

<div><div>Project Name:Horizon West Transmission’s Ironwood Transmission Line</div><div>Reviewer(s):Kelly Hobbs</div><div>Initial Review Date:9/29/2025</div></div>												
<div>PEA Checklist</div> <div>Section:5.7 Geology, Soils, and Paleontology</div> <div>ECORP Project Number:2020-196.03</div>												
Section #	Item Description	Does the PEA include this item?			Notes	Applicant Response	CPUC 2nd Review		Notes	Applicant 2nd Response	CPUC 3rd Review	
		Yes	No	N/A			Item Resolved?	Item Resolved?			Yes	No
5.7.1 Environmental Setting												
5.7.1.1	Regional and Local Geologic Setting. 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"/>	<input type="checkbox"/>
5.7.1.2	Seismic Hazards											
	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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>
5.7.1.3	Geologic Units. 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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>
5.7.1.4	Soils. 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)							
	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"/>	<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"/>	<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"/>	<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"/>	<input type="checkbox"/>
5.7.1.5	Paleontological Report. Provide a paleontological report that includes the following:				PRTR is currently under review by BLM							
	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"/>	<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"/>	<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)		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.7.2 Regulatory Setting												

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		Yes	No	N/A			Date:	Yes			No	Date:
5.7.2.1	Regulatory Setting. 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"/>	<input type="checkbox"/>
5.7.3 Impact Questions												
5.7.3.1	Impact Questions. 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"/>	<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"/>	<input type="checkbox"/>
5.7.4 Impact Analysis												
5.7.4.1	Impact Analysis. 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"/>
The following information will be included in the impact analysis:												
5.7.4.2	Geotechnical Requirements. 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"/>	<input type="checkbox"/>
5.7.4.3	Paleontological Resources. 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"/>	<input type="checkbox"/>
5.7.5 CPUC Draft Environmental Measures (from Attachment 4)												
	None.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>