date, SDG&E has not received any written statements of opposition to the Proposed Project. SDG&E will continue to consult with local agencies and stakeholders and will forward to the CPUC any written statements of opposition received.

1.8 AREAS OF CONTROVERSY

To date, SDG&E has not identified any areas of controversy regarding the Proposed Project.

1.9 ISSUES TO BE RESOLVED

To date, no substantial issues remain unresolved.

Table 1-1: PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
Chapter 1: PEA Summary		
	Include major conclusions of the PEA.	Section 1.5 – Major PEA Conclusions
	List any areas of controversy.	Section 1.8 – Areas of Controversy
	Identify any major issues that must be resolved, including the choice among reasonably feasible alternatives and mitigation measures, if any.	Section 1.9 – Issues to be Resolved
	Include a description of inter-agency coordination if any.	Section 1.7 – Inter-Agency and Other Consultations
	Include a description of public outreach efforts, if any.	Section 1.6 – Public Outreach Efforts
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 – Proposed Project Purpose and Need
	Explain the objective(s) and/or purpose and need for implementing the Proposed Project.	Section 2.0 – Proposed Project Purpose and Need
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 CEQA alternatives screening process.	Section 2.0 – Proposed Project Purpose and Need

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
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 Vicinity Map Figure 3-2: Project Overview 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 5.10 – Land Use and Planning Figure 5.10-1: Designated and Existing Land Uses in the Proposed Project Area
	Determine whether the Proposed Project is located within an existing property owned by the Applicant, traverses existing ROWs, or requires new ROWs. 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 3.1 – Project Location Section 3.5.9 – Temporary Right-of-Way Section 3.7.1 – Permanent Land and Right-of-Way Requirements
3.2 Existing System	Describe the local system to which the Proposed Project relates.	Section 2.0 – Proposed Project Purpose and Need Section 3.2 – Existing System Figure 3-4: System Diagram
	Provide a schematic diagram and map of the existing system.	Figure 2-1: Poway Area Load Pocket Existing System Figure 3-4: System Configuration
	Provide a schematic diagram that illustrates the system as it would be configured with the implementation of the Proposed Project.	Appendix 3-A: Preliminary Substation Design and Grading (note that portions of this appendix are CONFIDENTIAL) Appendix 3-B: Detailed Route Map Figure 3-4: System Configuration

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.3 Project Objectives	Project Objectives	Section 2.0 – Proposed Project Purpose and Need Section 3.3 – Project Objectives
3.4 Proposed Project	Describe the Proposed Project. Is it an upgrade, a new line, new substations, etc.?	Section 3.4 – Proposed Project
	Describe how the Proposed Project fits into the regional system. Does it create a loop for reliability, etc.?	Section 2.0 – Proposed Project Purpose and Need Section 3.4 – Proposed Project
	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 (MW). If the Proposed Project does not increase capacity, state that.	Section 2.0 – Proposed Project Purpose and Need Section 3.4 – Proposed Project
	Provide 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.	Appendix 1-A – Project Geographic Information System (GIS) Data (CONFIDENTIAL)
3.5 Project Components 3.5.1 Transmission Line	Describe what type of line exists and what type of line is proposed.	Section 3.5.1 – Transmission Lines
	Identify the length of the upgraded alignment, the new alignment, etc.	Section 3.5.1 – Transmission Lines Table 3-1 – Transmission, Distribution, and Power Line Components

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.5 Project Components 3.5.1 Transmission Line	Describe whether construction would require one-for-one pole replacement, new poles, steel poles, etc.?	Section 3.5.1 – Transmission Lines Section 3.5.2 – Poles/Towers Table 3-3: Transmission, Distribution, and Power Line Structures Appendix 3-B: Detailed Route Map
	Describe what would happen to other lines and utilities that may be collocated on the poles to be replaced (e.g., distribution, communication, etc.).	Section 3.5.1 – Transmission Lines
3.5.2 Poles/Towers	Provide information for each pole/tower that would be installed and for each pole/tower that would be removed.	Table 3-2: Typical Pole Metrics Table 3-3: Transmission, Distribution, and Power Line Structures Appendix 3-B: Detailed Route Map Appendix 3-C: Typical Structure Diagrams Appendix 3-D: Pole Detail Table
	Describe any specialty poles or towers; note where they would be used; make sure to note if any guying would likely be required across a road.	Section 3.5.2 – Poles/Towers Appendix 3-B: Detailed Route Map Appendix 3-C: Typical Structure Diagrams Appendix 3-D: Structure Detail Table
	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.	Table 3-2: Typical Pole Metrics (Table Note 3)
	Describe any special pole types and any special features.	Section 3.5.2 – Poles/Towers Appendix 3-B: Detailed Route Map Appendix 3-C: Typical Structure Diagrams Appendix 3-D: Structure Detail Table

