

<div><div>Project Name:Horizon West Transmission's Ironwood Transmission Line</div><div>Reviewer(s):Jeff Tupen</div><div>Initial Review Date:9/30/2025</div><div>PEA Checklist Section:5.4 Biological Resources</div><div>ECORP Project Number:2020-196.03</div></div>												
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
5.4.1 Environmental Setting												
5.4.1.1	Biological Resources Technical Report. 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.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
The following biological resources information will be presented in the PEA:												
5.4.1.2	Survey Area (Local Setting). 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.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.4.1.3	Vegetation Communities and Land Cover											
	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.		<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
5.4.1.4	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.		<input type="checkbox"/>	<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"/>	<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.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.4.1.5	Habitat Assessment. 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"/>	<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"/>	<input type="checkbox"/>
	b) Status and/or rank	<input checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>

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	d) Blooming characteristics for plants	<input checked="" type="checkbox"/>	<input 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.		<input type="checkbox"/>	<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.		<input type="checkbox"/>	<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"/>	<input type="checkbox"/>
5.4.1.6	Critical Habitat											
	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"/>	<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.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.4.1.7	Native Wildlife Corridors and Nursery Sites											
	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"/>	<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"/>	<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.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.4.1.8	Biological Resource Management Areas											
	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.		<input type="checkbox"/>	<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"/>	<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"/>	<input type="checkbox"/>
5.4.2 Regulatory Setting												
5.4.2.1	Regulatory Setting. 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"/>	<input type="checkbox"/>
5.4.2.2	Habitat Conservation Plan. 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"/>	<input type="checkbox"/>

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5.4.3 Impact Questions												
5.4.3.1	Impact Questions. 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"/>	<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"/>	<input type="checkbox"/>
5.4.4 Impact Analysis												
5.4.4.1	Impact Analysis. 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"/>	<input type="checkbox"/>
The following information will be included in the impact analysis:												
5.4.4.2	Quantify Habitat Impacts. Provide the area of impact in acres by each habitat type. Quantify temporary and permanent impacts. For all temporary impacts provide the following:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	For all temporary impacts provide the following:											
	a) Description of the restoration and revegetation approach	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	b) Vegetation species that would be planted within the area of temporary disturbance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
	c) Procedures to reduce invasive weed encroachment within areas of temporary disturbance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
	d) Expected timeframe for restoration of the site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	TBD during permitting.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.4.4.3	Special-Status Species Impacts. 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"/>	<input type="checkbox"/>
5.4.4.4	Wetland Impacts. 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"/>	<input type="checkbox"/>
	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 Appdendix J shows locations of wetlands/waters within defined Survey Area for Alternative Route Segments.		<input type="checkbox"/>	<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 permitting.		<input type="checkbox"/>	<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.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>

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	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.		<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
5.4.4.5	Avian Impacts. Describe avian obstructions and risk of electrocution from the Project. Describe any standards that will beimplemented 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"/>	<input type="checkbox"/>
5.4.5 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"/>