

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** Formatting and Basic PEA Data Needs, Including GIS Data

ECORP Project Number: \_\_\_\_\_

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?		
		Yes	No	N/A			Yes	No			Yes	No	
1	Editable and fully functional source files in electronic format for all PDFs, hardcopies, maps, images, and diagrams.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
	Files provided in original file format and output file format.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
	All Excel and other spreadsheet files or modeling files include all underlying formulas/modeling details. All modeling files fully functional.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
2	Details about types of GIS data and maps are provided in Attachment 1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
3	All Project features (including Project components and temporary and permanent work areas) are included within all survey boundaries (e.g., biological and cultural resources).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
4	Provide Excel spreadsheets with emissions calculations complete with all Project assumptions, values, and formulas used to prepare emissions calculations in the PEA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Emissions included "Appendix B_Emissions Calculations_Digital_Files. Information within digital files are missing or incomplete.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
	Accompanying PDF files with same emissions calculations information provided as Appendix B to the PEA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PDF Included		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
5	Provide Excel spreadsheet of comprehensive mailing list of all affected landowners and residents for both the Proposed Project <u>and</u> Alternatives.				Will be completed as the project progresses	A mailing list of all affected landowners and residents for the proposed project and alternatives has been provided.							
	An affected landowner or resident is defined as one whose place of residence or property is: (i) crossed by or abuts any component of the Proposed Project or an Alternative including any permanent or temporary disturbance area (either above or below ground) and any extra work area (e.g., staging or parking area); or (ii) located within approximately 1,000 feet of the edge of any construction work area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	The Excel spreadsheet should include the following information for each resident, at minimum:												
	- Owner Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Mailing Address (include unit number if multi-unit property)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Parcel Physical Address (include unit number if multi-unit property)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Parcel APN	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Individual Occupant Names & Addresses (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Facility Names & Addresses (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
- Business Names & Addresses (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	

**PEA Checklist Section:** Formatting and Basic PEA Data Needs, Including GIS Data

ECORP Project Number: \_\_\_\_\_

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
6	PEA sections should be organized as follows: -- Cover -- Table of Contents, List of Tables, List of Figures, List of Appendices 1 Executive Summary 2 Introduction 3 Proposed Project Descripton 4 Description of Alternatives 5 Environmental Analysis 5.1 Aesthetics 5.2 Agriculture and Forestry 5.3 Air Quality 5.4 Biological Resources 5.5 Cultural Resources 5.6 Energy 5.7 Geology, Soils, and Paleontological Resources 5.8 Greenhouse Gas Emissions 5.9 Hazards, Hazardous Materials, and Public Safety 5.10 Hydrology and Water Quality 5.11 Land Use and Planning 5.12 Mineral Resources 5.13 Noise 5.14 Population and Housing 5.15 Public Services 5.16 Recreation 5.17 Transportation 5.18 Tribal Cultural Resources 5.19 Utilities and Service Systems 5.20 Wildfire 5.21 Mandatory Findings of Significance 6 Comparison of Alternatives 7 Cumulative Impacts and Other CEQA Considerations 8 List of Preparers 9 References* -- Appendices  *References organized by section but contained in a single chaper called "References"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** Cover  
 ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
1	Cover is a single sheet.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2	Title "Proponent's Environmental Assessment" and filing date.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3	Proponent name (the Applicant).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4	Name of the Proposed Project  If approved by the CAISO, the Project Name listed will match the name specified in the CAISO approval. List all versions if multiple names apply.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5	Technical subheading summarizing the type of project and its major components, in 1 sentence or about 40 words.  Example: A new 1,120 MVA, 500/115kV substation, 10 miles of new singled-circuit 500kV transmission lines, 25 miles of new and replaced double-circuit 115kV power lines, and upgrades at three existing substations are proposed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
6	Proposed Project Location (all counties and municipalities, or map figure including all areas).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
7	Proceeding for which PEA was prepared and CPUC Docket number (if known). If unknown, leave a blank where Docket number would go.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Add A.25-09-008	This has been added on the cover page.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
8	Provide the following information for the Primary Contact for the Project Applicant(s) and entities that prepared the PEA:											
	- Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Address	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Telephone Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Email Address	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** Required Appendices and Supporting Materials  
 ECORP Project Number: 2020\_196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
1	Appendix A - Detailed Maps and Design Drawings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Will require update as project progresses	Revised version attached wth 12/2025 resubmittal	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2	Appendix B - Emissions Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Will require update as project progresses	Revised version attached wth 12/2025 resubmittal	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3	Appendix C -Biological Resources Technical Reports	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Will require update as project progresses	No updates to BRTR have been made with the 12/2025 resubmittal. However, updates have been made in the PEA section.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4	Appendix D - Cultural Resources Studies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Report is under review at BLM will require update as project progresses	Class III Inventory Report which will be provided following completion and approval by the BLM. Anticipated in June 2026.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5	Appendix E - Detailed Tribal Consultation Report  Include summary and timing of all correspondence to and from any Tribes and the SHPO/NAHC, including Sacred Lands File search results, and full descriptions of any issues identified by Tribes in their interactions with the Applicant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Will require update as project progresses		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
6	Appendix F - Environmental Data Resources Report, Phase I Environmental Site Assessment, or similar hazardous materials report	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	May require update as project progresses		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
7	Appendix G - Agency Consultation and Public Outreach Report and Records of Correspondence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Will require update as project progresses		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
8	Appendix H - Construction Fire Prevention Plan  The Construction Fire Prevention Plan will be provided to federal, state, and local fire agencies for review and comment as applicable to where components of the Proposed Project would be located. CPUC will approve the final Plan. Record of request for reviw and comment and any comments received from these agencies will be provided to CPUC CEQA Unit Staff.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	May require update as project progresses		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs/Anne Surdzial  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** 1. Executive Summary  
 ECORP Project Number: 2020-196.003

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
1.1	<b>Proposed Project Summary.</b> Provide a summary of the Proposed Project and its underlying purpose and basic objectives.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.2	<b>Land Ownership and Right-of-Way Requirements.</b> Provide a summary of the existing and proposed land ownership and rights-of-way for the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.3	<b>Areas of Controversy.</b> Identify areas of anticipated controversy and public concern regarding the Project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Section 4.2 of Appendix K, Routing Study, identifies several issues that were brought up in tribal and public meetings.	This section has been updated to explain areas of controversy raised during public and tribal outreach.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.4	<b>Summary of Impacts</b>											
	- Identify all impacts expected by the Applicant to be potentially significant.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	These may be revised by CPUC in the CEQA document		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Identify and discuss Applicant Proposed Measures and provide a reference to the full listing of Applicant Proposed Measures provided in the table described in Section 3.11 of the PEA Checklist.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	These may be revised by CPUC in the CEQA document		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Identify any significant and unavoidable impacts that may occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	These may be revised by CPUC in the CEQA document		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.5	<b>Summary of Alternatives.</b> Summarize alternatives that were considered by the Applicant and the process and criteria that were used to select the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.6	<b>Pre-filing Consultation and Public Outreach Summary.</b> Briefly summarize Pre-filing consultation and public outreach efforts that occurred and identify any significant outcomes that were incorporated into the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.7	<b>Conclusions.</b> Provide a summary of the major PEA conclusions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.8	<b>Remaining Issues.</b> Describe any major issues that must still be resolved.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		There are no known unresolved environmental, engineering, or real property related issues.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** 3. Proposed Project Description  
 ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>3.1 Project Overview</b>												
3.1.1	<b>Project Overview</b>						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	a) Provide a concise summary of the Proposed Project and components in a few paragraphs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Described the geographical location of the Proposed Project (i.e., county, city, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide an overview map of the proposed Project location.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.2 Existing and Proposed System</b>												
3.2.1	<b>Existing System</b>						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	a) Identify and describe the existing utility system that would be	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide information on users and the area served by the existing system features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Explain how the proposed project would fit into the existing local and regional systems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide a schematic diagram of the existing system features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide detailed maps and associated GIS data for existing facilities that would be modified by the Proposed Project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.2.2	<b>Proposed Project System</b>						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	a) Describe the whole of the Proposed Project by component, including all new facilities and any modifications, upgrades, or expansions to existing facilities and any interrelated activities that are part of the whole of the action.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Clearly identify system features that would be added, modified, removed, disconnected and left in place, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify the expected capacities of the proposed facilities, highlighting any changes from the existing system. If the project would not change existing capacities, make this statement.  For electrical projects, provide the anticipated capacity increase in amps or megawatts or in the typical units for the types of facilities proposed.  For gas projects, provide the total volume of gas to be delivered by the proposed facilities, anticipated system capacity increase (typically in million cubic feet per day), expected customers, delivery points and corresponding volumes, and the anticipated maximum allowable operating pressure(s).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	d) Describe the initial buildout and eventual full buildout of the proposed project facilities. For example, if an electrical substation or gas compressor station would be installed to accommodate additional demand in the future, then include the designs for both the initial construction based on current demand and the design for all infrastructure that could ultimately be installed within the planned footprint of an electric substation or compressor station.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Explain whether the electric line or gas pipeline will create a second system tie or loop for reliability.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Provide information on users and the area served by the proposed system features, highlighting any differences from the existing system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Provide a schematic diagram of the proposed system features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Provide detailed maps and associated GIS data for proposed facilities that would be installed, modified, or relocated by the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.2.3</b>	<b>System Reliability.</b> Explain whether the electric line or gas pipeline will create a second system tie or loop for reliability. Clearly explain and show how the Proposed Project relates to and supports the existing utility systems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.2.4</b>	<b>Planning Area.</b> Describe the system planning area served or to be served by the project. Clearly define the Applicant's term for the planning area (e.g., Electrical Needs Area or Distribution Planning Area).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3 Project Components</b>												
<b>Required for All Project Types</b>												
<b>3.3.1</b>	<b>Preliminary Design and Engineering</b>											
	a) Provide preliminary design and engineering information for all above-ground and below-ground facilities for the Proposed Project. The approximately locations, maximum dimensions of facilities, and limits of areas that would be needed to construction and operate the facilities should be clearly defined.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide preliminary design drawings for project features and explain the level of completeness (i.e., percentage).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide detailed project maps (approximately 1:3,000 scale) and associated GIS data of all facility locations and boundaries with attributes and spatial geometry that corresponds to information in the Project Description.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.2</b>	<b>Segments, Components, and Phases</b>											
	a) Define all project segments, components, and phases for the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the length/area of each segment or component, and the timing of each development phase.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**PEA Checklist Section:** 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	c) Provide an overview map showing each segment and provide associated GIS data (may be combined with other mapping efforts).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.3</b>	<b>Existing Facilities</b>											
	a) Identify the types of existing facilities that would be removed or modified by the Proposed Project (i.e., conductor/cable, poles/towers, substations, switching stations, gas storage facilities, gas pipelines, service buildings, communication systems, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the existing facilities by Project segment and/or component, and provide information regarding existing dimensions, areas/footprints, quantities, locations, spans, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Distinguish between above-ground and below-ground facilities and provide both depth and height ranges for each type of facility. For poles/towers, provide the installation method (i.e., foundation type or direct bury), and maximum above-ground heights and below-ground depths.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Explain what would happen to the existing facilities. Would they be replaced, completely removed, modified, or abandoned? Explain why.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Identify the names, types, materials, and capacity/volumes ranges (i.e., minimum and maximum) of existing facilities that would be installed or modified by the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Provide diagrams with dimensions representing existing facilities to provide context on how the proposed facilities would be different.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Briefly describe the surface colors, textures, light reflectivity, and any lighting of existing facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.4</b>	<b>Proposed Facilities</b>											
	a) Identify the types of proposed facilities to be installed or modified by the Proposed Project (e.g., conductor/cable, poles/towers, substations, switching stations, gas storage facilities, gas pipelines, service buildings, communication systems).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the proposed facilities by project segment and/or component, and provide information regarding maximum dimensions, areas/footprints, quantities, locations, spans, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Distinguish between above-ground and below-ground facilities and provide both depth and height ranges for each type of facility. For poles/towers, provide the installation method (i.e., foundation type or direct bury), and maximum above-ground heights and below-ground depths.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Identify where facilities would be different (e.g., where unique or larger poles would be located, large guy supports or snub poles).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	e) Provide details about civil engineering requirements (i.e., permanent roads, foundations, pads, drainage systems, detention basins, spill containment, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Distinguish between permanent facilities and any temporary facilities (i.e., poles, shoo-fly lines, mobile substations, mobile compressors, transformers, capacitors, switch racks, compressors, valves, driveways, and lighting).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Identify the names, types, materials, and capacity/volumes ranges (i.e., minimum and maximum) of proposed facilities that would be installed or modified by the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Provide diagrams with dimensions representing existing facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Briefly describe the surface colors, textures, light reflectivity, and any lighting of proposed facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.5</b>	<b>Other Potentially Required Facilities</b>											
	a) Identify and describe in detail any other actions or facilities that may be required to complete the Project. For example, consider the following questions:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Could the project require the relocation (temporary or permanent), modification, or replacement of unconnected utilities or other types of infrastructure by the Applicant or any other entity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Could the project require aviation lighting and/or marking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Could the project require additional civil engineering requirements to address site conditions or slope stabilization issues, such as pads and retaining walls, etc.?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the location of each facility and a description of the facility.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.6</b>	<b>Future Expansions and Equipment Lifespans</b>											
	a) Provide detailed information about the current and reasonably foreseeable plans for expansion and future phases of development.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the expected usable life of all facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe all reasonably foreseeable consequences of the Proposed Project (e.g., future ability to upgrade gas compressor station to match added pipeline capacity).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>Required for Certain Project Types</b>												
<b>3.3.7</b>	<b>Below-ground Conductor/Cable Installations (as Applicable)</b>											
	a) Describe the type of line to be installed (e.g., single circuit crosslinked polyethylene-insulated solid-dielectric, copper-conductor cables).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	b) Describe the type of casing the cable would be installed in (e.g., concrete-encased duct bank system) and provide the dimensions of the casing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Describe the types of infrastructure would likely be installed within the duct bank (e.g., transmission, fiber optics, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.8</b>	<b>Electric Substations and Switching Stations (as Applicable)</b>											
	a) Provide the number of transformer banks that will be added at initial and full buildout of the substation. Identify the transformer voltage and number of each transformer type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify any gas insulated switchgear that will be installed within the substation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe any operation and maintenance facilities, telecommunications equipment, and SCADA equipment that would be installed within the substation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.9</b>	<b>Gas Pipelines (as Applicable).</b> For each segment:											
	a) Identify pipe diameter, number and length of exposed sections, classes and types of pipe to be installed, pressure of pipe, and cathodic protection for each linear segment.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe new and existing inspection facilities (e.g., pig launcher sites).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe system cross ties and laterals/taps.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Identify the spacing between each valve station.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe the compressor station, if needed, for any new or existing pipeline.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe all pipelines and interconnections with existing and proposed facilities, including:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Number of interconnections and locations and sizes;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) All below-ground and above-ground installations;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) All remote facility locations for metering, telemetry, control.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.10</b>	<b>Gas Storage Facilities – Background and Resource Information (as Applicable)</b>											
	a) Provide detailed background information on the natural gas formation contributing to the existing or proposed natural gas facility, including the following:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Description of overlying stratigraphy, especially caps	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Description of production, injection, and intervening strata	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Types of rock	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iv) Description of types of rocks in formation, including permeability or fractures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	v) Thickness of strata	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide a graphic and/or table showing formation thicknesses.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	c) Identify and describe any potential gas migration pathways, such as faults, permeable contacts, abandoned wells, underground water or other pipelines.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide a summary and detailed cross-section diagrams of the geologic formations and structures of the oil/gas field or area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide the first well drilling and production history, abandonment procedures, inspections, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe production zones, including depth, types of formations, and characteristics of field/area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe the existing and proposed storage capacity and limiting factors, such as injection or withdrawal capacities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Describe existing simulation studies that were used to predict the reservoir pressure response under gas injection and withdrawal operations, and simulation studies for how the system would change as proposed. Provide the studies as a PEA Appendix.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Provide the history of the oil/gas field or area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.11</b>	<b>Gas Storage Facilities – Well-Head Sites (as Applicable).</b> Describe the location, depth, size and completion information for all existing, abandoned, proposed production and injection, monitoring, and test wells.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.12</b>	<b>Gas Storage Facilities – Production and Injection (as Applicable)</b>											
	a) Provide the proposed storage capacity of production and injection wells.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide production and injection pressures, depths, and rates.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide production and injection cycles by day, week, and year.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe existing and proposed withdrawal/production wells (i.e., size, depth, formations, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe existing and proposed cushion gas requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe any cushion gas injection—formation the well is completed in (cushion gas formation), and injection information.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.13</b>	<b>Gas Storage Facilities – Electrical Energy (as Applicable).</b> Describe all existing and proposed electric lines, telecommunications facilities, and other utilities/facilities (e.g., administrative offices, service buildings, and non-hazardous storage), and chemical storage associated with the Proposed Project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.14</b>	<b>Telecommunication Lines (as Applicable)</b>											
	a) Identify the type of cable that is proposed and length in linear miles by segment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify any antenna and node facilities that are part of the project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	c) For below-ground telecommunication lines, provide the depth of cable and type of conduit.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) For above-ground telecommunication lines, provide:	<input checked="" type="checkbox"/>										
	i) Types of poles that will be installed (if new poles are required)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Where existing poles will be used	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Any additional infrastructure (e.g., guy wires) or pole changes required to support the additional cable on existing poles	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4 Land Ownership, Rights-of-Way, and Easements</b>												
<b>3.4.1</b>	Land Ownership. Describe existing land ownership where each Project component would be located. State whether the Proposed Project would be located on property(ies) owned by the Applicant or if additional property would be required.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4.2</b>	<b>Existing Rights-of-Way or Easements</b>											
	a) Identify and describe existing rights-of-way (ROWs) or easements where project components would be located. Provide the approximately lengths and widths in each Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Clearly state if project facilities would be replaced, modified, or relocated within existing ROWs or easements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4.3</b>	<b>New or Modified Rights-of-Way or Easements</b>											
	a) Describe new permanent or modified ROWs or easements that would be required. Provide the approximately lengths and widths in each Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe how any new permanent or modified ROWs or easements would be acquired.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide site plans identifying all properties/parcels and partial properties/parcels that may require acquisition and the anticipated ROWs or easements. Provide associated GIS data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe any development restrictions within new ROWs or easements, e.g., building clearances and height restrictions, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe any relocation or demolition of commercial or residential property/structures that may be necessary.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4.4</b>	<b>Temporary Rights-of-Way or Easements</b>											
	f) Describe temporary ROWs or easements that would be required to access project areas, including ROWs or easements for temporary construction areas (i.e., staging areas or landing zones).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Explain where temporary construction areas would be located with existing ROWs or easements for the Project or otherwise available to the Applicant without a temporary ROW or easement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>