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.5.3 Conductor/Cable 3.5.3.1 Above-Ground Installation	Describe the type of line to be installed on the poles/tower.	Section 3.5.3 – Conductor/Cable
	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 3.5.3 – Conductor/Cable Appendix 3-C: Typical Structure Diagrams Appendix 3-D: Structure Detail Table
	Provide the size and type of conductor and insulator configuration.	Section 3.5.3 – Conductor/Cable Appendix 3-C: Typical Structure Diagrams Appendix 3-D: Structure Detail Table
3.5.3.1 Above-Ground Installation	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 3.5.3.1 – Above Ground Installation
	Provide the approximate span lengths between poles or towers, note where different if distribution is present or not if relevant.	Section 3.5.3.1 – Above Ground Installation
	Determine whether other infrastructure would likely be collocated with the conductor; if so, provide conduit diameter of other infrastructure.	Section 3.5.3 – Conductor/Cable
3.5.3.2 Below Ground Installation	Describe the type of line to be installed.	Section 3.5.3.2 – Below Ground Installation
	Describe the type of casing the cable would be installed in; provide the dimensions of the casing.	Section 3.5.3.2 – Below Ground Installation Appendix 3-C: Typical Structure Diagrams
	Provide an engineering 'typical' drawing of the duct bank and describe what types of infrastructure would likely be installed within the duct bank.	Appendix 3-C: Typical Structure Diagrams

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.5.4 Substations	Provide “typical” plan and profile views of the proposed substation and the existing substation if applicable.	Appendix 3-A: Preliminary Substation Design and Grading (note that portions of this appendix are CONFIDENTIAL)
	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.	Section 3.5.4 - Substations
	Provide the approximate or “typical” dimensions (width and height) of new structures including engineering and design standards that apply.	Section 3.5.4 - Substations Appendix 3-A: Preliminary Substation Design and Grading (note that portions of this appendix are CONFIDENTIAL) Section 5.6 – Geology and Soils
	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?	Section 3.5.4 - Substations
	Describe the electrical need area served by the distribution substation.	Section 2.0 – Proposed Project Purpose and Need Section 3.5.4 - Substations
3.6 Right-of-Way Requirements	Describe the ROW location, ownership, and width. Would the existing ROW be used or would a new ROW be required?	3.6 – 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).	Not Applicable – no property acquisition is required.
	List the properties likely to require acquisition.	Not Applicable – no property acquisition is required.

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
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 – Staging Areas Appendix 3-B – Detailed Route Map
	Approximately how large would the main staging area(s) be?	Section 3.7.1 – Staging Areas
	Describe any site preparation required, if known, or generally describe what might be required.	Section 3.7.1 – Staging Areas
	Describe what the staging area would be used for.	Section 3.7.1 – Staging 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 – Staging Areas
	Describe how power to the site would be provided if required.	Section 3.7.1 – Staging Areas
	Describe any grading activities and/or slope stabilization issues.	Not Applicable – no grading or slope stabilization is anticipated to be required for staging or storage yards.
3.7.1.2 Work Areas	Describe known work areas that may be required for specific construction activities.	Section 3.7.1.2 – Work Areas
	For each known work area, provide the area required (include length and width) and describe the types of activities that would be performed.	Section 3.7.1.2 – Work Areas
	Identify the approximate location of known work areas in the GIS database.	Appendix 1-A – Project Geographic Information System (GIS) Data (CONFIDENTIAL)
	Describe how the work areas would likely be accessed.	Section 3.7.1.2 – Work Areas Section 3.7.1.3 – Access Roads and/or Spur Roads Appendix 3-B – Detailed Route Map