**PEA Checklist Section:** 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	a) 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.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) 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.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe how the staging area would be secured. Would a fence be installed? If so, describe the type and extent of the fencing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe how power to the site would be provided if required (i.e., tap into existing distribution, use of diesel generators, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe any temporary lightning facilities for the site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe any grading activities and/or slope stabilization issues.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.3</b>	<b>Construction Work Areas (All Projects)</b>											
<b>3.5.3.1</b>	<b>Construction Work Areas</b>											
	a) Describe known work areas that may be required for specific construction activities (e.g., pole assembly, hillside construction).  Each specific work area may not be determined until the final work plan is submitted by the construction contractor. Estimate total area likely to be disturbed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the types of activities that would be performed at each work area. Work areas may include but are not necessarily limited to:											
	i) Helicopter landing zones and touchdown areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Vehicle and equipment parking, passing, or turnaround areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Railroad, bridge, or watercourse crossings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iv) Temporary work pads for facility installation, modification, or removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	v) Excavations and associated equipment work areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	vi) Temporary guard structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	vii) Pull-and-tension/stringing sites	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	viii) Jack and bore pits, drilling areas and pull-back areas for horizontal directional drills	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ix) Retaining walls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.3.2</b>	<b>Work Area Disturbance</b>											
	a) Provide the dimensions of each work area including the maximum area that would be disturbed during construction (e.g., 100 feet by 200 feet).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	b) Provide a table with temporary and permanent disturbance at each work area (in square feet or acres), and the total area of temporary and permanent disturbance for the entire Project (in acres).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.3.3	<b>Temporary Power.</b> Identify how power would be provided at work area (i.e., tap into existing distribution, use of diesel generators, etc.). Provide the disturbance area for any temporary power lines.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.4	<b>Site Preparation (All Projects)</b>											
3.5.4.1	<b>Surveying and Staking.</b> Describe initial surveying and staking procedures for site preparation and access.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.4.2	<b>Utilities</b>											
	a) Describe the process for identifying any underground utilities prior to construction (i.e., underground service alerts, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the process for relocating any existing overhead or underground utilities that aren't directly connected to the project system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe the process for installing any temporary power or other utility lines for construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.4.3	<b>Vegetation Clearing</b>											
	a) Describe what types of vegetation clearing may be required (e.g., tree removal, brush removal, flammable fuels removal) and why (e.g., to provide access, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide calculations of temporary and permanent disturbance of each vegetation community and include all areas of vegetation removal in the GIS database. Distinguish between disturbance that would occur in previously developed areas (i.e., paved, graveled, or otherwise urbanized), and naturally vegetated areas.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe how each type of vegetation removal would be accomplished.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the types of equipment that would be used for vegetation removal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.4.4	<b>Tree Trimming Removal</b>											
	a) For electrical projects, distinguish between tree trimming as required under CPUC General Order 95-D and tree removal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify the types, locations, approximate numbers, and sizes of trees that may need to be removed or trimmed substantially.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify potentially protected trees that may be removed or substantially trimmed, such as but not limited to riparian trees, oaks trees, Joshua trees, or palm trees.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the types of equipment that would typically be used for tree removal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**PEA Checklist Section:** 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
3.5.4.5	<b>Work Area Stabilization.</b> Describe the processes to stabilize temporary work areas and access roads including the materials that would be used (e.g., gravel).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.4.6	<b>Grading</b>											
	a) Describe any earth moving or substantial grading activities (i.e., grading below a 6-inch depth) that would be required and identify locations where it would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide estimated volumes of grading (in cubic yards) including total cut, total fill, cut that would be reused, cut that would be hauled away, and clean fill that would be hauled to the site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.5	<b>Transmission Line Construction (Above Ground)</b>											
3.5.5.1	<b>Poles/Towers</b>											
	a) Describe the process and equipment for removing poles, towers, and associated foundations for the proposed project (where applicable). Describe how they would be disconnected, demolished, and removed from the site. Describe backfilling procedures and where the material would be obtained.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the process and equipment for installing or otherwise modifying poles and towers for the proposed project. Describe how they would be put into place and connected to the system. Identify any special construction methods (e.g., helicopter installation) at specific locations or specific types of poles/towers.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe how foundations, if any, would be installed. 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. for foundations. Describe what would be done with soil removed from a hole/foundation site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe how the poles/towers and associated hardware would be delivered to the site and assembled.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe any pole topping procedures that would occur, identify specific locations and reasons, and describe how each facility would be modified. Describe any special methods that would be required to top poles that may be difficult to access.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.5.5.2	<b>Aboveground and Underground Conductor/Cable</b>											
	a) Provide a process-based description of how new conductor/cable would be installed and how old conductor/cable would be removed, if applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify where conductor/cable stringing/installation activities would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide a diagram of the general sequencing and equipment that would be used.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	d) Describe the conductor/cable splicing process.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide the general or average distance between pull-and-tension sites. Describe the approximate dimensions and where pull-and-tension sites would generally be required (as indicated by the designated work areas), such as the approximate distance to pole/tower height ratio, at set distances, or at significant direction changes. Describe the equipment that would be required at these sites.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) For underground conductor/cable installations, describe all specialized construction methods that would be used for installing underground conductor or cable. If vaults are required, provide their dimensions and location/spacing along the alignment. Provide a detailed description for how the vaults would be delivered to the site and installed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe any safety precautions or areas where special methodology would be required (e.g., crossing roadways, stream crossing).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5.3</b>	<b>Telecommunications.</b> Identify the procedures for installation of proposed telecommunication cables and associated infrastructure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5.4</b>	<b>Guard Structures.</b> Identify the types of guard structures that would be used at crossings of utility lines, roads, railroads, highways, etc. Describe the different types of guard structures or methods that may be used (i.e., buried poles and netting, poles secured to a weighted object, bucket trucks, etc.). Describe any pole installation and removal procedures associated with guard structures. Describe guard structure installation and removal process and duration that guard structures would remain in place.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	removal procedure not described	Additional information on removal procedures has been added	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5.5</b>	<b>Blasting</b>											
	a) Describe any blasting that may be required to construct the project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	"blasting operations may occur during Proposed Project construction on a case-by-case basis, depending on site conditions." Blasting Plan not included.	Elaborated, providing more specific details related to the purpose and extent of anticipated blasting activities. A draft Blasting Plan has been included in Appendix M and shows project-specific areas where blasting would occur.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	b) If blasting may be required, provide a Blasting Plan that identifies the blasting locations; types and amounts of blasting agent to be used at each location; estimated impact radii; and, noise estimates. The Blasting Plan should be provided as an Appendix to the PEA.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	"blasting operations may occur during Proposed Project construction on a case-by-case basis, depending on site conditions." Blasting Plan not included.	Elaborated, providing more specific details related to the purpose and extent of anticipated blasting activities. A draft Blasting Plan has been included in Appendix M and shows project-specific areas where blasting would occur. The final Blasting Plan is anticipated to be prepared in Q3 2028 following geotechnical work, which is pending BLM review of the Geotechnical POD.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide a map identifying the locations where blasting may be required with estimated impact radii. Provide associated GIS data.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	"blasting operations may occur during Proposed Project construction on a case-by-case basis, depending on site conditions." Blasting Plan not included.	Elaborated, providing more specific details related to the purpose and extent of anticipated blasting activities. A draft Blasting Plan has been included in Appendix M and shows project-specific areas where blasting would occur. The final Blasting Plan is anticipated to be prepared in Q3 2028 following geotechnical work, which is pending BLM review of the Geotechnical POD.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.6</b>	<b>Transmission Line Construction (Below Ground)</b>											
<b>3.5.6.1</b>	<b>Trenching</b>											
	a) Describe the approximate dimensions of the trench (e.g., depth, width).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the total approximate volume of material to be removed from the trench, the amount to be used as backfill, and any amount to subsequently be removed/disposed of offsite in cubic yards.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe the methods used for making the trench (e.g., saw cutter to cut the pavement, backhoe to remove, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide off-site disposal location, if known, or describe possible option(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe if dewatering would be anticipated and if so, how the trench would be dewatered, the anticipated flows of the water, whether there would be treatment, and how the water would be disposed of.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe the process for testing excavated soil or groundwater for the presence of pre-existing environmental contaminants that could be exposed from trenching operations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) If a pre-existing hazardous waste were encountered, describe the process of removal and disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	h) Describe the state of the ground surface after backfilling the trench.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Describe standard Best Management Practices to be implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.6.2</b>	<b>Trenchless Techniques (Microtunnel, Jack and Bore, Horizontal Directional Drilling)</b>											
	a) Identify any locations/features for which the Applicant expects to use a trenchless (i.e., microtunneling, jack and bore, horizontal directional drilling) crossing method and which method is planned for each crossing.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the methodology of the trenchless technique.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide the approximate location and dimensions of the sending and receiving pits.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the methodology of excavating and shoring the pits.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide the total volume of material to be removed from the pits, the amount to be used as backfill, and the amount subsequently to be removed/disposed of offsite in cubic yards.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe process for safe handling of drilling mud and bore lubricants.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe the process for detecting and avoiding "fracturing-out" during horizontal directional drilling operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Describe the process for avoiding contact between drilling mud/lubricants and stream beds.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) If engineered fill would be used as backfill, indicate the type of engineered backfill and the amount that would be typically used (e.g., the top 2 feet would be filled with thermal-select backfill).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	j) Describe if dewatering is anticipated and, if so, how the pits would be dewatered, the anticipated flows of the water, whether there would be treatment, and how the water would be disposed of.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	k) Describe the process for testing excavated soil or groundwater for the presence of pre-existing environmental contaminants. Describe the process of disposing of any pre-existing hazardous waste that is encountered during excavation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	l) Describe any standard BMPs that would be implemented for trenchless construction.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.7</b>	<b>Substation, Switching Stations, Gas Compressor Stations</b>				N/A							
<b>3.5.7.1</b>	<b>Installation or Facility Modification.</b> Describe the process and equipment for removing, installing, or modifying any substations, switching stations, or compressor stations including:				N/A							
	a) Transformers/ electric components	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Gas components	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>



PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>3.5.10.1</b>	<b>Public Safety</b>											
	a) Describe specific public safety considerations during construction and best management practices to appropriately manage public safety. Clearly state when and where they each safety measure would be applied.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify procedures for managing work sites in urban areas, covering open excavations securely, installing barriers, installing guard structures, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify specific project areas where public access may be restricted for safety purposes and provide the approximate durations and timing of restricted access at each location.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.10.2</b>	<b>Traffic Control</b>											
	a) Describe traffic control procedures that would be implemented during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify the locations, process, and timing for closing any sidewalks, lanes, roads, trails, paths, or driveways to manage public access.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify temporary detour routes and locations.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide a preliminary Traffic Control Plan(s) for the project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.10.3</b>	<b>Security.</b> Describe any security measures, such as fencing, lighting, alarms, etc. that may be required. State if security personnel will be stationed at project areas and anticipated duration of security.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.10.4</b>	<b>Livestock.</b> Describe any livestock fencing or guards that may be necessary to prevent livestock from entering project areas. State if the fencing would be electrified and if so, how it would be powered.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.11</b>	<b>Dust, Erosion, and Runoff Controls (All Projects)</b>											
<b>3.5.11.1</b>	<b>Dust.</b> Describe specific best management practices that would be implemented to manage fugitive dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.11.2</b>	<b>Erosion.</b> Describe specific best management practices that would be implemented to manage erosion.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.11.3</b>	<b>Runoff.</b> Describe specific best management practices that would be implemented to manage stormwater runoff and sediment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.12</b>	<b>Water Use and Dewatering (All Projects)</b>											
<b>3.5.12.1</b>	<b>Water Use.</b> Describe the estimated volumes of water that would be used by construction activity (e.g., dust control, compaction, etc.). State if recycled or reclaimed water would be used and provide estimated volumes. Identify the anticipated sources where the water would be acquired or purchased. Identify if the source of water is groundwater and the quantity of groundwater that could be used.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>3.5.12.2</b>	<b>Dewatering</b>											
	a) Describe dewatering procedures during construction, including pumping, storing, testing, permitted discharging, and disposal requirements that would be followed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the types of equipment and workspace considerations to be used to dewater, store, transport, or discharge extracted water.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.13</b>	<b>Hazardous Materials and Management (All Projects)</b>											
<b>3.5.13.1</b>	<b>Hazardous Materials</b>											
	a) Describe the types, uses, and volumes of all hazardous materials that would be used during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) State if herbicides or pesticides may be used during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) If a pre-existing hazardous waste were encountered, describe the process of removal and disposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.13.1</b>	<b>Hazardous Materials</b>											
	a) Identify specific best management practices that would be followed for transporting, storing, and handling hazardous materials,.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify specific best management practices that would be followed in the event of an incidental leak or spill of hazardous materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide a Hazardous Substance Control and emergency Response Plan/Hazardous Waste and Spill Prevention Plan as an Appendix to the PEA, if appropriate.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.14</b>	<b>Waste Generation and Management (All Projects)</b>											
<b>3.5.14.1</b>	<b>Solid Waste</b>											
	a) Describe solid waste streams from existing and proposed facilities during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify procedures to be implemented to manage solid waste, including collection, containment, storage, treatment, and disposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide estimated total volumes of solid waste by construction activity or project component.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the recycling potential of solid waste materials and provide estimated volumes of recyclable materials by construction activity or project component.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Identify the locations of appropriate disposal and recycling facilities where solid wastes would be transported.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.14.2</b>	<b>Liquid Waste</b>											
	a) Describe liquid waste streams during construction (i.e., sanitary waste, drilling fluids, contaminated water, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	b) Describe procedures to be implemented to manage liquid waste, including collection, containment, storage, treatment, and disposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide estimated volumes of liquid waste generated by construction activity or project component.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Identify the locations of appropriate disposal facilities where liquid wastes would be transported.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.14.3</b>	<b>Hazardous Waste</b>											
	a) Describe potentially hazardous waste streams during construction and procedures to be implemented to manage hazardous wastes, including collection, containment, storage, treatment, and disposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) If large volumes of hazardous waste are anticipated, such as from a pre-existing contaminant in the soil that must be collected and disposed of, provide estimated volumes of hazardous waste that would be generated by construction activity or project component.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify the locations of appropriate disposal facilities where hazardous wastes would be transported.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.15</b>	<b>Fire Prevention and Response (All Projects)</b>											
<b>3.5.15.1</b>	<b>Fire Prevention and Response Procedures.</b> Describe fire prevention and response procedures that would be implemented during construction. Provide a Construction Fire Prevention Plan or specific procedures as an Appendix to the PEA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.15.2</b>	<b>Fire Breaks.</b> Identify any fire breaks (i.e., vegetation clearance) requirements around specific project activities (i.e., hot work). Ensure that such clearance buffers are included in the limits of the defined work areas, and the vegetation removal in that area is attributed to Fire Prevention and Response (refer to 3.5.4.3: Vegetation Clearing).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.6 Construction Workforce, Equipment, Traffic, and Schedule</b>												
<b>3.6.1</b>	<b>Construction Workforce</b>											
	a) Provide the estimated number of construction crew members. In the absence of project-specific data, provide estimates based on past projects of a similar size and type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the crew deployment. Would crews work concurrently (i.e., multiple crews at different sites); would they be phased? How many crews could be working at the same time and where?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) 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 number and types of equipment expected to be used for the activity. Include a written description of the activity.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
3.6.2	<b>Construction Equipment.</b> Provide a tabular list of the types of equipment expected to be used during construction of the Proposed Project including the horsepower. Define the equipment that would be used by each phase.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.6.3	<b>Construction Traffic</b>	<input checked="" type="checkbox"/>										
	a) Describe how the construction crews and their equipment would be transported to and from the proposed Project Site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide vehicle type, number of vehicles, and estimated hours of operation per day, week, and month for each construction activity and phase.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide estimated vehicle trips and vehicles miles traveled (VMT) for each construction activity and phase. Provide separate values for construction crews commuting, haul trips, and other types of construction traffic.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.6.4	<b>Construction Schedule</b>											
	a) Provide the proposed construction schedule (e.g., month and year) for each segment or project component, and for each construction activity and phase.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide and explain the sequencing of construction activities, and if they would or would not occur concurrently.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide the total duration of each construction activity and phase in days or weeks.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Identify seasonal considerations that may affect the construction schedule, such as weather or anticipated wildlife restrictions, etc. The proposed construction should account for such factors.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.6.5	<b>Work Schedule</b>											
	a) Describe the anticipated work schedule, including the days of the week and hours of the day when work would occur. Clearly state if work would occur at night or on weekends and identify when and where this could occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Provide the estimated number of days or weeks that construction activities would occur at each type of work area. For example, construction at a stationary facility or staging area may occur for the entire duration of construction, but construction at individual work areas along a linear project would be limited to a few hours, days or weeks, and only a fraction of the total construction period.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.7 Post-Construction</b>												
3.7.1	<b>Configuring and Testing.</b> Describe the process and duration for post-construction configuring and testing of facilities. Describe the number of personnel and types of equipment that would be involved.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>



**PEA Checklist Section:** 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	a) Describe the existing and proposed inspection programs for each project component, including the type, frequency, and timing of scheduled inspections (i.e., aerial inspection, ground inspection, pipeline inline inspections).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe any enhanced inspections, such as within any High Fire Threat Districts consistent with applicable Wildfire Management Plan requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe the inspection processes, such as the methods, number of crew members, and how access would occur (i.e., walk, vehicle, allterrain vehicle, helicopter, drone, etc.). If new access would be required, describe any restoration that would be provided for the access roads.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.8.4</b>	<b>Maintenance Programs</b>											
	a) Describe the existing and proposed maintenance programs for each project component.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe scheduled maintenance or facility replacement after the designated lifespan of the equipment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify typical parts and materials that require regular maintenance and describe the repair procedures.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe any access road maintenance that would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe maintenance for surface or color treatment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe cathodic protection maintenance that would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe ongoing landscaping maintenance that would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.8.5</b>	<b>Vegetation Management Programs</b>											
	a) Describe vegetation management programs within and surrounding project facilities. Distinguish between any different types of vegetation management.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe any enhanced vegetation management, such as within any High Fire Threat Districts consistent with any applicable Wildfire Management Plan requirements. Identify the areas where enhanced vegetation management would be conducted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.9 Decommissioning</b>												
<b>3.9.1</b>	<b>Decommissioning.</b> Provide detailed information about the current and reasonably foreseeable plans for the disposal, recycling, or future abandonment of all project facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.10 Anticipated Permits and Approvals</b>												
<b>3.10.1</b>	<b>Anticipated Permits and Approvals.</b> Identify all necessary federal, state, regional, and local permits that may be required for the project. For each permit, list the responsible agency and district/office representative with contact information, type of permit or approval, and status of each permit with date filed or planned to file.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
3.10.2	<b>Rights-of-Way or Easement Applications.</b> Demonstrate that applications for ROWs or other proposed land use have been or soon will be filed with federal, state, or other land-managing agencies that have jurisdiction over land that would be affected by the project (if any). Discuss permitting plans and timeframes and provide the contact information at the federal agency(ies) approached.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.11 Applicant Proposed Measures</b>												
3.11	<b>Applicant Proposed Measures</b>						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	a) Provide a table with the full text of any Applicant Proposed Measure. Where applicable, provide a copy of Applicant procedures, plans, and standards referenced in the Applicant Proposed Measures.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		A complete table of Applicant Proposed Measures is included in Section 3.11 of this PEA. Referenced plans, procedures, and standards will be included on an as-available basis. Some of these materials are dependent on field surveys and/or will be most effective prepared closer to the scheduled commencement of ground-breaking activities (ie. Nesting Bird Management Plan).	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Within Chapter 5, describe the basis for selecting a particular Applicant Proposed Measure and how the Applicant Proposed Measure would reduce the impacts of the project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Carefully consider each CPUC Draft Environmental Measure identified in Chapter 5 of this PEA Checklist. The CPUC Draft Environmental Measures will be applied to the Proposed Project where applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.12 Project Description Graphics, Mapbook, and GIS Requirements</b>												
3.12.1	<b>Graphics.</b> Provide diagrams of the following as applicable:											
	a) All pole, tower, pipe, vault, conduit, and retaining wall types	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) For poles, provide typical drawings with approximate diameter at the base and tip; for towers, estimate the width at base and top.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) A typical detail for any proposed underground duct banks and vaults	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) All substation, switchyard, building, and facility layouts	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Trenching, drilling, pole installation, pipe installation, vault installation, roadway construction, facility removal, helicopter uses, conductor installation, traffic control, and other construction activities where a diagram would assist the reader in visualizing the work area and construction approach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Typical profile views of proposed aboveground facilities and existing facilities to be modified within the existing and proposed ROW (e.g., typical cross-section of existing and proposed facilities by project segment).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Photos of representative existing and proposed structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**PEA Checklist Section:** 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
3.12.2	<b>Mapbook.</b> Provide a detailed mapbook on an aerial imagery basemap at a scale between 1:3000 and 1:6000 (or as appropriate and legible) that show mileposts, roadways, and all project components and work areas including:											
	a) All proposed above-ground and underground structure/facility locations (e.g., poles, conductor, substations, compressor stations, telecommunication lines, vaults, duct bank, lighting, markers, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) All existing structures/facilities that would be modified or removed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify by milepost where existing ROW will be used and where new ROW or land acquisition will be required.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) All permanent work areas including permanent facility access	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) All access roads including, existing, temporary, and new permanent access	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) All temporary work areas including staging, material storage, field offices, material laydown, temporary work areas for above ground (e.g., pole installation) and underground facility construction (e.g., trenching and duct banks), helicopter landing zones, pull and tension sites, guard structures, shoo flies etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Areas where special construction methods (e.g., jack and bore, HDD, blasting, retaining walls etc.) may need to be employed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	areas proposed for blasting are not indicated	Areas where blasting may occur are shown in an added figure in Chapter 3. A draft Blasting Plan has been included as a new appendix (Appendix M) and detailed locations are shown in added Appendix M. The final Blasting Plan is anticipated to be prepared in Q3 2028 following geotechnical work.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Areas where vegetation removal may occur	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	if applicable	Vegetation removal may occur in structure locations, access roads, and staging areas.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Areas to be heavily graded and where slope stabilization measures would be employed including any retaining walls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.12.3	<b>GIS Data.</b> Provide GIS data for all features and ROW shown on the detailed mapbook.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.12.4	<b>GIS Requirements.</b> Provide the following information for each pole/tower that would be installed and for each pole/tower that would be removed:											
	a) Unique ID number and type of pole (e.g., wood, steel, etc.) or tower (e.g., self-supporting lattice) both in a table and in the attributes of the GIS data provided	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify pole/tower heights and conductor sizes in the attributes of the GIS data provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 3. Proposed Project Description

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
3.12.5	<b>Natural Gas Facilities GIS Data.</b> For natural gas facilities, provide GIS data for system cross ties and all laterals/taps, valve stations, and new and existing inspection facilities (e.g., pig launcher sites).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line  
**Reviewer(s):** Anne Surdzial  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** Required Appendices and Supporting Materials  
 ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A		Date: 8/7/25	Yes	No		Date:	Yes	No
1	Appendix A - Detailed Maps and Design Drawings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No appendices provided in the prefilng submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2	Appendix B - Emissions Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3	Appendix C -Biological Resources Technical Reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4	Appendix D - Cultural Resources Studies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5	Appendix E - Detailed Tribal Consultation Report  Include summary and timing of all correspondence to and from any Tribes and the SHPO/NAHC, including Sacred Lands File search results, and full descriptions of any issues identified by Tribes in their interactions with the Applicant.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
6	Appendix F - Environmental Data Resources Report, Phase I Environmental Site Assessment, or similar hazardous materials report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
7	Appendix G - Agency Consultation and Public Outreach Report and Records of Correspondence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
8	Appendix H - Construction Fire Prevention Plan  The Construction Fire Prevention Plan will be provided to federal, state, and local fire agencies for review and comment as applicable to where components of the Proposed Project would be located. CPUC will approve the final Plan. Record of request for reviw and comment and any comments received from these agencies will be provided to CPUC CEQA Unit Staff.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** Formatting and Basic PEA Data Needs, Including GIS Data  
 ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
1	Editable and fully functional source files in electronic format for all PDFs, hardcopies, maps, images, and diagrams.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Word files for PEA sections were provided. Reminder to submit source files for future submittals.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Files provided in original file format and output file format.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Word files for PEA sections were provided. Reminder to submit source files for future submittals.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	All Excel and other spreadsheet files or modeling files include all underlying formulas/modeling details. All modeling files fully functional.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Modeling not provided in this submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2	Details about types of GIS data and maps provided in Attachment 1.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GIS data/maps not provided in this submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3	All Project features (including Project components and temporary and permanent work areas) are included within all survey boundaries (e.g., biological and cultural resources).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Project details and GIS files not provided in this submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4	Provide Excel spreadsheets with emissions calculations complete with all Project assumptions, values, and formulas used to prepare emissions calculations in the PEA.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Emissions calculations not submitted with this submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Accompanying PDF files with same emissions calculations information provided as Appendix B to the PEA.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Emissions calculations not submitted with this submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5	Provide Excel spreadsheet of comprehensive mailing list of all affected landowners and residents for both the Proposed Project <u>and</u> Alternatives.				Mailing list not provided with this submittal.							
	An affected landowner or resident is defined as one whose place of residence or property is: (i) crossed by or abuts any component of the Proposed Project or an Alternative including any permanent or temporary disturbance area (either above or below ground) and any extra work area (e.g., staging or parking area); or (ii) located within approximately 1,000 feet of the edge of any construction work area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	The Excel spreadsheet should include the following information for each resident, at minimum:											
	- Owner Name	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Mailing Address (include unit number if multi-unit property)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Parcel Physical Address (include unit number if multi-unit property)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Parcel APN	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Individual Occupant Names & Addresses (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
- Facility Names & Addresses (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
- Business Names & Addresses (if applicable)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	

**PEA Checklist Section:** Formatting and Basic PEA Data Needs, Including GIS Data

ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
6	PEA sections should be organized as follows: -- Cover -- Table of Contents, List of Tables, List of Figures, List of Appendices 1 Executive Summary 2 Introduction 3 Proposed Project Descripton 4 Description of Alternatives 5 Environmental Analysis 5.1 Aesthetics 5.2 Agriculture and Forestry 5.3 Air Quality 5.4 Biological Resources 5.5 Cultural Resources 5.6 Energy 5.7 Geology, Soils, and Paleontological Resources 5.8 Greenhouse Gas Emissions 5.9 Hazards, Hazardous Materials, and Public Safety 5.10 Hydrology and Water Quality 5.11 Land Use and Planning 5.12 Mineral Resources 5.13 Noise 5.14 Population and Housing 5.15 Public Services 5.16 Recreation 5.17 Transportation 5.18 Tribal Cultural Resources 5.19 Utilities and Service Systems 5.20 Wildfire 5.21 Mandatory Findings of Significance 6 Comparison of Alternatives 7 Cumulative Impacts and Other CEQA Considerations 8 List of Preparers 9 References* -- Appendices  *References organized by section but contained in a single chaper called "References"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The document follows the outline provided in the Guidelines for Energy Projects Applications requiring CEQA Compliance but as a prefilling document does not provide detailed information in several locations throughout the document. See comments on specific PEA sections for additional information.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line  
**Reviewer(s):** Anne Surdzial  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** Cover  
 ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
1	Cover is a single sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2	Title "Proponent's Environmental Assessment" and filing date	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3	Proponent Name (the Applicant)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4	Name of the Proposed Project  If approved by the CAISO, the Project Name listed will match the name specified in the CAISO approval. List all versions if multiple names apply.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reminder to change the name of the project to Ironwood in future submittals (general comment for whole PEA).		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5	Technical subheading summarizing type of project and its major components, in 1 sentence or about 40 words  Example: A new 1,120 MVA, 500/115kV substation, 10 miles of new singled-circuit 500kV transmission lines, 25 miles of new and replaced double-circuit 115kV power lines, and upgrades at three existing substations are proposed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
6	Proposed Project Location (all counties and municipalities or map figure including all areas)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
7	Proceeding for which PEA was prepared and CPUC Docket number (if known). If unknown, leave a blank where Docket number would go.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Please add after submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
8	Provide the following information for the Primary Contact for the Project Applicant(s) and entities that prepared the PEA:											
	- Name	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Address	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Telephone Number	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Email Address	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line  
**Reviewer(s):** Anne Surdzial  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** Required Appendices and Supporting Materials  
 ECORP Project Number: 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A		Date:	Yes	No		Date:	Yes	No
1	Appendix A - Detailed Maps and Design Drawings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No appendices provided in the prefilng submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2	Appendix B - Emissions Calculations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3	Appendix C -Biological Resources Technical Reports	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4	Appendix D - Cultural Resources Studies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5	Appendix E - Detailed Tribal Consultation Report  Include summary and timing of all correspondence to and from any Tribes and the SHPO/NAHC, including Sacred Lands File search results, and full descriptions of any issues identified by Tribes in their interactions with the Applicant.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
6	Appendix F - Environmental Data Resources Report, Phase I Environmental Site Assessment, or similar hazardous materials report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
7	Appendix G - Agency Consultation and Public Outreach Report and Records of Correspondence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
8	Appendix H - Construction Fire Prevention Plan  The Construction Fire Prevention Plan will be provided to federal, state, and local fire agencies for review and comment as applicable to where components of the Proposed Project would be located. CPUC will approve the final Plan. Record of request for review and comment and any comments received from these agencies will be provided to CPUC CEQA Unit Staff.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line  
**Reviewer(s):** Anne Surdzial  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** Potentially Required Appendices  
 ECORP Project Number: 2020-196.01

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<i>The following appendices are potentially required. Anticipated appendix and study requirements should be discussed with CPUC Staff during pre-filing.</i>												
1	Appendix I - Noise Technical Studies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No appendices provided in the pre-filing submittal.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2	Appendix J - Traffic Studies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3	Appendix K - Geotechnical Investigations (may be preliminary at time of the PEA filing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4	Appendix L - Hazardous Substances Control and Emergency Response Plan/Hazardous Waste and Spill Prevention Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5	Appendix M - Erosion and Sediment Control Best Management Practice Plan/Draft Storm Water Pollution Prevention Plan (may be preliminary at time of PEA filing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
6	Appendix N - FAA Notice and Criteria Tool Results	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
7	Appendix O - Revegetation or Site Restoration Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
8	Appendix P - Health and Safety Plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
9	Appendix Q - Existing Easements  Easements should be provided military lands, conservation easements, or other lands where the real estate agreement specifies the range of activities that can be conducted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
10	Appendix R - Blasting Plan (may be preliminary at time of PEA filing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
11	Appendix S - Traffic Control/Management Plan (may be preliminary at time of PEA filing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
12	Appendix T - Work Environmental Awareness Program (may be preliminary at time of PEA filing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
13	Appendix U - Helicopter Use and Safety Plan (may be preliminary at time of PEA filing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
14	Appendix V - Electric and Magnetic Fields Management Plan (may be preliminary at time of PEA filing)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line Project  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** 1. Executive Summary  
 ECORP Project Number: CPUC 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
1.1	<b>Proposed Project Summary.</b> Provide a summary of the Proposed Project and its underlying purpose and basic objectives.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.2	<b>Land Ownership and Right-of-Way Requirements.</b> Provide a summary of the existing and proposed land ownership and rights-of-way for the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Does the Project Proponent own any ROW in the Project Area?		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.3	<b>Areas of Controversy.</b> Identify areas of anticipated controversy and public concern regarding the Project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A summary of potential controversies should be provided in the PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.4	<b>Summary of Impacts</b>				This information will be provided in the Filing PEA.							
	- Identify all impacts expected by the Applicant to be potentially significant.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Identify and discuss Applicant Proposed Measures and provide a reference to the full listing of Applicant Proposed Measures provided in the table described in Section 3.11 of the PEA Checklist.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	- Identify any significant and unavoidable impacts that may occur.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.5	<b>Summary of Alternatives.</b> Summarize alternatives that were considered by the Applicant and the process and criteria that were used to select the Proposed Project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.6	<b>Pre-filing Consultation and Public Outreach Summary.</b> Briefly summarize Pre-filing consultation and public outreach efforts that occurred and identify any significant outcomes that were incorporated into the Proposed Project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	According to Section 2.2, there has been initial outreach in 2024 and early 2025. The Applicant is reminded that (per footnote 11 on page 12 of the PEA Guidelines) CPUC CEQA Unit Staff request that consultation and public outreach that occurs during the Pre-filing period and throughout environmental review include the assigned CPUC Staff person and CPUC consultant.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.7	<b>Conclusions.</b> Provide a summary of the major PEA conclusions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
1.8	<b>Remaining Issues.</b> Describe any major issues that must still be resolved.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>



Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	a) Identify and describe the basic project objectives.  The objectives will include reasons for constructing the project based on its purpose and need (i.e., address a specific reliability issue). The description of the project objectives will be sufficiently detailed to permit CPUC to independently evaluate the project need and benefits to accurately consider them in light of the potential environmental impacts. The basic project objectives will be used to guide the alternatives screening process, when applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Explain how implementing the project will achieve the basic project objectives and underlying purpose and need.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Explanations not clearly provided for the first 2 objectives. For an example, see a recently-completed PEA here: <a href="https://ia.cpuc.ca.gov/environment/info/esa/pscv/pdfs/PEA_Appendix_B.pdf">https://ia.cpuc.ca.gov/environment/info/esa/pscv/pdfs/PEA_Appendix_B.pdf</a>		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Discuss the reasons why attainment of each basic objective is necessary or desirable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2.1.3	<b>Project Applicant(s).</b> Identify the project Applicant(s) and ownership of each component of the Proposed Project. Describe each Applicant's utility services and their local and regional service territories.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Section numbered 2.1.4		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>2.2 Pre-filing Consultation and Public Outreach</b>												
2.2.1	<b>Pre-filing Consultation and Public Outreach.</b> a) Describe all pre-filing consultation and public outreach that occurred, such as, but not limited to:				Information not detailed in this document							
	i) CAISO	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Public agencies with jurisdiction over project areas or resources that may occur in the Project Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Native American tribes affiliated with the Project Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iv) Private landowners and homeowner associations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	v) Developers for large housing or commercial projects near the Project Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	vi) Other utility owners and operators	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	vii) Federal, state, and local fire management agencies	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide meeting dates, attendees, and discussion summaries, including any preliminary concerns and how they were addressed and any project alternatives that were suggested.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Clearly identify any significant outcomes of consultation that were incorporated into the Proposed Project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Clearly identify any developments that could coincide or conflict with Project activities (i.e., developments within or adjacent to a proposed ROW).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**PEA Checklist Section:** 2. Introduction  
 ECORP Project Number: CPUC 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
2.2.2	<b>Records of Consultation and Public Outreach.</b> Provide contact information, notification materials, meeting dates and materials, meeting notes, and records of communication organized by entity as an Appendix to the PEA (Appendix G).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	According to Section 2.2, there has been initial outreach in 2024 and early 2025. The Applicant is reminded that (per footnote 11 on page 12 of the PEA Guidelines) CPUC CEQA Unit Staff request that consultation and public outreach that occurs during the Pre-filing period and throughout environmental review include the assigned CPUC Staff person and CPUC consultant.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>2.3 Environmental Review Process</b>												
2.3.1	<b>Environmental Review Process.</b> Provide a summary of the anticipated environmental review process and schedule.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2.3.2	<b>CEQA Review.</b>											
	a) Explain why CPUC is the appropriate CEQA Lead agency.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify other state agencies and any federal agencies that may have discretionary permitting authority over any aspect of the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify all potential involvement by federal, state, and local agencies not expected to have discretionary permitting authority (i.e., ministerial actions).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Summarize the results of any preliminary outreach with these agencies as well as future plans for outreach.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	this discussion should be done as soon as feasible		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2.3.3	<b>NEPA Review (if applicable).</b> If review according to NEPA is expected, explain the portions of the Project that will require the NEPA review process. Discuss which agency is anticipated to be the NEPA Lead agency if discretionary approval by more than one federal agency is required.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
2.3.4	<b>Pre-filing CEQA and NEPA Coordination.</b> Describe the results of Pre-filing coordination with CEQA and NEPA review agencies (refer to CPUC's Pre-Filing Consultation Guidelines). Identify major outcomes of the Pre-filing coordination process and how the information was incorporated into the PEA, including suggestions on the type of environmental documents and joint or separate processes based on discussions with agency staff.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not done for this document this discussion should be held as soon as feasible		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>2.4 Document Organization</b>												
2.4	<b>PEA Organization.</b> Summarize the contents of the PEA and provide an annotated list of its sections.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Adequate		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line Project  
**Reviewer(s):** Kelly Hobbs/Anne Surdzial  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** 3. Proposed Project Description  
 ECORP Project Number: CPUC 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No

As noted in the pre-filing PEA, the PEA has been prepared without route specific detail regarding location; land ownership, right-of-way (ROW), and easements; construction methodologies, construction workforce, equipment, traffic, and schedule; post-construction activities; operation, maintenance, and decommissioning-related work; and anticipated permits and approvals. These details need to be provided for the CPUC to accurately evaluate the environmental effects of the project and to provide meaningful comments to the Applicant. Therefore, many items are noted as both included and not included in this review.

**General Comment**

Project setting and impact information throughout the PEA should clarify what is under CPUC's jurisdiction (in CA) and what is outside (in AZ).

**3.1 Project Overview**

3.1.1	Project Overview											
	a) Provide a concise summary of the Proposed Project and components in a few paragraphs.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Described the geographical location of the Proposed Project (i.e.,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	An overview is provided. Details (including maps) need to be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide an overview map of the proposed Project location.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	An overview/study area map is provided. Details regarding routes need to be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**3.2 Existing and Proposed System**

3.2.1	Existing System											
	a) Identify and describe the existing utility system that would be modified by the Proposed Project, including connected facilities to provide context. Include detailed information about substations, transmission lines, distribution lines, compressor stations, metering stations, valve stations, nearby renewable generation and energy storage facilities, telecommunications facilities, control systems, SCADA systems, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	please note the owners of the substations in next submittal.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide information on users and the area served by the existing system features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Explain how the proposed project would fit into the existing local and regional systems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide a schematic diagram of the existing system features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The labels on the figure are difficult to read.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide detailed maps and associated GIS data for existing facilities that would be modified by the Proposed Project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.2.2	Proposed Project System											
	a) Describe the whole of the Proposed Project by component, including all new facilities and any modifications, upgrades, or expansions to existing facilities and any interrelated activities that are part of the whole of the action.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Clearly identify system features that would be added, modified, removed, disconnected and left in place, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	<p>c) Identify the expected capacities of the proposed facilities, highlighting any changes from the existing system. If the project would not change existing capacities, make this statement.</p> <p>For electrical projects, provide the anticipated capacity increase in amps or megawatts or in the typical units for the types of facilities proposed.</p> <p>For gas projects, provide the total volume of gas to be delivered by the proposed facilities, anticipated system capacity increase (typically in million cubic feet per day), expected customers, delivery points and corresponding volumes, and the anticipated maximum allowable operating pressure(s).</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Section 3.2.2.3 describes the existing NGIV #1 transmission line capacity and the future capacity with the proposed project. This is the first time the NGIV#1 transmission line is mentioned and it is not defined in the need section in Chapter 2 or in the description of the existing utility system in Section 3.2.1.1. I'm guessing it is just called something else, but it should be the same name at all locations in the document,		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the initial buildout and eventual full buildout of the proposed project facilities. For example, if an electrical substation or gas compressor station would be installed to accommodate additional demand in the future, then include the designs for both the initial construction based on current demand and the design for all infrastructure that could ultimately be installed within the planned footprint of an electric substation or compressor station.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Explain whether the electric line or gas pipeline will create a second system tie or loop for reliability.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Provide information on users and the area served by the proposed system features, highlighting any differences from the existing system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Provide a schematic diagram of the proposed system features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The labels on Figure 3-2 are difficult to read.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Provide detailed maps and associated GIS data for proposed facilities that would be installed, modified, or relocated by the Proposed Project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	To be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.2.3	<b>System Reliability.</b> Explain whether the electric line or gas pipeline will create a second system tie or loop for reliability. Clearly explain and show how the Proposed Project relates to and supports the existing utility systems.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.2.4	<b>Planning Area.</b> Describe the system planning area served or to be served by the project. Clearly define the Applicant's term for the planning area (e.g., Electrical Needs Area or Distribution Planning Area).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There are several locations where the PEA ask for a description of the areas or populations that would be served by the project, and the description is different in each location. For example, Section 3.2.3 says downtown San Diego, Imperial County, and Orange County. This section says downtown San Diego and Orange County, Section 3.2.2.6 says Imperial County, LA Basin, and San Diego. These are just examples, there may be other text. Please make consistent. Additionally, the PEA requires a separate term for the planning area.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**3.3 Project Components**