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.7.1.2 Work Areas	If any site preparation is likely required, generally describe what and how it would be accomplished.	Section 3.5.1 – Overhead Transmission and Power Line Construction
	Describe any grading activities and/or slope stabilization issues.	Not Applicable – no grading or slope stabilization is anticipated to be required.
	Based on the information provided, describe how the site would be restored.	Section 3.7.1.7 – Cleanup and Post-Construction Restoration
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.	Section 3.7.1.3 – Access Roads and/or Spur Roads
	For road types that require preparation, describe the methods and equipment that would be used.	Section 3.7.1.3 – Access Roads and/or Spur Roads
	Identify approximate location of all access roads (by type) in the GIS database.	Appendix 1-A – Project Geographic Information System (GIS) Data (CONFIDENTIAL)
	Describe any grading activities and/or slope stabilization issues.	Section 3.7.1.3 – Access Roads and/or Spur Roads
3.7.1.4 Helicopter Access	Identify which proposed poles/towers would be removed and/or installed using a helicopter.	Not Applicable - Helicopters will not be used for pole installation/removal. Section 3.7.1.4 – Helicopter Access
	If different types of helicopters are to be used, describe each type and what activities they would be used for.	Not Applicable - Helicopters will not be used for pole installation/removal. Section 3.7.1.4 – Helicopter Access
	Provide information as to where the helicopters would be staged, where they would refuel, where they would land within the Proposed Project site.	Not Applicable - Helicopters will not be used for pole installation/removal. Section 3.7.1.4 – Helicopter Access

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.7.1.4 Helicopter Access	Describe any BMPs that would be employed to avoid impacts caused by use of helicopters, for example: air quality and noise considerations.	Not Applicable - Helicopters will not be used for pole installation/removal. Section 3.7.1.4 – Helicopter Access
	Describe flight paths, payloads, hours of operations for known locations, and work types.	Not Applicable - Helicopters will not be used for pole installation/removal. Section 3.7.1.4 – Helicopter Access
3.7.1.5 Vegetation Clearance	Describe the types of vegetation clearing that may be required and why.	Section 3.7.1.5 – Vegetation Clearance Section 5.4 – Biological Resources
	Identify the preliminary location and provide an approximate area of disturbance in the GIS database for each type of vegetation removal.	Appendix 1-A – Project Geographic Information System (GIS) Data (CONFIDENTIAL)
	Describe how each type of vegetation removal would be accomplished.	Section 3.7.1.5 – Vegetation Clearance Section 5.4 – Biological Resources
	For removal of trees, distinguish between tree trimming as required under GO-95D and tree removal.	Not Applicable - Tree Removal is not anticipated.
	Describe the types and approximate number and size of trees that may need to be removed.	Not Applicable - Tree Removal is not anticipated.
	Describe the type of equipment typically used.	Section 3.7.1.5 – Vegetation Clearance Section 5.4 – Biological Resources

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
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 1 acre, outline the BMPs that would be implemented to manage runoff.	Section 3.7.1.6 – Erosion and Sediment Control and Pollution Prevention during Construction Section 5.4 – Biological Resources Section 5.9 – Hydrology and Water Quality
	Describe any grading activities and/or slope stabilization issues.	Section 3.7.1.6 – Erosion and Sediment Control and Pollution Prevention during Construction Table 3-7 – Proposed Project Cut and Fill Summary
	Describe how construction waste would be disposed.	Section 3.7.1.6 – Erosion and Sediment Control and Pollution Prevention during Construction Table 3-8 – Common Destination for Retired Project Components Section 5.17 – Utilities and Service Systems
3.7.1.7 Cleanup and Post-Construction Restoration	Describe how cleanup and post-construction restoration would be performed.	Section 3.7.1.7 – Cleanup and Post-Construction Restoration
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 3.7.2.1 – Pull and Tension (Stringing) Sites
	Provide the area of pull and tension sites including the estimated length and width.	Section 3.7.2.1 – Pull and Tension (Stringing) Sites
	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 3.7.2.1 – Pull and Tension (Stringing) Sites Appendix 1-A – Project Geographic Information System (GIS) Data (CONFIDENTIAL)
	Describe the type of equipment that would be required at these sites.	Section 3.7.2.1 – Pull and Tension (Stringing) Sites
	If conductor is being replaced, describe how it would be removed from the site.	Section 3.7.2.1 – Pull and Tension (Stringing) Sites