**Required for All Project Types**

3.3.1	<b>Preliminary Design and Engineering</b>				To be included in the PEA							
	a) Provide preliminary design and engineering information for all above-ground and below-ground facilities for the Proposed Project. The approximately locations, maximum dimensions of facilities, and limits of areas that would be needed to construction and operate the facilities should be clearly defined.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide preliminary design drawings for project features and explain the level of completeness (i.e., percentage).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide detailed project maps (approximately 1:3,000 scale) and associated GIS data of all facility locations and boundaries with attributes and spatial geometry that corresponds to information in the Project Description.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>3.3.2</b>	<b>Segments, Components, and Phases</b>											
	a) Define all project segments, components, and phases for the Proposed Project.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the length/area of each segment or component, and the timing of each development phase.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide an overview map showing each segment and provide associated GIS data (may be combined with other mapping efforts).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.3</b>	<b>Existing Facilities</b>				To be included in the Filing PEA							
	a) Identify the types of existing facilities that would be removed or modified by the Proposed Project (i.e., conductor/cable, poles/towers, substations, switching stations, gas storage facilities, gas pipelines, service buildings, communication systems, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the existing facilities by Project segment and/or component, and provide information regarding existing dimensions, areas/footprints, quantities, locations, spans, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Distinguish between above-ground and below-ground facilities and provide both depth and height ranges for each type of facility. For poles/towers, provide the installation method (i.e., foundation type or direct bury), and maximum above-ground heights and below-ground depths.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Explain what would happen to the existing facilities. Would they be replaced, completely removed, modified, or abandoned? Explain why.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Identify the names, types, materials, and capacity/volumes ranges (i.e., minimum and maximum) of existing facilities that would be installed or modified by the Proposed Project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Provide diagrams with dimensions representing existing facilities to provide context on how the proposed facilities would be different.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Briefly describe the surface colors, textures, light reflectivity, and any lighting of existing facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.4</b>	<b>Proposed Facilities</b>											
	a) Identify the types of proposed facilities to be installed or modified by the Proposed Project (e.g., conductor/cable, poles/towers, substations, switching stations, gas storage facilities, gas pipelines, service buildings, communication systems).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the proposed facilities by project segment and/or component, and provide information regarding maximum dimensions, areas/footprints, quantities, locations, spans, etc.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Distinguish between above-ground and below-ground facilities and provide both depth and height ranges for each type of facility. For poles/towers, provide the installation method (i.e., foundation type or direct bury), and maximum above-ground heights and below-ground depths.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Identify where facilities would be different (e.g., where unique or larger poles would be located, large guy supports or snub poles).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide details about civil engineering requirements (i.e., permanent roads, foundations, pads, drainage systems, detention basins, spill containment, etc.).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Distinguish between permanent facilities and any temporary facilities (i.e., poles, shoo-fly lines, mobile substations, mobile compressors, transformers, capacitors, switch racks, compressors, valves, driveways, and lighting).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	To be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section:		3. Proposed Project Description										
ECORP Project Number:		CPUC 2020-196.03										
Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	g) Identify the names, types, materials, and capacity/volumes ranges (i.e., minimum and maximum) of proposed facilities that would be installed or modified by the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Provide diagrams with dimensions representing existing facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Briefly describe the surface colors, textures, light reflectivity, and any lighting of proposed facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.5</b>	<b>Other Potentially Required Facilities</b>											
	a) Identify and describe in detail any other actions or facilities that may be required to complete the Project. For example, consider the following questions:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Could the project require the relocation (temporary or permanent), modification, or replacement of unconnected utilities or other types of infrastructure by the Applicant or any other entity?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Could the project require aviation lighting and/or marking?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Could the project require additional civil engineering requirements to address site conditions or slope stabilization issues, such as pads and retaining walls, etc.?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the location of each facility and a description of the facility.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.6</b>	<b>Future Expansions and Equipment Lifespans</b>											
	a) Provide detailed information about the current and reasonably foreseeable plans for expansion and future phases of development.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the expected usable life of all facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe all reasonably foreseeable consequences of the Proposed Project (e.g., future ability to upgrade gas compressor station to match added pipeline capacity).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>Required for Certain Project Types</b>												
<b>3.3.7</b>	<b>Below-ground Conductor/Cable Installations (as Applicable)</b>											
	a) Describe the type of line to be installed (e.g., single circuit crosslinked polyethylene-insulated solid-dielectric, copper-conductor cables).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the type of casing the cable would be installed in (e.g., concrete-encased duct bank system) and provide the dimensions of the casing.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Describe the types of infrastructure would likely be installed within the duct bank (e.g., transmission, fiber optics, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.8</b>	<b>Electric Substations and Switching Stations (as Applicable)</b>											
	a) Provide the number of transformer banks that will be added at initial and full buildout of the substation. Identify the transformer voltage and number of each transformer type.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify any gas insulated switchgear that will be installed within the substation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe any operation and maintenance facilities, telecommunications equipment, and SCADA equipment that would be installed within the substation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.9</b>	<b>Gas Pipelines (as Applicable).</b> For each segment:											
	a) Identify pipe diameter, number and length of exposed sections, classes and types of pipe to be installed, pressure of pipe, and cathodic protection for each linear segment.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe new and existing inspection facilities (e.g., pig launcher sites).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	c) Describe system cross ties and laterals/taps.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Identify the spacing between each valve station.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe the compressor station, if needed, for any new or existing pipeline.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe all pipelines and interconnections with existing and proposed facilities, including:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Number of interconnections and locations and sizes;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) All below-ground and above-ground installations;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) All remote facility locations for metering, telemetry, control.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.10</b>	<b>Gas Storage Facilities – Background and Resource Information (as Applicable)</b>											
	a) Provide detailed background information on the natural gas formation contributing to the existing or proposed natural gas facility, including the following:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Description of overlying stratigraphy, especially caps	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Description of production, injection, and intervening strata	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Types of rock	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iv) Description of types of rocks in formation, including permeability or fractures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	v) Thickness of strata	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide a graphic and/or table showing formation thicknesses.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify and describe any potential gas migration pathways, such as faults, permeable contacts, abandoned wells, underground water or other pipelines.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide a summary and detailed cross-section diagrams of the geologic formations and structures of the oil/gas field or area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide the first well drilling and production history, abandonment procedures, inspections, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe production zones, including depth, types of formations, and characteristics of field/area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe the existing and proposed storage capacity and limiting factors, such as injection or withdrawal capacities.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Describe existing simulation studies that were used to predict the reservoir pressure response under gas injection and withdrawal operations, and simulation studies for how the system would change as proposed. Provide the studies as a PEA Appendix.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Provide the history of the oil/gas field or area.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.11</b>	<b>Gas Storage Facilities – Well-Head Sites (as Applicable).</b> Describe the location, depth, size and completion information for all existing, abandoned, proposed production and injection, monitoring, and test wells.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.12</b>	<b>Gas Storage Facilities – Production and Injection (as Applicable)</b>			<input checked="" type="checkbox"/>								
	a) Provide the proposed storage capacity of production and injection wells.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide production and injection pressures, depths, and rates.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide production and injection cycles by day, week, and year.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe existing and proposed withdrawal/production wells (i.e., size, depth, formations, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe existing and proposed cushion gas requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	f) Describe any cushion gas injection—formation the well is completed in (cushion gas formation), and injection information.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.13</b>	<b>Gas Storage Facilities – Electrical Energy (as Applicable).</b> Describe all existing and proposed electric lines, telecommunications facilities, and other utilities/facilities (e.g., administrative offices, service buildings, and non-hazardous storage), and chemical storage associated with the Proposed Project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.3.14</b>	<b>Telecommunication Lines (as Applicable)</b>											
	a) Identify the type of cable that is proposed and length in linear miles by segment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is this correct? Project does not appear to include telecommunication lines.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify any antenna and node facilities that are part of the project.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) For below-ground telecommunication lines, provide the depth of cable and type of conduit.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) For above-ground telecommunication lines, provide:											
	i) Types of poles that will be installed (if new poles are required)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Where existing poles will be used	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Any additional infrastructure (e.g., guy wires) or pole changes required to support the additional cable on existing poles	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4 Land Ownership, Rights-of-Way, and Easements</b>												
<b>3.4.1</b>	Land Ownership. Describe existing land ownership where each Project component would be located. State whether the Proposed Project would be located on property(ies) owned by the Applicant or if additional property would be required.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4.2</b>	<b>Existing Rights-of-Way or Easements</b>				details to be provided in Filing PEA							
	a) Identify and describe existing rights-of-way (ROWs) or easements where project components would be located. Provide the approximately lengths and widths in each Project Area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Clearly state if project facilities would be replaced, modified, or relocated within existing ROWs or easements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4.3</b>	<b>New or Modified Rights-of-Way or Easements</b>											
	a) Describe new permanent or modified ROWs or easements that would be required. Provide the approximately lengths and widths in each Project Area.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe how any new permanent or modified ROWs or easements would be acquired.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide site plans identifying all properties/parcels and partial properties/parcels that may require acquisition and the anticipated ROWs or easements. Provide associated GIS data.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe any development restrictions within new ROWs or easements, e.g., building clearances and height restrictions, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe any relocation or demolition of commercial or residential property/structures that may be necessary.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.4.4</b>	<b>Temporary Rights-of-Way or Easements</b>											
	f) Describe temporary ROWs or easements that would be required to access project areas, including ROWs or easements for temporary construction areas (i.e., staging areas or landing zones).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>





Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	a) Describe known work areas that may be required for specific construction activities (e.g., pole assembly, hillside construction).  Each specific work area may not be determined until the final work plan is submitted by the construction contractor. Estimate total area likely to be disturbed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the types of activities that would be performed at each work area. Work areas may include but are not necessarily limited to:											
	i) Helicopter landing zones and touchdown areas	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	detail to be provided in Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Vehicle and equipment parking, passing, or turnaround areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Railroad, bridge, or watercourse crossings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iv) Temporary work pads for facility installation, modification, or removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	v) Excavations and associated equipment work areas	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	vi) Temporary guard structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	vii) Pull-and-tension/stringing sites	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	viii) Jack and bore pits, drilling areas and pull-back areas for horizontal directional drills	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ix) Retaining walls	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.3.2</b>	<b>Work Area Disturbance</b>											
	a) Provide the dimensions of each work area including the maximum area that would be disturbed during construction (e.g., 100 feet by 200 feet).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Table included but more information needed to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide a table with temporary and permanent disturbance at each work area (in square feet or acres), and the total area of temporary and permanent disturbance for the entire Project (in acres).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Table included but more information to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.3.3</b>	<b>Temporary Power.</b> Identify how power would be provided at work area (i.e., tap into existing distribution, use of diesel generators, etc.). Provide the disturbance area for any temporary power lines.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.4</b>	<b>Site Preparation (All Projects)</b>											
<b>3.5.4.1</b>	<b>Surveying and Staking.</b> Describe initial surveying and staking procedures for site preparation and access.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.4.2</b>	<b>Utilities</b>	<input checked="" type="checkbox"/>										
	a) Describe the process for identifying any underground utilities prior to construction (i.e., underground service alerts, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the process for relocating any existing overhead or underground utilities that aren't directly connected to the project system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe the process for installing any temporary power or other utility lines for construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.4.3</b>	<b>Vegetation Clearing</b>											
	a) Describe what types of vegetation clearing may be required (e.g., tree removal, brush removal, flammable fuels removal) and why (e.g., to provide access, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide calculations of temporary and permanent disturbance of each vegetation community and include all areas of vegetation removal in the GIS database. Distinguish between disturbance that would occur in previously developed areas (i.e., paved, graveled, or otherwise urbanized), and naturally vegetated areas.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	c) Describe how each type of vegetation removal would be accomplished.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the types of equipment that would be used for vegetation removal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.4.4</b>	<b>Tree Trimming Removal</b>											
	a) For electrical projects, distinguish between tree trimming as required under CPUC General Order 95-D and tree removal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify the types, locations, approximate numbers, and sizes of trees that may need to be removed or trimmed substantially.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify potentially protected trees that may be removed or substantially trimmed, such as but not limited to riparian trees, oaks trees, Joshua trees, or palm trees.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the types of equipment that would typically be used for tree removal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.4.5</b>	<b>Work Area Stabilization.</b> Describe the processes to stabilize temporary work areas and access roads including the materials that would be used (e.g., gravel).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.4.6</b>	<b>Grading</b>											
	a) Describe any earth moving or substantial grading activities (i.e., grading below a 6-inch depth) that would be required and identify locations where it would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide estimated volumes of grading (in cubic yards) including total cut, total fill, cut that would be reused, cut that would be hauled away, and clean fill that would be hauled to the site.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5</b>	<b>Transmission Line Construction (Above Ground)</b>											
<b>3.5.5.1</b>	<b>Poles/Towers</b>											
	a) Describe the process and equipment for removing poles, towers, and associated foundations for the proposed project (where applicable). Describe how they would be disconnected, demolished, and removed from the site. Describe backfilling procedures and where the material would be obtained.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the process and equipment for installing or otherwise modifying poles and towers for the proposed project. Describe how they would be put into place and connected to the system. Identify any special construction methods (e.g., helicopter installation) at specific locations or specific types of poles/towers.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Special construction locations (helicopter or other) to be described in filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe how foundations, if any, would be installed. 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. for foundations. Describe what would be done with soil removed from a hole/foundation site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	provide general measurements for depth, diameter, volumes, etc.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe how the poles/towers and associated hardware would be delivered to the site and assembled.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe any pole topping procedures that would occur, identify specific locations and reasons, and describe how each facility would be modified. Describe any special methods that would be required to top poles that may be difficult to access.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5.2</b>	<b>Aboveground and Underground Conductor/Cable</b>											
	a) Provide a process-based description of how new conductor/cable would be installed and how old conductor/cable would be removed, if applicable.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	b) Identify where conductor/cable stringing/installation activities would occur.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide a diagram of the general sequencing and equipment that would be used.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the conductor/cable splicing process.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide the general or average distance between pull-and-tension sites. Describe the approximate dimensions and where pull-and tension sites would generally be required (as indicated by the designated work areas), such as the approximate distance to pole/tower height ratio, at set distances, or at significant direction changes. Describe the equipment that would be required at these sites.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) For underground conductor/cable installations, describe all specialized construction methods that would be used for installing underground conductor or cable. If vaults are required, provide their dimensions and location/spacing along the alignment. Provide a detailed description for how the vaults would be delivered to the site and installed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe any safety precautions or areas where special methodology would be required (e.g., crossing roadways, stream crossing).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5.3</b>	<b>Telecommunications.</b> Identify the procedures for installation of proposed telecommunication cables and associated infrastructure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5.4</b>	<b>Guard Structures.</b> Identify the types of guard structures that would be used at crossings of utility lines, roads, railroads, highways, etc. Describe the different types of guard structures or methods that may be used (i.e., buried poles and netting, poles secured to a weighted object, bucket trucks, etc.). Describe any pole installation and removal procedures associated with guard structures. Describe guard structure installation and removal process and duration that guard structures would remain in place.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.5.5</b>	<b>Blasting</b>											
	a) Describe any blasting that may be required to construct the project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) If blasting may be required, provide a Blasting Plan that identifies the blasting locations; types and amounts of blasting agent to be used at each location; estimated impact radii; and, noise estimates. The Blasting Plan should be provided as an Appendix to the PEA.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide a map identifying the locations where blasting may be required with estimated impact radii. Provide associated GIS data.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.6</b>	<b>Transmission Line Construction (Below Ground)</b>											
<b>3.5.6.1</b>	<b>Trenching</b>											
	a) Describe the approximate dimensions of the trench (e.g., depth, width).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the total approximate volume of material to be removed from the trench, the amount to be used as backfill, and any amount to subsequently be removed/disposed of offsite in cubic yards.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe the methods used for making the trench (e.g., saw cutter to cut the pavement, backhoe to remove, etc.).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide off-site disposal location, if known, or describe possible option(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	e) Describe if dewatering would be anticipated and if so, how the trench would be dewatered, the anticipated flows of the water, whether there would be treatment, and how the water would be disposed of.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe the process for testing excavated soil or groundwater for the presence of pre-existing environmental contaminants that could be exposed from trenching operations	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) If a pre-existing hazardous waste were encountered, describe the process of removal and disposal.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Describe the state of the ground surface after backfilling the trench.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Describe standard Best Management Practices to be implemented.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.6.2</b>	<b>Trenchless Techniques (Microtunnel, Jack and Bore, Horizontal Directional Drilling)</b>											
	a) Identify any locations/features for which the Applicant expects to use a trenchless (i.e., microtunneling, jack and bore, horizontal directional drilling) crossing method and which method is planned for each crossing.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the methodology of the trenchless technique.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide the approximate location and dimensions of the sending and receiving pits.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the methodology of excavating and shoring the pits.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Provide the total volume of material to be removed from the pits, the amount to be used as backfill, and the amount subsequently to be removed/disposed of offsite in cubic yards.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe process for safe handling of drilling mud and bore lubricants.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe the process for detecting and avoiding "fracturing-out" during horizontal directional drilling operations.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Describe the process for avoiding contact between drilling mud/lubricants and stream beds.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) If engineered fill would be used as backfill, indicate the type of engineered backfill and the amount that would be typically used (e.g., the top 2 feet would be filled with thermal-select backfill).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	j) Describe if dewatering is anticipated and, if so, how the pits would be dewatered, the anticipated flows of the water, whether there would there be treatment, and how the water would be disposed of.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	k) Describe the process for testing excavated soil or groundwater for the presence of pre-existing environmental contaminants. Describe the process of disposing of any pre-existing hazardous waste that is encountered during excavation.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	l) Describe any standard BMPs that would be implemented for trenchless construction.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.7</b>	<b>Substation, Switching Stations, Gas Compressor Stations</b>											
<b>3.5.7.1</b>	<b>Installation or Facility Modification.</b> Describe the process and equipment for removing, installing, or modifying any substations, switching stations, or compressor stations including:											
	a) Transformers/ electric components	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Gas components	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Control and operation buildings	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>



Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	a) Describe traffic control procedures that would be implemented during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify the locations, process, and timing for closing any sidewalks, lanes, roads, trails, paths, or driveways to manage public access.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in the filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify temporary detour routes and locations.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in the filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Provide a preliminary Traffic Control Plan(s) for the project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in the filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.10.3</b>	<b>Security.</b> Describe any security measures, such as fencing, lighting, alarms, etc. that may be required. State if security personnel will be stationed at project areas and anticipated duration of security.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	details to be provided in the filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.10.4</b>	<b>Livestock.</b> Describe any livestock fencing or guards that may be necessary to prevent livestock from entering project areas. State if the fencing would be electrified and if so, how it would be powered.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.11</b>	<b>Dust, Erosion, and Runoff Controls (All Projects)</b>				details or revisions to be provided in the filing PEA							
<b>3.5.11.1</b>	<b>Dust.</b> Describe specific best management practices that would be implemented to manage fugitive dust.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.11.2</b>	<b>Erosion.</b> Describe specific best management practices that would be implemented to manage erosion.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.11.3</b>	<b>Runoff.</b> Describe specific best management practices that would be implemented to manage stormwater runoff and sediment.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.12</b>	<b>Water Use and Dewatering (All Projects)</b>											
<b>3.5.12.1</b>	<b>Water Use.</b> Describe the estimated volumes of water that would be used by construction activity (e.g., dust control, compaction, etc.). State if recycled or reclaimed water would be used and provide estimated volumes. Identify the anticipated sources where the water would be acquired or purchased. Identify if the source of water is groundwater and the quantity of groundwater that could be used.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	please specify what local irrigation water sources will be used for water supply and what percent of the water is estimated to be recycled/reclaimed.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.12.2</b>	<b>Dewatering</b>											
	a) Describe dewatering procedures during construction, including pumping, storing, testing, permitted discharging, and disposal requirements that would be followed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the types of equipment and workspace considerations to be used to dewater, store, transport, or discharge extracted water.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.13</b>	<b>Hazardous Materials and Management (All Projects)</b>											
<b>3.5.13.1</b>	<b>Hazardous Materials</b>											
	a) Describe the types, uses, and volumes of all hazardous materials that would be used during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) State if herbicides or pesticides may be used during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) If a pre-existing hazardous waste were encountered, describe the process of removal and disposal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	reference results of hazardous materials report in Section 5.9		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.13.2</b>	<b>Hazardous Materials Management</b>						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	a) Identify specific best management practices that would be followed for transporting, storing, and handling hazardous materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify specific best management practices that would be followed in the event of an incidental leak or spill of hazardous materials.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	c) Provide a Hazardous Substance Control and emergency Response Plan/Hazardous Waste and Spill Prevention Plan as an Appendix to the PEA, if appropriate.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	provide with filing PEA as necessary.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.14</b>	<b>Waste Generation and Management (All Projects)</b>											
<b>3.5.14.1</b>	<b>Solid Waste</b>											
	a) Describe solid waste streams from existing and proposed facilities during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify procedures to be implemented to manage solid waste, including collection, containment, storage, treatment, and disposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide estimated total volumes of solid waste by construction activity or project component.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe the recycling potential of solid waste materials and provide estimated volumes of recyclable materials by construction activity or project component.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Identify the locations of appropriate disposal and recycling facilities where solid wastes would be transported.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.14.2</b>	<b>Liquid Waste</b>											
	a) Describe liquid waste streams during construction (i.e., sanitary waste, drilling fluids, contaminated water, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe procedures to be implemented to manage liquid waste, including collection, containment, storage, treatment, and disposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide estimated volumes of liquid waste generated by construction activity or project component.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Identify the locations of appropriate disposal facilities where liquid wastes would be transported.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.14.3</b>	<b>Hazardous Waste</b>											
	a) Describe potentially hazardous waste streams during construction and procedures to be implemented to manage hazardous wastes, including collection, containment, storage, treatment, and disposal.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) If large volumes of hazardous waste are anticipated, such as from a pre-existing contaminant in the soil that must be collected and disposed of, provide estimated volumes of hazardous waste that would be generated by construction activity or project component.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify the locations of appropriate disposal facilities where hazardous wastes would be transported.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA. Also include if there will be temporary disposal at staging areas.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.15</b>	<b>Fire Prevention and Response (All Projects)</b>											
<b>3.5.15.1</b>	<b>Fire Prevention and Response Procedures.</b> Describe fire prevention and response procedures that would be implemented during construction. Provide a Construction Fire Prevention Plan or specific procedures as an Appendix to the PEA.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire Prevention Plan or specific procedures to be provided in filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.5.15.2</b>	<b>Fire Breaks.</b> Identify any fire breaks (i.e., vegetation clearance) requirements around specific project activities (i.e., hot work). Ensure that such clearance buffers are included in the limits of the defined work areas, and the vegetation removal in that area is attributed to Fire Prevention and Response (refer to 3.5.4.3: Vegetation Clearing).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.6 Construction Workforce, Equipment, Traffic, and Schedule</b>												
<b>3.6.1</b>	<b>Construction Workforce</b>											
	a) Provide the estimated number of construction crew members. In the absence of project-specific data, provide estimates based on past projects of a similar size and type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>



Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
3.7.3.1	<b>Demobilization.</b> Describe the process for demobilization after construction activities, but prior to leaving the work site. For example, describe final processes for removing stationary equipment and materials, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.7.3.2	<b>Site Restoration.</b> Describe how cleanup and post-construction restoration would be performed (i.e., personnel, equipment, and methods) on all project ROWs, sites, and extra work areas. Things to consider include, but are not limited to, restoration of the following:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	a) Restoring natural drainage patterns	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Recontouring disturbed soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Removing construction debris	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Vegetation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Permanent and semi-permanent erosion control measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Restoration of all disturbed areas and access roads, including restoration of any public trails that are used as access, as well as any damaged sidewalks, agricultural infrastructure, or landscaping, etc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Road repaving and striping, including proposed timing of road restoration for underground construction within public roadways	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.8 Operation and Maintenance</b>												
3.8.1	<b>Regulations and Standards</b>											
	a) Identify and describe all regulations and standards applicable to operation and maintenance of project facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide a copy of any applicable Wildfire Management Plan and describe any special procedures for wildfire management.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	not provided		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.8.2	<b>System Controls and Operation Staff</b>											
	a) Describe the systems and methods that the Applicant would use for monitoring and control of project facilities (e.g., on-site control rooms, remote facilities, standard monitoring and protection equipment, pressure sensors, automatic shut-off valves, and site and equipment specific for monitoring and control such as at natural gas well pads).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	provide a general location of Lone Star Transmission and state that no additional monitoring facilities need to be constructed (assuming this is the case).		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) If new full-time staff would be required for operation and/or maintenance, provide the number of positions and purpose.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.8.3	<b>Inspection Programs</b>											
	a) Describe the existing and proposed inspection programs for each project component, including the type, frequency, and timing of scheduled inspections (i.e., aerial inspection, ground inspection, pipeline inline inspections).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Will depend on Final Design		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe any enhanced inspections, such as within any High Fire Threat Districts consistent with applicable Wildfire Management Plan requirements.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included with filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe the inspection processes, such as the methods, number of crew members, and how access would occur (i.e., walk, vehicle, all terrain vehicle, helicopter, drone, etc.). If new access would be required, describe any restoration that would be provided for the access roads.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Additional information on number of crew members needed for annual inspections.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
3.8.4	<b>Maintenance Programs</b>											
	a) Describe the existing and proposed maintenance programs for each project component.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe scheduled maintenance or facility replacement after the designated lifespan of the equipment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify typical parts and materials that require regular maintenance and describe the repair procedures.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	d) Describe any access road maintenance that would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Describe maintenance for surface or color treatment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Describe cathodic protection maintenance that would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Describe ongoing landscaping maintenance that would occur.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.8.5</b>	<b>Vegetation Management Programs</b>											
	a) Describe vegetation management programs within and surrounding project facilities. Distinguish between any different types of vegetation management.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe any enhanced vegetation management, such as within any High Fire Threat Districts consistent with any applicable Wildfire Management Plan requirements. Identify the areas where enhanced vegetation management would be conducted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	note that Governor Newsom has recently required that the fire threat zones be re-evaluated.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.9 Decommissioning</b>												
<b>3.9.1</b>	<b>Decommissioning.</b> Provide detailed information about the current and reasonably foreseeable plans for the disposal, recycling, or future abandonment of all project facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.10 Anticipated Permits and Approvals</b>												
<b>3.10.1</b>	<b>Anticipated Permits and Approvals.</b> Identify all necessary federal, state, regional, and local permits that may be required for the project. For each permit, list the responsible agency and district/office representative with contact information, type of permit or approval, and status of each permit with date filed or planned to file.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	revise as needed at filing PEA submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.10.2</b>	<b>Rights-of-Way or Easement Applications.</b> Demonstrate that applications for ROWs or other proposed land use have been or soon will be filed with federal, state, or other land-managing agencies that have jurisdiction over land that would be affected by the project (if any). Discuss permitting plans and timeframes and provide the contact information at the federal agency(ies) approached.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	revise as needed at filing PEA submittal		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.11 Applicant Proposed Measures</b>												
<b>3.11</b>	<b>Applicant Proposed Measures</b>						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	a) Provide a table with the full text of any Applicant Proposed Measure. Where applicable, provide a copy of Applicant procedures, plans, and standards referenced in the Applicant Proposed Measures.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Within Chapter 5, describe the basis for selecting a particular Applicant Proposed Measure and how the Applicant Proposed Measure would reduce the impacts of the project.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Carefully consider each CPUC Draft Environmental Measure identified in Chapter 5 of this PEA Checklist. The CPUC Draft Environmental Measures will be applied to the Proposed Project where applicable.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.12 Project Description Graphics, Mapbook, and GIS Requirements</b>												
<b>3.12.1</b>	<b>Graphics.</b> Provide diagrams of the following as applicable:											
	a) All pole, tower, pipe, vault, conduit, and retaining wall types	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) For poles, provide typical drawings with approximate diameter at the base and tip; for towers, estimate the width at base and top.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) A typical detail for any proposed underground duct banks and vaults	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) All substation, switchyard, building, and facility layouts	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	e) Trenching, drilling, pole installation, pipe installation, vault installation, roadway construction, facility removal, helicopter uses, conductor installation, traffic control, and other construction activities where a diagram would assist the reader in visualizing the work area and construction approach	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Typical profile views of proposed aboveground facilities and existing facilities to be modified within the existing and proposed ROW (e.g., typical cross-section of existing and proposed facilities by project segment).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Photos of representative existing and proposed structures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.12.2</b>	Mapbook. Provide a detailed mapbook on an aerial imagery basemap at a scale between 1:3000 and 1:6000 (or as appropriate and legible) that show mileposts, roadways, and all project components and work areas including:		<input checked="" type="checkbox"/>		to be included in the Filing PEA							
	a) All proposed above-ground and underground structure/facility locations (e.g., poles, conductor, substations, compressor stations, telecommunication lines, vaults, duct bank, lighting, markers, etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) All existing structures/facilities that would be modified or removed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Identify by milepost where existing ROW will be used and where new ROW or land acquisition will be required.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) All permanent work areas including permanent facility access	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) All access roads including, existing, temporary, and new permanent access	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) All temporary work areas including staging, material storage, field offices, material laydown, temporary work areas for above ground (e.g., pole installation) and underground facility construction (e.g., trenching and duct banks), helicopter landing zones, pull and tension sites, guard structures, shoo flies etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Areas where special construction methods (e.g., jack and bore, HDD, blasting, retaining walls etc.) may need to be employed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Areas where vegetation removal may occur	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Areas to be heavily graded and where slope stabilization measures would be employed including any retaining walls	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.12.3</b>	<b>GIS Data.</b> Provide GIS data for all features and ROW shown on the detailed mapbook.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.12.4</b>	<b>GIS Requirements.</b> Provide the following information for each pole/tower that would be installed and for each pole/tower that would be removed:		<input checked="" type="checkbox"/>		to be included in the Filing PEA							
	a) Unique ID number and type of pole (e.g., wood, steel, etc.) or tower (e.g., self-supporting lattice) both in a table and in the attributes of the GIS data provided	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify pole/tower heights and conductor sizes in the attributes of the GIS data provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be included in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>3.12.5</b>	<b>Natural Gas Facilities GIS Data.</b> For natural gas facilities, provide GIS data for system cross ties and all laterals/taps, valve stations, and new and existing inspection facilities (e.g., pig launcher sites).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** North Gila to Imperial Valley/Ironwood Transmission Line Project  
**Reviewer(s):** Kelly Hobbs/Anne Surdzial  
**Initial Review Date:** 2/27/2025

**PEA Checklist Section:** 4. Description of Alternatives  
 ECORP Project Number: CPUC 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
4.1	<b>Alternatives Considered.</b> Identify alternatives to the Proposed Project. Include the following:				Further Discussion in the Filing PEA							
	a) All alternatives to the proposed project that were suggested, considered, or studied by the CAISO or by CAISO stakeholders	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Alternatives suggested by the public or agencies during public outreach efforts conducted by the Applicant	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Reduced footprint alternatives, including, e.g., smaller diameter pipelines and space for fewer electric transformers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Project phasing options (e.g., evaluate the full build out for environmental clearance but consider an initial, smaller buildout that would only be expanded [in phases] if needed)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Alternative facility and construction activity sites (e.g., substation, compressor station, drilling sites, well-head sites, staging areas)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Renewable, energy conservation, energy efficiency, demand response, distributed energy resources, and energy storage alternatives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Alternatives that would avoid or limit the construction of new transmission-voltage facilities or new gas transmission pipelines	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Other technological alternatives (e.g., conductor type)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i) Route alternatives and route variations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	j) Alternative engineering or technological approaches (e.g., alternative types of facilities, or materials, or configurations)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	k) Assign an identification label and brief, descriptive title to each alternative described in this PEA chapter (e.g., Alternative A: No Project; Alternative B: Reduced Footprint 500/115-kV Substation; Alternative C: Ringo Hills 16-inch Pipeline Alignment; Alternative D1: Lincoln Street Route Variation; etc.). Each alternative will be easily identifiable by reading the brief title.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	<p>Provide a description of each alternative. The description of each alternative will discuss to what extent it would be potentially feasible, meet the project's underlying purpose, meet most of the basic project objectives, and avoid or reduce one or more potentially significant impacts. If the Applicant believes that an alternative is infeasible or the implementation is remote and speculative (CEQA Guidelines Section 15126.6(f)(3), clearly explain why.</p> <p>If significant environmental effects are possible without mitigation, alternatives will be provided in the PEA that are capable of avoiding or reducing any potentially significant environmental effects, even if the alternative(s) substantially impede the attainment of some project objectives or are costlier.</p> <p>CPUC CEQA Unit Staff will determine whether an alternative could substantially reduce one or more potentially significant impacts of the proposed project (CEQA Guidelines Section 15125.5). Applicants are strongly advised to provide more rather than less alternatives for CPUC's consideration or as determined during Pre-filing.</p>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Further discussion in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4.2	<b>No Project Alternative.</b> Include a thorough description of the No Project Alternative. The No Project Alternative needs to describe the range of actions that are reasonably foreseeable if the Proposed Project is not approved. The No Project Alternative will be described to meet the requirements of CEQA Guidelines Section 15126.6(e).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
4.3	<b>Rejected Alternatives.</b> Provide a detailed discussion of all alternatives considered by the Applicant that were not selected by the Applicant for a full description in the PEA and analysis in PEA Chapter 5. The detailed discussion will include the following:				will be provided in the Filing PEA.							
	a) Description of the alternative and its components	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Map of any alternative sites or routes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Discussion about the extent to which the alternative would meet the underlying purpose of the project and its basic objectives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Discussion about the feasibility of implementing the alternative	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Discussion of whether the alternative would reduce or avoid any significant environmental impacts of the Proposed Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	f) Discussion of any new significant impacts that could occur from implementation of the alternative	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	g) Description of why the alternative was rejected	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	h) Any comments from the public or agencies about the alternative during PEA preparation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 4. Description of Alternatives

ECORP Project Number: CPUC 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>For Natural Gas Storage Projects:</b>												
4.4	<b>Natural Gas Storage Alternatives.</b> In addition to the requirements included above, alternatives to be considered for proposed natural gas storage projects include the following, where applicable:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>								
	a) Alternative reservoir locations considered for gas storage including other field locations and other potential storage areas	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Alternative pipelines, road, and utility siting	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Alternative suction gas requirements, and injection/withdrawal options	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>



**PEA Checklist Section:** 5. Environmental Analysis

ECORP Project Number: \_\_\_\_\_ CPUC 2020-196.03

Item #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	a. Discussion organized by CEQA Guidelines, Appendix G impact items and any Additional CEQA Impact Questions in the PEA Checklist. Assess all potential environmental impacts and make determinations, such as, No Impact, Less than Significant, Less than Significant with Mitigation, Significant and Unavoidable, or Beneficial Impact with respect to construction, operations, and maintenance activities.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	impact analysis to be provided in filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b. The impact analyses provided in PEA Chapter 5, Environmental Analysis, need not be as thorough as those to be prepared by CPUC for the CEQA environmental document. A preliminary determination will be provided but with only brief justification unless otherwise directed by CPUC Staff in writing during Pre-filing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	impact analysis to be provided in filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5</b>	<b>CPUC Draft Environmental Measures</b>											
	a. CPUC Draft Environmental Measures are provided for some of the resource areas in Attachment 4, CPUC Draft Environmental Measures. The measures may be applied to the proposed project as written or modified by the CPUC during its environmental review if the measure would avoid or reduce a potentially significant impact.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be provided in filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b. The CPUC Draft Environmental Measures should be discussed with the CPUC's CEQA Unit Staff during Pre-filing, especially with respect to the development of Applicant Proposed Measures.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be discussed in pre-filing meetings		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c. In general, impact avoidance is preferred to the reduction of potentially significant impacts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	impact analysis to be provided in filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

*Additional requirements specific to each resource area are identified in the following sections.*

<b>Project Name:</b>	North Gila to Imperial Valley/Ironwood Transmission Line Project											
<b>Reviewer(s):</b>	Kelly Hobbs											
<b>Initial Review Date:</b>	2/28/2025											
<b>PEA Checklist Section:</b>	5.1 Aesthetics											
ECORP Project Number:	CPUC 2020-196.03											
Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>5.1.1 Environmental Setting</b>												
5.1.1.1	<b>Landscape Setting.</b> Briefly described the regional and local landscape setting.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.1.2	<b>Scenic Resources.</b> Identify and describe any vistas, scenic highways, national scenic areas, or other scenic resources within and surrounding the project area (approximately 5-mile buffer but may be greater if necessary). Scenic resources may also include but are not limited to historic structures, trees, or other resources that contribute to the scenic values where the Project would be located.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Another introductory section, Project Visibility and Viewshed (Section 5.1.1.2) has been added and Scenic Resources is now 5.1.1.2. The scenic resources in the study area are generally described but no specific information is supplied.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.1.3	<b>Viewshed Analysis</b>											
	a) Conduct a viewshed analysis for the Project Area (approx. 5-mile buffer but may be greater if necessary).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	A viewshed analysis is not provided, pending route selection. Area described appears to be 3 miles instead of 6 miles. Some of this information is included in Section 5.1.1.2 - Project Visibility and Viewshed. Section 3.1.1.3.2 states that there are no designated CA state scenic highways in the study area. That section should state that there are no designated highways and one eligible highway. Are there any eligible scenic highways in Arizona? Are any of the local roads designated as scenic by Imperial County, City of Calexico?		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe the project viewshed, including important visibility characteristics for the Project site (viewing distance, viewing angle, and intervening topography, vegetation, or structures).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This information needs to be specific to the selected route; information pending filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide a supporting map(s) showing Project Area, landscape units, topography (i.e., hillshade), and the results of the viewshed analysis.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	At final PEA filing, Map 5-1-1 may need supplemental map pages "zoomed in" on resources near the selected route.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Provide associated GIS data.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Discussed but not provided		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
5.1.1.4	<b>Landscape Units.</b> Identify and describe landscape units (geographic zones) within and surrounding the Project Area (approx. 5-mile buffer but may be greater if necessary) that categorizes different landscape types and visual characteristics, with consideration to topography, vegetation, and existing land uses. Landscape units should be developed based on the existing landscape characteristics rather than the Project's features or segments.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.1.5	<b>Viewers and Viewer Sensitivity.</b> Identify and described the types of viewers expected within the viewshed and landscape units. Describe visual sensitivity to general visual change based on viewing conditions, use of the area, feedback from the public about the project, and landscape characteristics.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	more detail needed for viewers near the selected route at filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.1.6	<b>Representative Viewpoints</b>											
	a) Identify representative viewpoints from publicly accessible locations (up to approx. 5-mile buffer but may be greater if appropriate). The number and location of the viewpoints must represent a range of views of the Project site from major roads, highways, trails, parks, vistas, landmarks, and other scenic resources near the Project site. Multiple viewpoints should be included where the Project site would be visible from sensitive scenic resources to provide context on different viewing distances, perspectives, and directions.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Section titled Key Observation Points provides preliminary KOPs, pre-filing PEA notes that these KOPs may change based on selected route. Filing PEA should describe how the KOA relates to the selected route.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the following information for each viewpoint:											
	i. Number, title, and brief description of the location	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	provides preliminary KOPs, pre-filing PEA notes that these KOPs may change based on selected route. Filing PEA should describe how the KOA relates to the selected route.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii. Types of viewers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	provides preliminary KOPs, pre-filing PEA notes that these KOPs may change based on selected route. Filing PEA should describe how the KOA relates to the selected route.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii. Viewing direction(s) and distance(s) to the nearest proposed Project features	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	provides preliminary KOPs, pre-filing PEA notes that these KOPs may change based on selected route. Filing PEA should describe how the KOA relates to the selected route.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iv. Description of the existing visual conditions and visibility of the Project site as seen from the viewpoint and shown in the representative photographs	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	provides preliminary KOPs, pre-filing PEA notes that these KOPs may change based on selected route. Filing PEA should describe how the KOA relates to the selected route.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	c) Provide a supporting map(s) showing Project features and representative viewpoints with arrows indicating the viewing direction(s). Provide associated GIS data (may be combined with GIS data request below for representative photographs).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	provides preliminary KOPs, pre-filing PEA notes that these KOPs may change based on selected route. Filing PEA should describe how the KOA relates to the selected route. GIS not provided		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.1.1.7</b>	<b>Representative Photographs</b>											
	a) Provide high resolution photographs taken from the representative viewpoints in the directions of all proposed project features. Multiple photographs should be provided where project features may be visible in different viewing directions from the same location.  All representative photographs should be taken using a digital single-lens reflex camera with standard 50-millimeter lens equivalent, which represents an approximately 40-degree horizontal view angle. The precise photograph coordinates and elevations should be collected using a high accuracy GPS unit.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the following information for each photograph:		<input checked="" type="checkbox"/>									
	i. Capture time and date	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii. Camera body and lens model	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii. Lens focal length and camera height when taken	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide GIS data associated with each photograph location that includes coordinates (<1 meter resolution), elevations, and viewing directions, as well as the associated viewpoint.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.1.1.8</b>	<b>Visual Resource Management Areas</b>											
	a) Identify any visual resource management areas within and surrounding the Project Area (approximately 5-mile buffer).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	map provided, no description of how these VRM areas relate to the route		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Describe any Project Areas within visual resource management areas.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Provide a supporting map(s) showing Project features and visual resource management areas. Provide associated GIS data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.1.2</b>	<b>Regulatory Setting</b>											
	Identify applicable federal, state, and local laws, policies, and standards regarding aesthetics and visual resource management.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	there is a typo SR-58 should be SR-98. Previously in this chapter there is a statement that there are no CA state scenic highways in the study area. That section should state that there are no designated highways and one eligible highway. City general plans not included in the local regulatory setting		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>5.1.3 Impact Questions</b>												
5.1.3.1	<b>Impact Questions.</b> The impact questions include all aesthetic impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.3.2	Additional CEQA Impact Questions: None.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.1.4 Impact Analysis</b>												
5.1.4.1	<b>Visual Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Route-specific impact analysis not provided		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<i>The following information will be included in the PEA or a technical Appendix to support the aesthetic impact analysis:</i>												
5.1.4.2	<b>Analysis of Selected Viewpoints.</b> Identify the methodology and assumptions that were applied in selecting key observation points (KOPs) for visual simulation. It is recommended that viewpoints are selected where viewers may be sensitive to visual change (public views) and in areas that are visually sensitive, or heavily trafficked or visited.  The KOP selection process should be discussed with CPUC during Pre-filing.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Methodology is appropriate, additional detail may need to be added in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.4.3	<b>Visual Simulation</b>											
	a) Identify methodology and assumptions for completing the visual simulations. The simulations should include photorealistic 3-D models of project features and any land changes within the KOP view. The visual simulations should depict conditions:	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Methodology is appropriate, additional detail may need to be added in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i. Immediately following construction	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii. After vegetation establishment in all areas of temporary impact to illustrate the visual impact from vegetation removal.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide high resolution images for the visual simulations.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.4.4	<b>Analysis of Visual Change</b>				will be provided in the Filing PEA							
	a) Identify the methodology and assumptions for completing the visual change analysis. The methodology should be consistent with applicable visual resource management criteria.  The visual impact assessment methodology should be discussed with CPUC during Pre-filing.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide a description of the visual change for each selected viewpoint. Describe any conditions that would change over time, such as vegetation growth.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Describe the effects of visual change that would result in the entire Project Area, as indicated by the selected viewpoints that were simulated and analyzed.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.1.4.5	<b>Lighting and Marking.</b> Identify all new sources of permanent lighting.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 5.1 Aesthetics  
 ECORP Project Number: CPUC 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	Identify any proposed structures or lines that could require FAA notification. Identify any structures or line segments that could require lighting and marking based on flight patterns and FAA or military requirements. Provide supporting documentation in an Appendix (e.g., FAA notice and criteria tool results).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.1.5 CPUC Draft Environmental Measures</b> (from Attachment 4)												
	<b>Aesthetics Impact Reduction During Construction.</b> All project sites will be maintained in a clean and orderly state. Construction staging areas will be sited away from public view where possible. Nighttime lighting will be directed away from residential areas and have shields to prevent light spillover effects. Upon completion of project construction, project staging and temporary work areas will be returned to pre-project conditions, including re-grading of the site and re-vegetation or re-paving of disturbed areas to match pre-existing contours and conditions.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	will be provided in the Filing PEA		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Seth Myers  
**Initial Review Date:** 11/5/2025

**PEA Checklist Section:** 5.3 Air Quality  
 ECORP Project Number: 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>5.3.1 Environmental Setting</b>												
5.3.1.1	<b>Air Quality Plans.</b> Identify and describe all applicable air quality plans and attainment areas. Identify the air basin(s) for the Project Area. If the Project is located in more than one attainment area and/or air basin, provide the extent in each attainment area and air basin.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Chapter 5.3 adequately identifies and describes all applicable air quality plans and attainment status for both applicable air basins on page 5.3-4.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.3.1.2	<b>Air Quality.</b> Describe existing air quality in the Project Area.  a) Identify existing air quality exceedance of National Ambient Air Quality Standards and California Ambient Air Quality Standards in the air basin.  b) Provide the number of days that air quality in the area exceeds state and federal air standards for each criteria pollutant that where air quality standards are exceeded.  c) Provide air quality data from the nearest representative air monitoring station(s).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This data is adequately provided on page 5.3-4.  This data is adequately provided in Table 5.3-2 and Table 5.3-3 on page 5.3-5.  This data is adequately provided in Table 5.3-2 and Table 5.3-3 on page 5.3-5.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.3.1.3	<b>Sensitive Receptor Locations.</b> Identify the location and types of each sensitive receptor locations within 1,000 feet of the Project Area. Provide GIS data for sensitive receptor locations.  Sensitive Receptor locations may include hospitals, schools, and day care centers, and such other locations as the air district board or California Air Resources Board may determine (California Health and Safety Code § 42705.5(a)(5)).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No GIS data was received.  Revise Table 5.3-4 to (1) include the street name for each identified sensitive receptor location and (2) assign a unique receptor identification number. Update Figure 5.3-1 accordingly to display the corresponding receptor numbers.	Revised Table 5.3-4 to include general location of each SR and ID Numbers 1-11. Distances were refined and reflect any SR within 1,000 feet of any project component. SR1 & 2 are within 1,000 feet of Alternative Route 3, SR3-8 are within 1,000 feet of the Preferred Route, and SR9-11 are within 1,000 feet of the North Gila Substation. Revised Figure 5.3-1 to include general location of each SR and ID Numbers 1-11.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.3.2 Regulatory Setting</b>												
5.3.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards regarding air quality.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This information is adequately provided on pages 5.3-8 through 5.3-12.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.3.2.2	<b>Air Permits.</b> Identify and list all necessary air permits.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This information is adequately provided on page 5.3-12.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.3.3 Impact Questions</b>												
5.3.3.1	<b>Impact Questions.</b> The impact questions include all air quality impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The appropriate impact questions are included.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.3.3.2	Additional CEQA Impact Questions: None.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.3.4 Impact Analysis</b>												
5.3.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An impact analysis for each checklist item has been prepared.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<i>The following information will be presented in the PEA or a technical Appendix to support the air quality impact analysis:</i>												
5.3.4.2	<b>Air Quality Emissions Modeling.</b> Model project emissions using the most recent version of CalEEMod and/or a current version of other applicable modeling program.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The most recent version of CalEEMod was employed.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	Provide all model input and output data sheets in Microsoft Excel format to allow CPUC to evaluate whether Project data was entered into the modeling program accurately. The assumptions used in the air quality modeling must be consistent with all PEA information about the Project's schedule, workforce, and equipment.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The third paragraph on Page 5.3-15 states that the Swiss Federal Office of Civil Aviation Guidance on the Determination of Helicopter Emissions is sourced for both "emission factors and methodology" to quantify Project helicopter emissions. Since this is a unique emission source, provide such information in this paragraph. Specifically, identify (1) the type of helicopters used for modeling, (2) number of hours in flight assumed daily, and (3) number of take off/landing events assumed daily.</p> <p>Appendix B, Emissions Calculations, does not disclose the helicopter emission factors for the varying activities. Clearly identify the emission factors used for take off and landing events in addition to cruising in Appendix B.</p> <p>A review of Appendix B, Emissions Calculations, shows that EMFAC2021 was used to calculate on-road mobile emissions. Disclose this in the "Air Quality Methodology" discussion.</p>	<p>Revised the report language as recommend and added to methodology section.</p> <p>Additional information and references were added to Appendix B.</p>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	The following information will be addressed in the emissions modeling, Air Quality Appendix, and PEA:											
	a) Quantify the expected emissions of criteria pollutants from all project-related sources. Quantify emissions for both construction and operation (e.g., compressor equipment).				<p>The third paragraph on Page 5.3-15 states that "It is anticipated that construction would involve the use of two light duty helicopters during the Conductor and Wires Installation construction phase, as well as the use of one heavy duty helicopter during the Structure Installation construction phases. While it is unlikely that the use of all three helicopters (two light duty and one heavy duty) would occur at the same time in the same region, it was assumed that the two light duty helicopter would operate simultaneously on any given day and be within proximity of each other (although likely spread out over a great distance across the transmission line pathway)." Amend this sentence to disclose the most conservative scenario of Project helicopter use in a single day, regardless of proximity. Update Table 5.3-8, Maximum Daily Local Construction Emissions for California Project Components, and Table 5.3-9, Annual Local Construction Emissions for Arizona Project Components accordingly.</p> <p>While challenging for an 84-mile linear Project, expand the fourth paragraph on page 5.3-15 to provide a comprehensive description of the anticipated construction sequence, schedule, and equipment usage. The narrative should clearly describe the construction parameters and assumptions applied in the emissions modeling analysis. □</p>	<p>Updated section language.</p> <p>Updated section language.</p>						

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Strike the second to last sentence in the fourth paragraph on page 5.3-15 as follows: "The crews were analyzed individually because they are spaced far enough apart along the transmission line (approximately 0.25 miles or greater) such that any emissions from the varying crews occurring on any given day would not combine to cause a potential exceedance of the NAAQS at any given location." While it is agreed that due to the linear nature of the Project, localized health risk impacts would not occur, the maximum daily emissions generated by the Project within the Salton Sea Air Basin must be compared against the Imperial County Air Pollution Control District daily significance thresholds in order to evaluate regional air quality impacts. The National Ambient Air Quality Standards (NAAQS) are concentration standards and whether two or more crews "combine" to exceed a standard depends on how emissions disperse, not just on linear distance between crews. CEQA analyses should be conservative or demonstrate why a less conservative approach is justified with quantitative analysis. An arbitrary separation of 0.25 mile without justification is not sufficient. Update Table 5.3-8, Maximum Daily Local Construction Emissions for California Project Components, accordingly. Update the first paragraph under Table 5.3-8 accordingly.</p> <p>See the previous two comments and revise or omit the first and second paragraphs on page 5.3-16.</p> <p>Appendix B, Emissions Calculations, does not appear to adequately account for worker or hauling trips over unpaved roads, though the fifth paragraph on page 5.3-16 states that it was assumed that only 60 percent of total trips would be on paved roads, and thus 40 percent on unpaved roads. The fugitive dust emission rates (PM10) from travel on unpaved roads should be substantially greater than emissions rates from travel on paved roads. A review of Appendix B actually shows slightly higher emission rates from travel on paved roads.</p> <p>First, update this paragraph to provide an explanation of why it is assumed 60 percent of total trips would be on paved roads and 40 percent on unpaved roads. Next, either use CalEEMod to calculate emissions from unpaved roads, instead of EMFAC, or calculate fugitive dust emissions for travel on unpaved roads using the methodology described in Section 13.2.2 of USEPA's AP-42, as shown in the cell below:</p> <p>Where:  <math>E_{Funpaved}</math> = unpaved road dust emission factor (g/mile).  <math>k</math> = particle size multiplier for particle size range. The AP-42 default values are 816.47 g/VMT for PM2.5 and 81.65 g/VMT for PM10.  <math>S</math> = surface material silt content (%).  <math>M</math> = surface material moisture content (%).  <math>C</math></p> $E_{Funpaved} = \left( k \left( \frac{S}{12} \right) 1 \left( \frac{S}{30} \right) 0.5 + \left( \frac{M}{0.5} \right) 0.2 - C \right) \times (1 - P + 365)$ <p>The first paragraph on page 5.3-25 describes the fact that the use of helicopters may be used periodically during Project operations. In order to provide greater disclosure to the analysis and to identify that operational emissions would not exceed regional significance thresholds, develop and describe a reasonable scenario for a day of operational helicopter use and calculate and disclose the emissions from take off/landing events as well as cruising.</p>	Updated section language.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This information is included, as applicable.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	This information is included, as applicable.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	d) When multiple air basins may be affected by the Project, model air emissions within each air basin and provide a narrative (supported by calculations) that clearly describes the assumptions around the Project activities considered for each air basin. Provide modeled emissions by attainment area or air basin (supported by calculations).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Comment for 5.3.4.2 Air Quality Emissions Modeling above, starting with text "The third paragraph on Page 5.3-15 states..."  While challenging for an 84-mile linear Project, expand the fourth paragraph on page 5.3-15 to provide a comprehensive description of the anticipated construction sequence, schedule, and equipment usage. The narrative should clearly describe the construction parameters and assumptions applied in the emissions modeling analysis.	Updated section language.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.2.4.3	<b>Air Quality Emissions Summary.</b> Provide a table summarizing the air quality emissions for the project and applicable thresholds for each applicable attainment area. Include a summary of uncontrolled emissions (prior to application of any APMs) and controlled emissions (after application of APMs). Clearly identify the assumptions that were applied in the controlled emissions estimates.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Comment above.  Currently the assumptions that were applied in the controlled emissions estimates are not clearly identified.	See Response above.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.2.4.4	Health Risk Assessment. Complete a Health Risk Assessment when air quality emissions have the potential to lead to human health impacts. If health impacts are not anticipated from project emissions, the analysis should clearly describe why emissions would not lead to health impacts.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Due to the linear nature of Project construction, where pollutant-generated activities would not occur at any single location for long periods, a Health Risk Assessment is not necessary.	Added this language to Section 5.3.4.1.1 Air Quality Methodology, Construction.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
					The last sentence of page 5.3-25 states that, "The nearest sensitive receptor to the Proposed Project is a single-family residence located south of the intersection of Tubbs Road and Vencii Road." However, Table 5.3-4 on page 5.3-6 of the chapter identifies several other residential receptors within 0 feet of Project construction. Revise this sentence to include the locations of all residential receptors identified as within 0 feet in Table 5.3-4.	As discussed in the first comment in the matrix above, Figure 5.3.1 and Table 5.3.4 were updated to provide more detail related to SR receptor locations. This refined analysis demonstrates that the nearest SR to the preferred route is a single family residence approximately 125 feet north. As such, we updated the last paragraph on pg. 5.3-26.	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	
					The fourth paragraph on page 5.3-26 states, "Approximately six miles of the Proposed Project is located in Arizona; however, no sensitive receptors are situated within 1,000 feet of project construction." However, Figure 5.3-1 of the chapter identifies at least two residential receptors with 1,000 feet, contradicting this statement. I review of aerial imagery does show residential receptors southeast of the North Gila Station. Revise this statement to reflect this. □	Updated the fourth paragraph on page 5.3-26.	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	

**5.3.5 CPUC Draft Environmental Measures (from Attachment 4)**

	<b>Dust Control During Construction.</b> The Applicant shall implement measures to control fugitive dust in compliance with all local air district(s) standards. Dust control measures shall include the following at a minimum: - All exposed surfaces with the potential of dust-generating shall be watered or covered with coarse rock to reduce the potential for airborne dust from leaving the site. - The simultaneous occurrence of more than two ground disturbing construction phases on the same area at any one time shall be limited. Activities shall be phased to reduce the amount of disturbed surfaces at any one time. - Cover all haul trucks entering/leaving the site and trim their loads as necessary - Use wet power vacuum street sweepers to sweep all paved access road, parking areas, staging areas, and public roads adjacent to project sites on a daily basis (at minimum) during construction. The use of dry power sweeping is prohibited. - All trucks and equipment, including their tires, shall be washed off prior to leaving project sites. - Apply gravel or non-toxic soil stabilizers on all unpaved access roads, parking areas, and staging areas at project sites.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	It is noted on page 5.3-30 that any construction dust control measures required under local air district regulations will be implemented.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
--	--	-------------------------------------	--------------------------	--------------------------	---	--	--------------------------	--------------------------	--	--	--------------------------	--------------------------



<b>Project Name:</b>	Ironwood										
<b>Reviewer(s):</b>	J. Tupen										
<b>Initial Review Date:</b>	9/30/2025										
<b>PEA Checklist Section:</b>	5.4 Biological Resources										
ECORP Project Number:	2020.2										
Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Resolved Yes
		Yes	No	N/A			Yes	No			
<b>5.4.1 Environmental Setting</b>											
5.4.1.1	<b>Biological Resources Technical Report.</b> Provide a Biological Resources Technical Report as an Appendix to the PEA that includes all information specified in Attachment 2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Attached as Appendix C-1 to the PES.	Comment is correct, no changes have been made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<i>The following biological resources information will be presented in the PEA:</i>											
5.4.1.2	<b>Survey Area (Local Setting).</b> Identify and describe the biological resources survey area as documented in the Biological Resources Technical Report. All temporary and permanent Project Areas must be within the survey area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Section defines both a "Study Area" and a "Survey Area", the latter of which is a field-verified subset of the remotely assessed Study Area. Study Area is appropriately configured.	Comment is correct, no changes have been made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.4.1.3	<b>Vegetation Communities and Land Cover</b>										
	a) Identify, describe, and quantify vegetation communities and land cover types within the biological resources survey area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Described and quantified in the Study Area, which contains the Survey Area. Suggest adding units (acres) to Table 5.4-1 caption.	Added unit descriptor to Table Caption and Footer.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Clearly identify any sensitive natural vegetation communities that meet the definition of a biological resource under CEQA (i.e., rare, designated, or otherwise protected), such as, but not limited to, riparian habitat.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Provide supporting map(s) showing Project features and vegetation communities and land cover type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Vegetation and land covers are mapped within the defined Study Area within the BRTR.	Comment is correct, no changes have been made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.4.1.4	<b>Aquatic Features</b>										
	a) Identify, describe, and quantify aquatic features within the biological resources survey area that may provide potentially suitable aquatic habitat for rare and special-status species.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Described and quantified in the Study Area, which includes the Survey Area.	Comment is correct, no changes have been made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Identify and quantify potentially jurisdictional aquatic features and delineated wetlands, according to the Wetland Delineation Report and Biological Resources Technical Report.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Provide supporting map(s) showing Project features and aquatic resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Maps of aquatic features included as Appendix J to the BRTR. Mapping completed in the Survey Area, a subset of the Study Area.	Comment is correct, no changes have been made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.4.1.5	<b>Habitat Assessment.</b> Identify rare and special-status species with potential to occur in the Project region (approx. a 5-mile buffer but may be larger if necessary).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	For each species, provide the following information:										
	a) Common and scientific name	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

**PEA Checklist Section:** 5.4 Biological Resources

ECORP Project Number: 2020.2

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
	b) Status and/or rank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Habitat characteristics (i.e., vegetation communities, elevations, seasonal changes, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	d) Blooming characteristics for plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	e) Breeding and other dispersal (range) behavior for wildlife	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Inconsistently described. Would be particularly helpful with birds, since birds may seasonally occur in suitable habitat but may not nest in the region.	Added additional information describing species' ranges, particularly birds.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	f) Potential to occur within the survey area (i.e., Present, High Potential, Moderate Potential, Low Potential, or Not Expected), with justification based on the results of the records search, survey findings, and presence of potentially suitable habitat	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PEA uses Present, Likely to be Present, Unlikely to be Present, and Does Not Occur as categories, which is sufficient.	Noted, no changes made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	g) Specific types and locations of potentially suitable habitat that correspond to the vegetation communities and land cover and aquatic features	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.4.1.6</b>	<b>Critical Habitat</b>										
	a) Identify and describe any critical habitat for rare or special status species within and surrounding the Project Area (approx. a 5-mile buffer).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Provide supporting map(s) showing Project features and critical habitat.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BRTR Figure 2.	Comment is correct, no changes have been made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.4.1.7</b>	<b>Native Wildlife Corridors and Nursery Sites</b>										
	a) Identify and describe regional and local wildlife corridors within and surrounding the project area (approximately a 5-mile buffer), including but not limited to, landscape and aquatic features that connect suitable habitat in regions otherwise fragmented by terrain, changes in vegetation, or human development.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Identify and describe regional and local native wildlife nursery sites within and surrounding the project area (approx. 5-mile buffer), as identified through the records search, surveys, and habitat assessment.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Provide supporting map(s) showing project features, native wildlife corridors, and native nursery sites.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PEA Figure 5.4.4 and BRTR Appendix K. Suggest replace BRTR Appendix K figure with higher-resolution version.	Revised to show more zoomed in figures of the alignment. Now 3 figures instead of 1.	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.4.1.8</b>	<b>Biological Resource Management Areas</b>										
	a) Identify any biological resource management areas (i.e., conservation or mitigation areas, HCP or NCCP boundaries, etc.) within and surrounding the project area (approximately 5-mile buffer).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PES reports no adopted plans in Study Area.	Comment is correct, no changes have been made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Identify and quantify any project areas within biological resource management areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Provide a supporting map (or maps) showing project features and biological resource management areas.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

**PEA Checklist Section:** 5.4 Biological Resources

ECORP Project Number: 2020.2

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?
		Yes	No	N/A			Yes	No			
<b>5.4.2 Regulatory Setting</b>											
5.4.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards regarding biological resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.4.2.2	<b>Habitat Conservation Plan.</b> Provide a copy of any relevant Habitat Conservation Plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Per 5.4.1.8.a., above.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.4.3 Impact Questions</b>											
5.4.3.1	<b>Impact Questions.</b> The impact questions include all biological resource impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.4.3.2	Additional CEQA Impact Question:  Would the project create a substantial collision or electrocution risk for birds or bats?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.4.4 Impact Analysis</b>											
5.4.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for Biological Resources and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<i>The following information will be included in the impact analysis:</i>											
5.4.4.2	<b>Quantify Habitat Impacts.</b> Provide the area of impact in acres by each habitat type. Quantify temporary and permanent impacts. For all temporary impacts provide the following:  For all temporary impacts provide the following: a) Description of the restoration and revegetation approach b) Vegetation species that would be planted within the area of temporary disturbance c) Procedures to reduce invasive weed encroachment within areas of temporary disturbance d) Expected timeframe for restoration of the site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>							
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TBD during permitting.	TBD during species and waters permitting (anticipated 2027) where specific restoration success criteria may be established based on habitat type, existing conditions, and work activities. Permitting and supporting surveys are expected to begin in 2027.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.4.4.3	<b>Special-Status Species Impacts.</b> Identify anticipated impacts on special-status species. Identify any take permits that are anticipated for the project. If an existing habitat conservation plan (HCP) or natural communities conservation plan (NCCP) would be used for the project, provide current accounting of take coverage included in the HCP/NCCP to demonstrate that there is sufficient habitat coverage remaining under the existing permit.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.4.4.4	<b>Wetland Impacts.</b> Quantify the area (in acres) of temporary and permanent impacts on wetlands.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
	Include the following details:										
	a) Provide a table identifying all wetlands, by milepost and length, crossed by the project and the total acreage of each wetland type that would be affected by construction.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not provided. However: BRTR Table 11 provides gross wetland acreage (by wetland/water type) by Alternative Route Segment. BRTR Appendix J shows locations of wetlands/waters within defined Survey Area for Alternative Route Segments.	Specific wetlands that may be impacted by the project will be determined once design is further advanced. This information will also be compiled to support any waters permitting. Delineation of potential jurisdictional features is expected to occur in spring 2027.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Discuss construction and restoration methods proposed for crossing wetlands.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TBD during design and permitting.	TBD during permitting. Jurisdictional delineation field work is expected in spring 2027.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) If wetlands would be filled or permanently lost, describe proposed measures to compensate for permanent wetland losses.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TBD during permitting.	TBD during permitting. Jurisdictional delineation field work is expected in spring 2027.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	d) If forested wetlands would be affected, describe proposed measures to restore forested wetlands following construction.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TBD during permitting.	TBD during permitting. Jurisdictional delineation field work is expected in spring 2027.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.4.4.5</b>	<b>Avian Impacts.</b> Describe avian obstructions and risk of electrocution from the Project. Describe any standards that will be implemented as part of the project to reduce the risk of collision and electrocution.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.4.5 CPUC Draft Environmental Measures (from Attachment 4)</b>											
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Did Review  
solved?  
No

Did Review  
solved?  
No

Did Review  
solved?  
No

Did Review  
solved?  
No

**Project Name:** Ironwood  
**Reviewer(s):** Lisa Westwood  
**Initial Review Date:** 9/30/2025

**PEA Checklist Section:** 5.5 Cultural Resources  
 ECORP Project Number: 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>5.5.1 Environmental Setting</b>												
5.5.1.1	<b>Cultural Resource Reports.</b> Provide a cultural resource inventory and evaluation report that addresses the technical requirement provided in Attachment 3.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Report not provided, citing that it is under review by BLM.	The applicant's consultant is preparing a Class III Inventory Report which will be provided following completion and approval by the BLM. Anticipated in June 2026.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.5.1.2	<b>Cultural Resources Summary.</b> Summarize cultural resource survey and inventory results and survey methods. Do not provide any confidential cultural resource information within the PEA chapter.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	CPUC expects this section to be supplemented with more details and maps following BLM review of the report, however.	The applicant's consultant is preparing a Class III Inventory Report which will include a detailed methodology and survey results sections as well as mapping. The report will be provided following completion and approval by the BLM. Anticipated in June 2026.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.5.1.3	<b>Cultural Resource Survey Boundaries.</b> Provide a map with mileposts showing the boundaries of all survey areas in the report.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		The delineation of the survey area is in progress as BLM reviews the project and determines the Area of Potential Effects and survey limits. This figure will be included in the Class III Inventory Report being prepared by the applicant's consultant and provided following completion and approval by the BLM.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Provide the GIS data for the survey area. Provide confidential GIS data for the resource locations and boundaries separately under confidential cover.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		The delineation of the survey area is in progress as BLM reviews the project and determines the Area of Potential Effects and survey limits. This figure will be included in the Class III Inventory Report being prepared by the applicant's consultant and provided following completion and approval by the BLM.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.5.2 Regulatory Setting</b>												
5.5.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards for protection of cultural resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.5.3 Impact Questions</b>												
5.5.3.1	<b>Impact Questions.</b> The impact questions include all cultural resource impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.5.3.2	Additional CEQA Impact Question: None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.5.4 Impact Analysis</b>												