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
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 3.7.2.2 – Pole Installation and Removal
	Describe the process of removing the poles and foundations.	Section 3.7.2.2 – Pole Installation and Removal
	Describe what happens to the holes that the poles were in (i.e., reused or backfilled)?	Section 3.7.2.2 – Pole Installation and Removal
	If the holes are to be backfilled, what type of fill would be used and where would it come from?	Section 3.7.2.2 – Pole Installation and Removal
	Describe any surface restoration that would occur at the pole sites.	Section 3.7.2.2 – Pole Installation and Removal Section 3.7.1.7 – Cleanup and Post-Construction Restoration
	Describe how the poles would be removed from the sites.	Section 3.7.2.2 – Pole Installation and Removal
	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.	Not Applicable – Pole topping is not anticipated.
3.7.2.2 Pole/Tower Installation	Describe the process of how the new poles/towers would be installed; specifically identify any special construction methods for specific locations or for different types of poles/towers.	Section 3.7.2.2 – Pole Installation and Removal
	Describe the types of equipment and their use as related to pole/tower installation.	Section 3.7.2.2 – Pole Installation and Removal

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.7.2.2 Pole/Tower Installation	Describe the actions taken to maintain a safe work environment during construction.	Section 3.7.2.2 – Pole Installation and Removal
	Describe what would be done with soil that is removed from a hole/foundation site.	Section 3.7.2.2 – Pole Installation and Removal
	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 3.7.2.2 – Pole Installation and Removal
3.7.2.2 Pole/Tower Installation	Describe briefly how poles/towers and associated hardware are assembled.	Section 3.7.2.2 – Pole Installation and Removal
	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 3.7.2.2 – Pole Installation and Removal
	Provide the following information about pole/tower installation and associated disturbance area estimates; pole diameter, lattice tower base dimension, auger hole depth, permanent footprint per pole/tower, number of poles/towers, average work area around poles/towers, and total permanent footprint for poles/towers.	Section 3.7.2.2 – Pole Installation and Removal
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 3.7.2.3 – Conductor/Cable Installation
	Generally describe the conductor/cable splicing process.	Section 3.7.2.3 – Conductor/Cable Installation
	If vaults are required, provide their dimensions and approximate location/spacing along the alignment.	Section 3.7.2.3 – Conductor/Cable Installation

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
	Describe in what areas conductor/cable stringing/installation activities would occur.	Section 3.7.2.3 – Conductor/Cable Installation Appendix 3-B – Detailed Route Map
	Describe any safety precautions or areas where special methodology would be required.	Section 3.7.2.3 – Conductor/Cable Installation
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 3.7.3.1 - Trenching
	Describe the methodology of making the trench.	Section 3.7.3.1 - Trenching
	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 3.7.3.1 - Trenching Table 3-8 – Proposed Project Cut and Fill Summary
	Provide off-site disposal location, if known, or describe possible option(s).	Section 3.7.3.1 – Trenching, Footnotes 20 and 21
	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.	Section 3.7.3.1 - Trenching
	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 3.7.1.6 – Erosion and Sediment Control and Pollution Prevention during Construction

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.7.3 Transmission Line Construction (Below Ground) 3.7.3.1 Trenching	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 3.7.3.1 - Trenching
	If pre-existing hazardous waste was encountered, describe the process of removal and disposal.	Section 3.7.3.1 - Trenching
	Describe any standard BMPs that would be implemented.	Section 3.7.3.1 - Trenching
3.7.3.2 Trenchless Techniques: Microtunnel, Bore and Jack, Horizontal Directional Drilling	Provide the approximate location of the [sending and receiving?] pits.	Not Applicable – No trenchless techniques will be implemented
	Provide the length, width and depth of the sending and receiving pits.	Not Applicable – No trenchless techniques will be implemented
	Describe the methodology of excavating and shoring the pits.	Not Applicable – No trenchless techniques will be implemented
	Describe the methodology of the trenchless technique.	Not Applicable – No trenchless techniques will be implemented
	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.	Not Applicable – No trenchless techniques will be implemented
	Describe the process for safe handling of drilling mud and bore lubricants.	Not Applicable – No drilling mud is proposed.
	Describe the process for detecting and avoiding “fracturing-out” during horizontal directional drilling operations.	Not Applicable – No horizontal directional drilling is proposed.
	Describe the process for avoiding contact between drilling mud/lubricants and stream beds.	Not Applicable – No drilling mud is proposed.

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.7.3.2 Trenchless Techniques: Microtunnel, Bore and Jack, Horizontal Directional Drilling	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.	Not Applicable – No trenchless techniques will be implemented
	If dewatering is anticipated, describe how the pit would be dewatered, what the flows of the water are, whether there would be treatment, and how the water would be disposed.	Not Applicable – No trenchless techniques will be implemented
	Describe the process for testing excavated soil or groundwater for the presence of pre-existing environmental contaminants.	Not Applicable – No trenchless techniques will be implemented
	If a pre-existing hazardous waste was encountered, describe the process of removal and disposal.	Not Applicable – No trenchless techniques will be implemented
	Describe any grading and/or slope stabilization issues.	Not Applicable – No trenchless techniques will be implemented
	Describe any standard BMPs that would be implemented.	Not Applicable – No trenchless techniques will be implemented
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.	Section 3.7.4 – Substation Construction
	Provide a conceptual landscape plan in consultation with the municipality in which the substation is located.	Appendix 3-A: Preliminary Substation Design and Grading (note that portions of this appendix are CONFIDENTIAL)
	Describe any grading and/or slope stabilization issues.	Section 3.7.4 – Substation Construction
	Describe possible relocation of commercial or residential property, if any.	Not Applicable – No relocation of commercial or residential property proposed

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.7.5 Construction Workforce and Equipment	Provide the estimated number of construction crew members.	Section 3.7.5 – Construction Workforce and Equipment Appendix 3-F – Detailed Construction Schedule and Equipment Table
	Describe the crew deployment, whether crews would work concurrently, if they would be phased, etc.	Section 3.7.5 – Construction Workforce and Equipment Appendix 3-F – Detailed Construction Schedule and Equipment Table
	Describe the different types of activities to be undertaken during construction, the number of crew members for each activity, and the number and types of equipment expected to be used for said activity. Include a written description of the activity.	Section 3.7.5 – Construction Workforce and Equipment Appendix 3-F – Detailed Construction Schedule and Equipment Table
	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.	Table 3-9: Standard Construction Equipment and Use
3.7.6 Construction Schedule	Provide a preliminary project construction schedule; include contingencies for weather, wildlife closure periods, etc.	Section 3.6 – Construction Schedule Table 3-10 – High-Level Project Schedule Appendix 3-F – Detailed Construction Schedule and Equipment Table
3.8 Operation and Maintenance	Describe the general system monitoring and control.	Section 3.8 – Operation and Maintenance
	Describe the general maintenance program of the Proposed Project include timing of inspections, type of inspection, and a description of how the inspection would be implemented.	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.	Section 3.8 – Operation and Maintenance

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
3.9 Applicant Proposed Measures	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 3.9 – Applicant Proposed Measures Table 3-12: Applicant Proposed Measures by Resource Area Table 3-13: Applicant Proposed Measures
Chapter 4: Environmental Setting		
	For each resource area discussion within the PEA, include the following: a description of the physical environment in the vicinity of the Proposed Project and a description of the regulatory environment/context.	Section 5.1 through Section 5.17
	Limit detailed descriptions to those resource areas which may be subject to a potentially significant impact.	Section 5.1 through Section 5.17
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.	Section 5.1 – Aesthetics Figures 5.1-4 through 5.1-13
5.2 Agriculture Resources	Identify the types of agricultural resources affected.	Section 5.2 – Agriculture and Forestry Resources
5.3 Air Quality	Provide supporting calculations/spreadsheets/technical reports that support emission estimates in the PEA.	Appendix 5.3-A: Air Quality Construction Emissions Calculations

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
	Provide documentation of the location and types of sensitive receptors that could be impacted by the project.	Section 5.3 – Air Quality
	Identify Proposed Project greenhouse gas (GHG) emissions.	Section 5.7 – Greenhouse Gases
	Ensure that the assessment of air quality impacts are 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 5.3 – Air Quality
5.4 Biological Resources	Provide a copy of the Wetland Delineation and supporting documentation. If verified, provide supporting documentation.	Appendix 5.4-A: Biological Technical Report
	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.	Appendix 5.4-A: Biological Technical Report Appendix 1-A – Project Geographic Information System (GIS) Data
5.5 Cultural Resources	Cultural Resources Report documenting a cultural resources investigation of the Proposed Project.	Appendix 5.5-A: Archaeological Survey Report (CONFIDENTIAL)
	Provide a copy of the records found in the literature search.	Appendix 5.5-A: Archaeological Survey Report (CONFIDENTIAL) Appendix 5.5-B: Paleontological Resources Record Search (CONFIDENTIAL)
	Provide a copy of all letters and documentation of Native American consultation.	Appendix 5.5-A: Archaeological Survey Report (CONFIDENTIAL)