**PEA Checklist Section:** 5.5 Cultural Resources

ECORP Project Number: 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
5.5.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		An impacts analysis will be completed as part of the Class III Inventory Report. Expected completion June 2026.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<i>The following information will be included in the impact analysis:</i>												
5.5.4.2	<b>Human Remains.</b> Describe the potential for encountering human remains or grave goods during the trenching or any other phase of construction. Describe the procedures that would be used if human remains are encountered.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.5.4.3	<b>Resource Avoidance.</b> Describe avoidance procedures that would be implemented to avoid known resources.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Avoidance and protection is the preferred strategy to avoid known resources. Avoidance through project design and micro-siting will be utilized where feasible. APM CUL-1 has been revised to reflect that avoidance procedures would be implemented through design and micro-siting.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.5.5 CPUC Draft Environmental Measures</b> (from Attachment 4)												
	<b>Human Remains (Construction and Maintenance).</b> Avoidance and protection of inadvertent discoveries that contain human remains shall be the preferred protection strategy with complete avoidance of such resources ensured by redesigning the project. If human remains are discovered during construction or maintenance activities, all work shall be diverted from the area of the discovery, and the CPUC shall be informed immediately. The Applicant shall contact the County Coroner to determine whether or not the remains are Native American. If the remains are determined to be Native American, the Coroner will contact the Native American Heritage Commission (NAHC). The NAHC will then identify the person or persons it believes to be the most likely descendant of the deceased Native American, who in turn would make recommendations for the appropriate means of treating the human remains and any associated funerary objects.  If the remains are on federal land, the remains shall be treated in accordance with the Native American Graves Protection and Repatriation Act (NAGPRA). If the remains are not on federal land, the remains shall be treated in accordance with Health and Safety Code Section 7050.5, CEQA Section 15064.5(e), and Public Resources Code Section 5097.98.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Avoidance and protection is the preferred strategy when human remains are encountered. As discussed in Section 5.5.4.1.4, the applicant will comply with all laws and regulations regarding inadvertent discovery of human remains and procedures to be followed.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>



Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	a) Provide an estimation of the amount of fuels (gasoline, diesel, helicopter fuel, etc.) that would be used during construction and operation and maintenance of the project. Fuel estimates should be consistent with Air Quality calculations supporting the PEA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>This data is included; however, it is subject to change based on the Comments to Chapter 5.3 Air Quality.</p> <p>The first paragraph on page 5.6-9 states that Project construction will consume 0.001 percent of total gasoline consumption in the State of California. Based on the identification of 13.41 billion gallons of gasoline sold in 2024, Project construction would only consume 0.0001 percent of total gasoline consumption in the State of California. Revise the first paragraph on page 5.6-9 accordingly.</p> <p>The first paragraph on page 5.6-10 states that Project construction will consume 0.03 percent of total gasoline consumption in the State of Arizona. Based on the identification of 69.7 million gallons of gasoline consumed in 2022, Project construction would only consume 0.003 percent of total gasoline consumption in the State of Arizona. Revise the first paragraph on page 5.6-10 accordingly.</p>	This PEA includes fuel and energy consumption from construction activities for the entire project. Therefore, the calculated percentage of the project's total consumption relative to the state remains accurate.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the following information on energy use:											
	i) Total energy requirements of the project by fuel type and end use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Included.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Energy conservation equipment and design features	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Included.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) Identification of energy supplies that would serve the Project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Included.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.6.5 CPUC Draft Environmental Measures (from Attachment 4)</b>												
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** 5.7 Geology, Soils, and Paleontology  
 ECORP Project Number: 2020\_196.003

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
<b>5.7.1 Environmental Setting</b>											
5.7.1.1	<b>Regional and Local Geologic Setting.</b> Briefly describe the regional and local physiography, topography, and geologic setting in the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.7.1.2	<b>Seismic Hazards</b>										
	a) Provide the following information on potential seismic hazards in the Project Area:										
	i) Identify and describe regional and local seismic risk including any active faults within and surrounding the Project Area (will be a 10-mile buffer unless otherwise instructed in writing by CEQA Unit Staff during Pre-filing)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	ii) Identify any areas that are prone to seismic-induced landslides	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	iii) Provide the liquefaction potential for the Project Area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Provide a supporting map (or maps) showing project features and major faults, areas of landslide risk, and areas at high risk of liquefaction. Provide GIS data for all faults, landslides, and areas of high liquefaction potential.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.7.1.3	<b>Geologic Units.</b> Identify and describe the types of geologic units in the Project Area. Include the following information for each geologic unit:										
	a) Summarize the geologic units within the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Identify any previous landslides in the area and any areas that are at risk of landslide.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Identify any unstable geologic units.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	d) Provide a supporting map(s) showing Project features and geologic units. Clearly identify any areas with potentially hazardous geologic conditions. Provide associated GIS data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.7.1.4	<b>Soils.</b> Identify and describe the types of soils in the Project Area. Include the following:				need to number this heading with 5.7.1.4 at top of page 16. (NK)	The Soils section appears to be numbered correctly (5.7.1.4) and is consistent with the PEA guidelines.					
	a) Summarize the soils within the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Clearly identify any soils types that could be unstable (e.g., at risk of lateral spreading, subsidence, liquefaction, or collapse).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Provide information on erosion susceptibility for each soil type that occurs in the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	d) Provide a supporting map(s) showing Project features and soils. Provide associated GIS data.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

PEA Checklist Section:		5.7 Geology, Soils, and Paleontology									
ECORP Project Number:		2020_196.003									
Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
5.7.1.5	<b>Paleontological Report.</b> Provide a paleontological report that includes the following:				PRTR is currently under review by BLM	BLM has provided feedback on desktop paleo report (i.e., not final PRTR). In light of this feedback, the sensitivity of Tumco/Vitrefax formations has been changed from PFYC U to PFYC 1, and the name of this unit has changed from Tumco/Vitrefax formations to Tumco/Vitrefax deposits.					
	a) Information on any documented fossil collection localities within the Project Area and a 500-foot buffer.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) A paleontological resource sensitivity analysis based on published geological mapping and the resource sensitivity of each rock type.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Supporting maps and GIS data.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	confirm Will come later after PRTR is reviewed by BLM (NK)	Acknowledged. Final paleontological sensitivity maps provided after BLM review	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.7.2 Regulatory Setting</b>											
5.7.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards regarding geology, soils, and paleontological resources.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.7.3 Impact Questions</b>											
5.7.3.1	<b>Impact Questions.</b> The impact questions include all geology, soils, and paleontological resources impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.7.3.2	Additional CEQA Impact Question: None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.7.4 Impact Analysis</b>											
5.7.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<i>The following information will be included in the impact analysis:</i>											
5.7.4.2	<b>Geotechnical Requirements.</b> Identify any geotechnical requirements that would be implemented to address effects from unstable geologic units or soils. Describe how the recommendation would be applied (i.e., when and where).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.7.4.3	<b>Paleontological Resources.</b> Identify the potential to disturb paleontological resources based on the depth of proposed excavation and paleontological sensitivity of geologic units within the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.7.5 CPUC Draft Environmental Measures (from Attachment 4)</b>											
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Did Review  
solved?  
No

Did Review  
solved?  
No

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Seth Meyers  
**Initial Review Date:** 11/6/2025

**PEA Checklist Section:** 5.8 Greenhouse Gas Emissions  
 ECORP Project Number: 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?		
		Yes	No	N/A			Yes	No			Yes	No	
<b>5.8.1 Environmental Setting</b>													
5.8.1.1	<b>GHG Setting.</b> Provide a description of the setting for greenhouse gases (GHGs). The setting should consider any GHG emissions from existing infrastructure that would be upgraded or replaced by the Proposed Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An environmental setting for GHG emissions is provided on pages 5.8-1 through 5.8-2. The Proposed Project would not replace or upgrade an existing facility but would connect two existing substations with new transmission lines. Therefore, there are no existing GHG emissions associated with the Proposed Project.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
<b>5.8.2 Regulatory Setting</b>													
5.8.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards for greenhouse gases.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	A regulatory setting for GHG emissions is provided on pages 5.8-2 through 5.8-7.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
<b>5.8.3 Impact Questions</b>													
5.8.3.1	<b>Impact Questions.</b> The impact questions include all greenhouse gas impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The appropriate impact questions are included.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
5.8.3.2	Additional CEQA Impact Question: None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
<b>5.8.4 Impact Analysis</b>													
5.8.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	An impact analysis for each checklist item has been prepared.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	
<i>The following information will be included in the impact analysis:</i>													
5.8.4.2	<b>GHG Emissions.</b> Provide a quantitative assessment of GHG emissions for construction and operation and maintenance of the Proposed Project. Provide model results and all model files. Modeling will be conducted using the latest version of the emissions model at the time of application filing (e.g., most recent version of CalEEMod).  GHG emissions will be provided for the following conditions:  a) Uncontrolled emissions (before APMs are applied)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Model files have been provided.  See Comment in Air Quality spreadsheet under Section 5.3.4.2 (comment starts with "The third paragraph on Page 5.3-15..." regarding the emission factors and methodology to quantify Project helicopter emissions and apply it to the first paragraph under the "5.8.4.1.1 Greenhouse Gas Methodology" header on page 5.8-8.  See Comment in Air Quality spreadsheet under Section 5.3.4.2 (comment starts with "A review of Appendix B, Emissions Calculations, shows that..." regarding the disclosure of the use of EMFAC2021 to calculate on-road mobile emissions and apply it to the first paragraph under the	Added the following language:  "The California Air Resources Board's (CARB) EMFAC 2021 emissions factors for 2029 were used for each year of construction. The EMFAC emissions model is developed and used by CARB's EMFAC 2021 emissions factors for 2029 were used for each year of construction. The EMFAC emissions model is developed and used by CARB to assess emissions from on-road vehicles including cars, trucks, and buses in California, and to support CARB's regulatory and air quality planning efforts. Vehicle types were categorized by EMFAC Classification (LHDT2 or HHDT) and aggregate speeds were assumed."		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
		<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See Comment in Air Quality spreadsheet under Section 5.3.4.2(a) (comment starts with "While challenging for an 84-mile linear Project...") regarding the provision of a comprehensive description of the anticipated construction sequence, schedule, and equipment usage and apply it to the first paragraph under the "5.8.4.1.1 Greenhouse Gas Methodology" header on page 5.8-8. The narrative should clearly describe the construction parameters and assumptions applied in the emissions modeling analysis.	Added the following language:  "GHG emission activities were analyzed on an overall project basis. Construction would occur over eleven subphases. Activities are anticipated to occur from March 2029 to November 2030 for a total duration of 50 months. Construction subphases include Staging Areas; Civil Crew (Road Work, Foundations, Ducts) – Flat Land Crew, Regular Crew, Foundation Crew; Civil Crew (Road Maintenance, BMP's, Gates); Structure Installation – Lattice-Guyed V Framing, Lattice-Guyed V Setting, Monopole and Lattice - 4-Legged, and Spotting; Conductor and Wires Installation, and Civil Crew (Clean Up). See section 5.3, Air Quality, and Appendix B for the inputs, assumptions, and emissions results related to GHG emissions."	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See Comment in Air Quality spreadsheet under Section 5.3.4.2(a) (comment starts with "The first paragraph on page 5.3-25 describes...") regarding the calculation of emissions of a typical day of helicopter use.	Discussions with CPUC deemed that a qualitative assessment of helicopter emissions during operations is sufficient. Therefore, no change was made to the operational helicopter impact discussion.						
b) Controlled emissions considering application of APMS												
	i) Based on the modeled GHG emissions, quantify the Project's contribution to and analyze the Project's effect on climate change. Identify and provide justification for the timeframe considered in the analysis.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There are no applicable controlled emissions.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii) Discuss any programs already in place to reduce GHG emissions on a system-wide level. This includes the Applicant's voluntary compliance with the EPA SF6 reduction program, reductions from energy efficiency, demand response, LTPP, etc.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There are no applicable controlled emissions.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii) For any significant impacts, identify potential strategies that could be employed by the project to reduce GHGs during construction or operation and maintenance consistent with OPR Advisory on CEQA and Climate Change.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There are no applicable controlled emissions.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>Natural Gas Storage</b>												
5.8.4.3	<b>Natural Gas Storage Accident Conditions.</b> In addition to the requirements above, identify the potential GHG emissions that could result in the event of a gas leak.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no natural gas storage as part of the Project.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.8.4.4	<b>Monitoring and Contingency Plan.</b> Provide a comprehensive monitoring plan that would be implemented during Project operation to monitor for gas leaks. The plan should identify a monitoring schedule, description of monitoring activities, and actions to be implemented if gas leaks are observed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	There is no natural gas storage as part of the Project.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.8.5 CPUC Draft Environmental Measures</b>												

PEA Checklist Section: 5.8 Greenhouse Gas Emissions

ECORP Project Number: 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	<b>Greenhouse Gas Emissions Reduction During Construction.</b> The following measures shall be implemented to minimize greenhouse gas emissions from all construction sites: - If suitable park-and-ride facilities are available in the project vicinity, construction workers shall be encouraged to carpool to the job site. - The Applicant shall develop a carpool program to the job site. On road and off-road vehicle tire pressures shall be maintained to manufacturer specifications. Tires shall be checked and re-inflated at regular intervals. - Demolition debris shall be recycled for reuse to the extent feasible. - The contractor shall use line power instead of diesel generators at all construction sites where line power is available. - The contractor shall maintain construction equipment per manufacturing specifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	These measures were not included in the PEA; however, many of these would not be feasible for the Project.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** 5.10 Hydrology and Water Quality  
 ECORP Project Number: 2020.196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Resolved Yes
		Yes	No	N/A			Yes	No			
<b>5.10.1 Environmental Setting</b>											
5.10.1.1	<b>Waterbodies.</b> Identify by milepost all ephemeral, intermittent, and perennial surface waterbodies crossed by the Project. For each, list its water quality classification, if applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.1.2	<b>Water Quality.</b> Identify any downstream waters that are on the state 303(d) list and identify whether a total maximum daily load (TMDL) has been adopted or the date for adoption of a TMDL. Identify existing sources of impairment for downstream waters. Describe any management plans that are in place for downstream waters.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.1.3	<b>Groundwater Basin.</b> Identify all known EPA and state groundwater basins and aquifers crossed by the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.1.4	<b>Groundwater Wells and Springs.</b> Identify the locations of all known public and private groundwater supply wells and springs within 150 feet of the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.1.5	<b>Groundwater Management.</b> Identify the groundwater management status of any groundwater resources in the Project area and any groundwater resources that may be used by the Project. Describe if groundwater resources in the basin have been adjudicated. Identify any sustainable groundwater management plan that has been adopted for groundwater resources in the project area or describe the status of groundwater management planning in the area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.10.2 Regulatory Setting</b>											
5.10.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards regarding hydrologic and water quality.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.10.3 Impact Questions</b>											
5.10.3.1	<b>Impact Questions.</b> The impact questions include all hydrology and water quality impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.3.2	Additional CEQA Impact Questions: None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.10.4 Impact Analysis</b>											
5.10.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

The following information will be included in the impact analysis:

**PEA Checklist Section:** 5.10 Hydrology and Water Quality

ECORP Project Number: 2020.196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
5.10.4.2	<b>Hydrostatic Testing.</b> Identify all potential sources of hydrostatic test water, quantity of water required, withdrawal methods, treatment of discharge, and any waste products generated.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.4.3	<b>Water Quality Impacts.</b> Describe impacts to surface water quality, including the potential for accelerated soil erosion, downstream sedimentation, and reduced surface water quality.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.4.4	<b>Impermeable Surfaces.</b> Describe increased run-off and impacts on groundwater recharge due to construction of impermeable surfaces. Provide the acreage of new impermeable surfaces that will be created as a result of the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.4.5	<b>Waterbody Crossings.</b> Identify by milepost all waterbody crossings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	Provide the following information for crossing:						<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	a) Identify whether the waterbody has contaminated waters or sediments.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Describe the waterbody crossing method and any approaches to avoid the waterbody.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	unclear if the remaining six waterbodies are not affected, "See Appendix A further for additional information on waterbody crossings."	This section has been revised to clarify that 5 of the named waterbodies would not be affected and two would (the Colorado Rivera and Mittry Lake).	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Describe typical additional work area and staging area requirements at waterbody and wetland crossings.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	d) Describe any dewatering or water diversion that will be required during construction near the waterbody. Identify treatment methods for any dewatering.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	e) Describe any proposed restoration methods for work near or within the waterbody.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.10.4.6	<b>Groundwater Impacts.</b> If water would be obtained from groundwater supplies, evaluate the Project's consistency with any applicable sustainable groundwater management plan.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.10.5 CPUC Draft Environmental Measures (from Attachment 4)</b>											
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Did Review  
solved?  
No

Did Review  
solved?

No

<b>Project Name:</b>	Horizon West Transmission's Ironwood Transmission Line
<b>Reviewer(s):</b>	Alejandro Garcia
<b>Initial Review Date:</b>	11/7/2025
<b>PEA Checklist Section:</b>	5.13 Noise
<b>ECORP Project Number:</b>	2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>5.13.1 Environmental Setting</b>												
5.13.1.1	<b>Noise Sensitive Land Uses.</b> Identify all noise sensitive land uses within 1,000 feet of the Proposed Project. Provide GIS data for sensitive receptors within 1,000 feet of the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.13.1.2	<b>Noise Setting.</b> Provide the existing noise levels (Lmax, Lmin, Leq, and Ldn sound level and other applicable noise parameters) at noise sensitive areas near the Proposed Project. All noise measurement data and the methodology for collecting the data will be provided in a noise study as an Appendix to the PEA.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>1. Page 5.13.-1: Last paragraph, please also include in the paragraph, the total number and type(s) of sensitive receptors.</p> <p>Page 5.13-4: Under Existing Noise Levels, the paragraph references Figures 5.13-1 through 5.13-2c when referring to the depiction of short-term noise monitoring locations, however, after reviewing, perhaps the author meant to say Figure 5.13-2a through 5.13-2c.</p> <p>Page 5.13-4: Under Existing Noise Levels, short term noise monitoring locations are summarized in bullet points, for clarity, please label these ST-1 through ST-5 for the reader as to align with the ST numbering in Table 5.13-1.</p> <p>Page 5.13-5:, Similarly in this page when referencing the long-term noise monitoring locations it refers to Figures 5.13-1 through 5.13-2c, however, after reviewing, perhaps the author meant to say Figure 5.13-2a through 5.13-2c.</p> <p>Page 5.13-5: In the discussion of the noise meters used for the survey, in addition to noting the meter type (ANSI Type 1 or 2), slow response, dBA settings, and placement at least five feet from reflective surfaces, please also indicate that meteorological conditions were ideal per ANSI standards. This should include reference to temperature, wind speed, and whether the meters were equipped with windscreens.</p>	<p>Quantity and types of sensitive receptors added.</p> <p>In-text references to short-term noise monitoring figures fixed.</p> <p>Revised to include short-term monitoring location number for each bullet point. Also did the same for long-term monitoring locations on pg 5.13-6.</p> <p>In-text references to long-term noise monitoring figures fixed.</p> <p>Info regarding weather, wind speed, and cloud cover at time of noise measurements added (as well as clarifying use of windscreens).</p>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.13.2 Regulatory Setting</b>												
5.13.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards for noise.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<p>Page 5.13-16, Table 5.13-8: Please label the third column header in the table as "Leq (assumed)" for the reader to distinguish it from the Ln descriptors presented in the following table (Table 5.13-9).</p> <p>Page 5.13-17, Table 5.13-9: For reader clarity, please add to the table what percentile each row relates to. For example, the "Up to 30 minutes per hour (L50)" "Up to 15 minutes per hour (L25)" and so on.</p> <p>Page 5.13-17: In the paragraph following Table 5.13-9, allowable hours of construction for the City of Calexico are stated as "...between the hours of five p.m. of each day and eight a.m." Please update this to a numerated time format (e.g., 5:00 p.m. and 8:00 a.m.) consistent with the rest of the document and also as presented under the Imperial County General Plan limited construction hours (7:00 a.m. to 7:00 p.m.)</p>	<p>Third column header of Table 5.13-8 changed to "Leq (assumed)."</p> <p>Percentile noise metrics added to Table 5.13-9.</p> <p>City of Calexico construction times changed to numerated format.</p>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.13.3 Impact Questions</b>												

PEA Checklist Section: 5.13 Noise

ECORP Project Number: 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
5.13.3.1	<b>Impact Questions.</b> The impact questions include all noise impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.13.3.2	Additional CEQA Impact Questions: None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.13.4 Impact Analysis</b>												
5.13.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Page 5.13-18: We suggest spelling out the word "info" to "information" in the first paragraph under the Construction subheader.</p> <p>Page 5.13-23: The paragraph following Table 5.13-12, describes the vibration levels after accounting for distance at the nearest receptors. Please add a table showing the attenuated vibration levels at the receptors discussed under Project Components in California and Project Components in Arizona. Also, these vibration attenuation calculations and worksheets are missing from Appendix I. Please update appendix to show the attenuation vibration calculations.</p> <p>Section 5.13.4.1.4, checklist question regarding nearby airports: This analysis evaluates whether the project would expose workers to excessive airport noise during both construction and operation phases. However, it does not address whether people residing in the project area, such as existing or future residents, would be exposed to excessive noise. If this impact is determined to be less than significant, please still include a discussion addressing the people residing in the project area for completeness.</p>	<p>Revised.</p> <p>Table showing vibration levels at nearest sensitive receptor added (Table 5.13-14).</p> <p>Airport noise impacts to people residing in project area added.</p>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<i>Include the following information in the impact analysis:</i>												
5.13.4.2	<b>Noise Levels</b>											
	a) Identify noise levels for each piece of equipment that could be used during construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide a table that identifies each phase of construction, the equipment used in each construction phase, and the length of each phase at any single location.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Estimate cumulative equipment noise levels for each phase of construction.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Include phases of operation if noise levels during operation have the potential to frequently exceed pre-project existing conditions.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not applicable.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Identify manufacturer's specifications for equipment and describe approaches to reduce impacts from noise.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>For Natural Gas:</b>												
5.13.4.3	<b>Compressor Station Noise.</b> Provide site plans of compressor stations or other noisy, permanent equipment, showing the location of the nearest noise sensitive areas within 1 mile of the proposed ROW.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	The analysis does provide a figure showing the nearest receptors within 1 miles of the proposed project, but no site plans of compressor stations are shown.	Project is not a natural gas project and there are no compressor stations.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 5.13 Noise