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
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.	Section 5.6 – Geology and Soils Appendix 5.6-A – Geotechnical Investigation – Artesian Substation Expansion (note that portions of this appendix are CONFIDENTIAL) Additional Geotechnical Investigations PENDING
5.7 Hazards and Hazardous Materials	Include the Environmental Data Resources report.	Appendix 5.8-A: EDR Database Search Results
	Include a Hazardous Substance Control and Emergency Response Plan, if required.	Not Applicable ¹
	Include a Health and Safety Plan, if required.	Not Applicable ¹
	Describe the Worker Environmental Awareness Program	Section 5.4 – Biological Resources Section 5.5 – Cultural Resources Section 5.8 – Hazards and Hazardous Materials
	Describe which chemicals would be used during construction and operation of the Proposed Project.	Section 5.8 – Hazards and Hazardous Materials
5.8 Hydrology and Water Quality	Describe impacts to groundwater quality including increased runoff due to construction of impermeable surfaces, etc.	Section 5.9 – Hydrology and Water Quality
	Describe impacts to surface water quality including the potential for accelerated soil erosion, downstream sedimentation, and reduced surface water quality.	Section 5.9 – Hydrology and Water Quality
5.9 Land Use and Planning	Provide GIS data of all parcels within 300 feet of the Proposed Project with the following data: APN number, mailing address, and parcel's physical address.	Parcel data included as Appendix C of the PTC application. Appendix 1-A – Project Geographic Information System (GIS) Data (CONFIDENTIAL)

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
5.10 Mineral Resources	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	Not Applicable. Section 5.11 – Mineral Resources
5.11 Noise	Provide long term noise estimates for operational noise.	Section 5.12 – Noise
5.12 Population and Housing	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	Not Applicable. Section 5.13 – Population and Housing
5.13 Public Services	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	Not Applicable. Section 5.14 – Public Services
5.14 Recreation	Data needs already specified under Chapter 3 would generally meet the data needs for this resource area.	Not Applicable. Section 5.15 – Recreation
5.15 Transportation and Traffic	Discuss traffic impacts resulting from construction of the Proposed Project including ongoing maintenance operations.	Section 5.16 – Transportation and Traffic
	Provide a preliminary description of the traffic management plan that would be implemented during construction of the Proposed Project.	<i>Traffic Management Plans, if required, will be developed in conjunction with final engineering</i> Section 5.16 – Transportation and Traffic
5.16 Utilities and Services Systems	Describe how treated wood poles would be disposed of after removal, if applicable.	Table 3-8 – Common Destinations for Retired Project Components Section 5.17 – Utilities and Service Systems
5.17 Cumulative Analysis	Provide a list of projects within the Proposed Project area that the applicant is involved in.	Section 5.18 – Cumulative Impacts Table 5.18-1: Planned and Proposed Projects within One Mile of the Proposed Project Area
	Provide a list of projects that have the potential to be approximate in space and time to the Proposed Project.	Section 5.18 – Cumulative Impacts Table 5.18-1: Planned and Proposed Projects within One Mile of the Proposed Project Area

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
5.18 Growth-Inducing Impacts, If Significant	Provide information on the Proposed Project’s growth-inducing impacts.	Section 6.2 – Growth-Inducing Impacts
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.	Not applicable – the Proposed Project does not include any mitigation measures.
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. Include system or facility alternatives, route alternatives, route variations, alternative locations.	Section 4 – Description and Evaluation of Alternatives
	Include a description of a “No Project Alternative.”	Section 4 – Description and Evaluation of Alternatives
6.2 Description of Project Alternatives and Impact Analysis	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.	Not Applicable – No Significant, Unavoidable Impacts are anticipated Section 4 – Description and Evaluation of Alternatives

Table 1-1 (cont.): PEA Checklist Key Table

Location in PEA Checklist	Checklist Item	Location within PEA
6.3 Growth-Inducing Impacts	Discussion should be fairly succinct and focus on if the Proposed Project will foster economic or population growth, cause an increase in population that could further tax existing community service facilities, or encourage and facilitate other activities that would cause population growth that could significantly affect the environment.	Section 6.2 – Growth Inducing Impacts
6.4 Suggested Applicant Proposed Measures to address GHG Emissions	Include a menu of suggested APM's that applicants can consider.	Not applicable – no APMs or mitigation measures are proposed as there are no potentially significant impacts to mitigate relating to GHGs.
Chapter 7: Other Process-Related Data Needs		
	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.	Parcel data included as Appendix C of the PTC application. Appendix 1-A – Project Geographic Information System (GIS) Data (CONFIDENTIAL)
Notes: ¹ SDG&E would prepare plans if required.		