ECORP Project Number: 2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	<p>If new compressor station sites are proposed, measure or estimate the existing ambient sound environment based on current land uses and activities.</p> <p>For existing compressor stations (operated at full load), include the results of a sound level survey at the site property line and nearby noise-sensitive areas. Include a plot plan that identifies the locations and duration of noise measurements.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	An ambient noise survey was conducted, however no discussion of compressors were included in the analysis.	Project is not a natural gas project and there are no compressor stations.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.13.5 CPUC Draft Environmental Measures (from Attachment 4)</b>												
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** 5.15 Public Services  
 ECORP Project Number: 2020.196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>5.15.1 Environmental Setting</b>												
<b>5.15.1.1</b>	<b>Service Providers</b>											
	a) Identify the following service providers that serve the Project area and provide a map showing the service facilities that could serve the Project:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	i. Police	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	What cities or towns are the Highway Patrol and sheriff offices located.	This information has been added to this section.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	ii. Fire (identify service providers within local and state responsibility areas)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iii. Schools	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	iv. Parks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	v. Hospitals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide the documented performance objectives and data on existing emergency response times for service providers in the area (e.g., police or fire department response times).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Are there any other sources to consult besides the agencies that did not respond?	For the original submittal we contacted all agencies multiple times with no response. However, we have contacted again and did receive some information which has now been incorporated in this section. Note that we did also research other planning documents to look for this information, such as the applicable General Plans	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.15.2 Regulatory Setting</b>												
<b>5.15.2.1</b>	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws or regulations for public services that apply to the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.15.3 Impact Questions</b>												
<b>5.15.3.1</b>	<b>Impact Questions.</b> The impact questions include all public service impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reference wildfire section 5.20	Reference has been added.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.15.3.2</b>	Additional CEQA Impact Questions: None	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.15.4 Impact Analysis</b>												
<b>5.15.4.1</b>	<b>Impact Analysis.</b> Provide an impact analysis for each checklist item identified in CEQA Guidelines Appendix G for this resource area and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<i>Include the following information in the impact analysis:</i>												
<b>5.15.4.2</b>	<b>Emergency Response Times</b>											
	a) Describe whether the project would impede ingress and egress of emergency vehicles during construction and operation.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		This information has been added to this section.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

PEA Checklist Section: 5.15 Public Services

ECORP Project Number: 2020.196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	b) Include an analysis of impacts on emergency response times during project construction and operation, including impacts during any temporary road closures. Describe approaches to address impacts on emergency response times.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Current response times are unknown for several agencies at date of this analysis	For the original submittal we contacted all agencies multiple times with no response. However, we have contacted again and did receive some information which has now been incorporated in this section.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.15.4.3</b>	<b>Displaced Population.</b> If the Project would create permanent employment or displace people, evaluate the impact of the new employment or relocated people on governmental facilities and services and describe plans to reduce the impact on public services.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.15.5 CPUC Draft Environmental Measures (from Attachment 4)</b>												
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

<b>Project Name:</b> Horizon West Transmission's Ironwood Transmission Line <b>Reviewer(s):</b> Kelly Hobbs <b>Initial Review Date:</b> 9/29/2025  <b>PEA Checklist Section:</b> 5.17 Transportation ECORP Project Number: 2020.196.03											
Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
<b>5.17.1 Environmental Setting</b>											
5.17.1.1	<b>Circulation System.</b> Briefly describe the regional and local circulation system in the Project Area, including modes of transportation, types of roadways, and other facilities that contribute to the circulation system.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.17.1.2	<b>Existing Roadways and Circulation</b>										
	a) Identify and describe existing roadways that may be used to access the project site and transport materials during construction or are otherwise adjacent to or crossed by linear project features.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	Provide the following information for each road:										
	i. Name of the road.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	ii. Jurisdiction or ownership (i.e., State, County, City, private, etc.).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	iii. Number of lanes in both directions of travel.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	iv. Existing traffic volume (if publicly available data is unavailable or significantly outdated, then it may be necessary to collect existing traffic counts for road segments where large volumes of construction traffic would be routed or where lane or road closures would occur).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	to be updated as project progresses	Available existing traffic volumes are provided in Table 4.17-1. Traffic volume data was not available for many roadways in the project area. No additional revisions made in response to this comment.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	v. Closest project feature name and distance.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Provide a supporting map(s) showing Project features and the existing roadway network identifying each road described above. Provide associated GIS data. The GIS data should include all connected road segments within at least 5 miles of the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.17.1.3	<b>Transit and Rail Services</b>										
	a) Identify and describe transit and rail service providers in the region.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Identify any rail or transit lines within 1,000 feet of the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Identify specific transit stops, and stations within 0.5 mile of the project. Provide the frequency of transit service.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	d) Provide a supporting map(s) showing Project features and transit and rail services within 0.5 mile of the Project Area. Provide associated GIS data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
<b>5.17.1.4 Bicycle Facilities</b>											
	a) Identify and describe any bicycle plans for the region.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Identify specific bicycle facilities within 1,000 feet of the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Provide a supporting map(s) showing Project features and bicycle facilities. Provide associated GIS data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.1.5 Pedestrian Facilities</b>											
	a) Identify and describe important pedestrian facilities near the project area that contribute to the circulation system, such as important walkways.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Identify specific pedestrian facilities that would be near the Project, including on the road segments identified per 5.17.1.2.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Provide a supporting map(s) showing Project features and important pedestrian facilities. Provide associated GIS data.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.1.6</b>	<b>Vehicle Miles Traveled (VMT).</b> Provide the average VMT for the county(s) where the Project is located.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.2 Regulatory Setting</b>											
<b>5.17.2.1</b>	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards regarding transportation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.3 Impact Questions</b>											
<b>5.17.3.1</b>	<b>Impact Questions.</b> All impact questions for this resource area in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.3.2</b>	Additional CEQA Impact Questions:										
	a) Would the Project create potentially hazardous conditions for people walking, bicycling, or driving or for public transit operations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	b) Would the Project interfere with walking or bicycling accessibility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Would the Project substantially delay public transit?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.4 Impact Analysis</b>											
<b>5.17.4.1</b>	<b>Impact Analysis.</b> Provide an impact analysis for each significance criteria identified in Appendix G of the CEQA Guidelines for transportation and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<i>Include the following information in the impact analysis:</i>											
<b>5.17.4.2</b>	<b>Vehicle Miles Traveled (VMT)</b>										
	a) Identify whether the Project is within 0.5 mile of a major transit stop or a high-quality transit corridor.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
	b) Identify the number of vehicle daily trips that would be generated by the Project during construction and operation by light duty (e.g., worker vehicles) and heavy-duty vehicles (e.g., trucks). Provide the frequency of trip generation during operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	c) Quantify VMT generation for both Project construction and operation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	d) Provide an excel file with the VMT assumptions and model calculations, including all formulas and values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	e) Evaluate the Project VMT relative to the average VMT for the area in which the Project is located.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.4.3</b>	<b>Traffic Impact Analysis.</b> Provide a traffic impact study. The traffic impact study should be prepared in accordance with guidance from the relevant local jurisdiction or Caltrans, where appropriate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.4.4</b>	<b>Hazards.</b> Identify any traffic hazards that could result from construction and operation of the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
	Identify any lane closures and traffic management that would be required to construct the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.4.5</b>	<b>Accessibility.</b> Identify any closures of bicycle lanes, pedestrian walkways, or transit stops during construction or operation of the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.4.6</b>	<b>Transit Delay.</b> Identify any transit lines that could be delayed by construction and operation of the Project. Provide the maximum extent of the delay in minutes and the duration of the delay.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.17.5 CPUC Draft Environmental Measures (from Attachment 4)</b>											
	None.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Did Review  
solved?  
No

Did Review  
solved?  
No

Did Review  
solved?  
No

<b>Project Name:</b>	Ironwood													
<b>Reviewer(s):</b>	Lisa Westwood													
<b>Initial Review Date:</b>	9/30/2025													
<b>PEA Checklist Section:</b>	5.18 Tribal Cultural Resources													
ECORP Project Number: _____														
Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes			
		Yes	No	N/A			Yes	No						
<b>5.18.1 Environmental Setting</b>														
<b>5.18.1.1</b>	<b>Outreach to Tribes.</b> Provide a list of all tribes that are on the Native American Heritage Commission (NAHC) list of tribes that are affiliated with the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
	Provide a discussion of outreach to Native American tribes, including tribes notified, responses received from tribes, and information of potential tribal cultural resources provided by tribes.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	CPUC will consult with tribes under AB 52. BLM will consult with tribes under S106. Rincon prepared a tribal participation plan, which is under review by BLM.	The Tribal Participation Plan is under review and is expected to be finalized by March 2026.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
	Any information of potential locations of tribal cultural resources should be submitted in an Appendix under clearly marked confidential cover.  Provide copies of all correspondence with tribes in an Appendix.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pending above.	Confidential information will be treated in accordance with the laws protecting cultural resources.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
<b>5.18.1.2</b>	<b>Tribal Cultural Resources.</b> Describe tribal cultural resources (TCRs) that are within the Project Area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pending agency consultation.	No response required.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
	a) Summarize the results of attempts to identify possible TCRs using publicly available documentary resources. The identification of TCRs using documentary sources should include review of archaeological site records and should begin during the preparation of the records search report (see Attachment 3). During the inventory phase, a formal site record would be prepared for any resource identified unless tribes object.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Records search and Class I inventory provides some information, but not project specific.	Information related to TCRs that may be impacted by the Project will be included in the Class III Inventory Report if that information is shared with the applicant's consultant and pending Tribal approval. At this time, no TCRs have been identified through the reserach conducted for the Class I Inventory Report or Ethnographic Literature Review. It is assumed the consultation process to be completed will include a discussion of TCRs and the lead agency would be provided such information from the consulting Tribes.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
	b) Summarize attempts to identify TCRs by speaking directly with tribal representatives.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pending agency consultation.	No response required.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
<b>5.18.1.3</b>	<b>Ethnographic Study.</b> The ethnographic study should document the history of Native American use of the area and oral history of the area.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Report states it is under review by BLM.	No response required.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
<b>5.18.2 Regulatory Setting</b>														
<b>5.18.2.1</b>	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws or regulations for tribal cultural resources that apply to the Project.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
<b>5.18.3 Impact Questions</b>														

**PEA Checklist Section:** 5.18 Tribal Cultural Resources

ECORP Project Number: \_\_\_\_\_

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Item Re Yes
		Yes	No	N/A			Yes	No			
5.18.3.1	<b>Impact Questions.</b> The impact questions include all tribal cultural resources impact questions in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
5.18.3.2	Additional CEQA Impact Questions: None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.18.4 Impact Analysis</b>											
5.18.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each significance criteria identified in Appendix G of the CEQA Guidelines for transportation and any additional impact questions listed above.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pending agency consultation.	No response required.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<i>Include the following information in the impact analysis:</i>											
5.18.4.2	<b>Information Provided by Tribes.</b> Include an analysis of any impacts that were identified by the tribes during the Applicant's outreach.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Pending agency consultation.	No response required.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>
<b>5.18.5 CPUC Draft Environmental Measures</b> (from Attachment 4)											
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>

Review  
solved?

No



Review  
solved?

No



<b>Project Name:</b>	Horizon Ironwood Transmission Line
<b>Reviewer(s):</b>	Anne Surdzial
<b>Initial Review Date:</b>	10/3/2025
<b>PEA Checklist Section:</b>	5.20 Wildfire
ECORP Project Number:	2020-196.03

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>5.20.1 Environmental Setting</b>												
<b>5.20.1.1</b>	<b>High Fire Risk Areas and State Responsibility Areas</b>											
	a) Identify areas of high fire risk or State Responsibility Areas (SRAs) within the Project Area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Provide GIS data for the Wildland Urban Interface (WUI) and Fire Hazard Severity Zones (FHSZ) mapping along the project alignment. Include areas mapped by CPUC as moderate and high fire threat districts as well as areas mapped by CalFire.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		This GIS data will be provided separately	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Identify any areas the utility has independently identified as High FHSZ known to occur within the Proposed Project vicinity.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.20.1.2</b>	<b>Fire Occurrence.</b> Identify all recent (within the last 10 years) large fires that have occurred within the project vicinity.										<input type="checkbox"/>	<input type="checkbox"/>
	For each fire, identify the following:											
	a) Name of the fire	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Location of fire	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Ignition source and location of ignition	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Ignition source and location of ignition added to Table 5.20-2 for all fires that had available data on this.	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Amount of land burned	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	e) Boundary of fire area in GIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		This GIS data will be provided separately	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.20.1.3</b>	<b>Fire Risk.</b> Provide the following information for assessment of baseline fire risk in the area:											
	a) Provide fuel modeling using Scott Burgan fuel models, or other model of similar quality.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Provide values of wind direction and speed, relative humidity, and temperature for representative weather stations along the alignment for the previous 10 years, gathered hourly.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Section references Appendix L for 5 years (not 10 years) of weather data presented in GIS format.	An additional 5 years of weather data will be provided in electronic format separately. Therefore, now 10 years is provided. Further, section 5.10.1.3 has been edited to	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	c) Digital elevation models for the topography in the Project region showing the relationship between terrain and wind patterns, as well as localized topography to show the effects of terrain on wind flow, and on a more local area to show effect of slope on fire spread.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Describe vegetation fuels within the Project vicinity and provide data in map format for the project vicinity. USDA Fire Effects Information System or similar data source should be consulted to determine high-risk vegetation types. Provide the mapped vegetation fuels data in GIS format.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Vegetation information provided in table format. Vegetation map not provided.	Vegetation maps have been added as Figure 5.20-5a and Figure 5.20-5b	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
5.20.1.4	<b>Values at Risk.</b> Identify values at risk along the proposed alignment. Values at risk may include: Structures, improvements, rare habitat, other values at risk, (including utility-owned infrastructure) within 1000 feet of the project. Provide some indication as to its vulnerability (wood structures vs. all steel features).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Communities and/or populations near the Project should be identified with their proximity to the Project defined.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	References Section 5.14.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.20.1.5	<b>Evacuation Routes.</b> Identify all evacuation routes that are adjacent to or within the Project Area. Identify any roads that lack a secondary point of access or exit (e.g., cul-de-sacs).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	References Sections 5.9 and Section 5.17. Change typo of "Table 5.20-1 of Section 5.17" to "Table 5.17-1 of Section 5.17". Sections 5.9 or 5.17 do not identify if any of the roads adjacent to or within the Project Area are City or County designated evacuation routes.	These revisions have been made in Section 5.20.1.5	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Identify any roads that lack a secondary point of access or exit (e.g., cul-de-sacs).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>		Roadways have been identified and added to discussion in Section 5.20.1.5	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.20.2 Regulatory Setting</b>												
5.20.2.1	<b>Regulatory Setting.</b> Identify applicable federal, state, and local laws, policies, and standards for wildfire.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.20.2.2	<b>CPUC Standards.</b> Identify any CPUC standards that apply to wildfire management of the new facilities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.20.3 Impact Questions</b>												
5.20.3.1	<b>Impact Questions.</b> All impact questions for this resource area in the current version of CEQA Guidelines, Appendix G.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.20.3.2	Additional CEQA Impact Questions: None	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.20.4 Impact Analysis</b>												
5.20.4.1	<b>Impact Analysis.</b> Provide an impact analysis for each significance criteria identified in Appendix G of the CEQA Guidelines for this resource area and any additional impact questions listed above.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See below for specific impact analysis comments		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<i>Include the following information in the impact analysis:</i>												
5.20.4.2	<b>Fire Behavior Modeling.</b> For any new electrical lines, provide modeling to support the analysis of wildfire risk.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire behavior modeling not provided because the Project is not within a CPUC designated HFTD. However, a portion of the project is within AZ High, Very High, and Extreme fire threat zones with Scott & Burgen fire behavior classifications. We agree that a specific model is not needed for the majority of the route, but a more specific discussion of the the fire risk impact in the AZ High, Very High, and Extreme designations should be prepared in Section 5.20.4.2.5, specifically referencing the vegetation and S&B Fire Behavior Classification.	Discussion of fire impact in AZ added to Section 5.20.4.2	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
5.20.4.3	<b>Wildfire Management.</b> Describe approaches that would be implemented during operation and maintenance to manage wildfire risk in the area.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	Provide a copy of any Wildfire Management Plan.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>5.20.5 CPUC Draft Environmental Measures</b> (from Attachment 4)												
	<p><b>Construction Fire Prevention Plan.</b> A project-specific Construction Fire Prevention Plan for both construction and operation of the project shall be submitted for review prior to initiation of construction. A draft copy of the Plan shall be provided to the CPUC and state and local fire agencies at least 90 days before the start of any construction activities in areas designated as Very High or High Fire Hazard Severity Zones. Plan reviewers shall also include federal, state, or local agencies with jurisdiction over areas where the project is located. The final Plan shall be approved by the CPUC at least 30 days prior to the initiation of construction activities. The Plan shall be fully implemented throughout the construction period and include the following at a minimum:</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> The purpose and applicability of the Plan</li> <li><input type="checkbox"/> Responsibilities and duties</li> <li><input type="checkbox"/> Preparedness training and drills</li> <li><input type="checkbox"/> Procedures for fire reporting, response, and prevention that include:               <ul style="list-style-type: none"> <li><input type="checkbox"/> Identification of daily site-specific risk conditions</li> <li><input type="checkbox"/> The tools and equipment needed on vehicles and to be on hand at sites</li> <li><input type="checkbox"/> Reiteration of fire prevention and safety considerations during tailboard meetings</li> <li><input checked="" type="checkbox"/> Daily monitoring of the red-flag warning system with appropriate restrictions on types and levels of permissible activity</li> </ul> </li> <li><input type="checkbox"/> Coordination procedures with federal and local fire officials</li> <li><input type="checkbox"/> Crew training, including fire safety practices and restrictions</li> <li><input type="checkbox"/> Method(s) for verifying that all Plan protocols and requirements are being followed</li> </ul> <p>A project Fire Marshal or similar qualified position shall be established to enforce all provisions of the Construction Fire Prevention Plan as well as perform other duties related to fire detection, prevention, and suppression for the project. Construction activities shall be monitored to ensure implementation and effectiveness of the Plan.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
	<p><b>Fire Prevention Practices (Construction and Maintenance)</b></p> <p>The Applicant shall implement ongoing fire patrols during the fire season as defined each year by local, state, and federal fire agencies. These dates vary from year to year, generally occurring from late spring through dry winter periods. During Red Flag Warning events, as issued daily by the National Weather Service, all construction/maintenance activities shall cease, with an exception for transmission line testing, repairs, unfinished work, or other specific activities which may be allowed if the facility/equipment poses a greater fire risk if left in its current state.</p> <p>All construction/maintenance crews and inspectors shall be provided with radio and cellular telephone access that is operational in all work areas and access routes to allow for immediate reporting of fires. Communication pathways and equipment shall be tested and confirmed operational each day prior to initiating construction/maintenance activities at each work site. All fires shall be reported to the fire agencies with jurisdiction in the area immediately upon discovery of the ignition.</p> <p>All construction/maintenance personnel shall be trained in fire-safe actions, initial attack firefighting, and fire reporting. All construction/maintenance personnel shall be trained and equipped to extinguish small fires in order to prevent them from growing into more serious threats. All construction/maintenance personnel shall carry at all times a laminated card and be provided a hard hat sticker that list pertinent telephone numbers for reporting fires and defining immediate steps to take if a fire starts. Information on laminated contact cards and hard hat stickers shall be updated and redistributed to all construction/maintenance personnel and outdated cards and hard hat stickers shall be destroyed prior to the initiation of construction/maintenance activities on the day the information change goes into effect.</p> <p>Construction/maintenance personnel shall have fire suppression equipment on all construction vehicles.</p> <p>Construction/maintenance personnel shall be required to park vehicles away from dry vegetation. Water tanks and/or water trucks shall be sited or available at active project sites for fire protection during construction. The Applicant shall coordinate with applicable local fire departments prior to construction/ maintenance activities to determine the appropriate amounts of fire equipment to be carried on vehicles and, should a fire occur, to coordinate fire suppression activities.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

**Project Name:** Horizon West Transmission's Ironwood Transmission Line  
**Reviewer(s):** Kelly Hobbs  
**Initial Review Date:** 9/29/2025

**PEA Checklist Section:** 9. References  
 ECORP Project Number: 2020-196.003

Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response Date:	CPUC 2nd Review Item Resolved?		Notes	Applicant 2nd Response Date:	CPUC 3rd Review Item Resolved?	
		Yes	No	N/A			Yes	No			Yes	No
<b>9.1</b>	<b>References List</b>											
	a) Organize all references cited in the PEA by section within a single chapter called "References."	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Within the References chapter, organize all of the Chapter 5 references under subheadings for each resource area section.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
<b>9.2</b>	<b>Electronic References</b>											
	a) Provide complete electronic copies of all references cited in the PEA that cannot be readily obtained for free on the Internet. This includes any company-specific documentation (e.g., standards, policies, and other documents).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Needed but not a completeness item	Administrative record will be provided	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) If the reference can be obtained on the Internet, the Internet address will be provided.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Needed but not a completeness item	Administrative record will be provided	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>