

Attachment K, Part 2

Segments Links and Applicable Mitigation Measures
— Pre-Construction

Mitigation Measures Applicable By Construction Link, Segment and Structures																										
Construction Links	IV Sub	500 kV Imperial County Link 1		500 kV San Diego Link 1		500 kV San Diego Link 2						Suncrest L3	230kV OH L4	230kV UG L5	230kV OH Link 4			Sycamore Sub	Reconductors			Other Substation Upgrades				
		10B	10A 10A	10A 9C	9C	9B	9A 8 E	8E	8D	8C	8C 8B				8A	7	6		5	5	4A	20	21	22	23	24
Section	All	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Segments																										
Mileposts		0	0 to 19.2	19.2 to 23.2	23.2 to 29.0	29.0 to 39.7	39.7 to 52.5	52.5 to 61.3	61.3 to 65.4	65.4 to 70.9	70.9 to 74.8	74.8 to 77.6	77.6 to 90.0		90.0 to 92.8		92.8 to 99.0	99.0 to 105.5	105.5 to 118.1							
Structures			P300-1 to P363-1	P280 to P292	P255.1 to P279	P217-1 to P254	P142 to P215	P108 to P141-1	P90 to P107	P68 to P89-1	P48 to P67	P43-1 to P47-2	P1-3 to P42		P95-1 to P109-1		P59 to P88-1	P33-1 to P58	P2 to P32-1							
B-1a: Provide restoration/compensation for impacted sensitive vegetation communities			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X			
B-1c: Conduct biological monitoring	X																									
B-1l: SDG&E shall continue to work with the USDA Forest Service to minimize impacts to the RCA between Structures 184 and 187								X																		
B-2a: Provide restoration/compensation for impacted jurisdictional areas			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
B-3a: Prepare and implement a Weed Control Plan			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X			
B-5a: Conduct rare plant surveys, and implement appropriate avoidance/minimization/ compensation strategies			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X			
B-7a: Cover all steep-walled trenches or excavations used during construction to prevent the entrapment of wildlife (e.g., reptiles and small mammals)	X																									
B-7b: Implement avoidance/mitigation/compensation according to the Flat-Tailed Horned Lizard Rangewide Management Strategy			X	X																						
B-7c: Minimize impacts to Peninsular bighorn sheep and provide compensation for loss of critical habitat			X	X	X	X	X																			
B-7d: Conduct burrowing owl surveys, and implement appropriate avoidance/ minimization/compensation strategies			X																							
B-7e: Conduct least Bell's vireo and southwestern willow flycatcher surveys, and imple-ment appropriate avoidance/ minimization/compensation strategies								X	X	X	X	X	X	X	X	X	X	X	X							
B-7h: Implement appropriate avoidance/ minimization strategies for eagle nests							X	X				X	X	X	X	X	X	X	X							
B-7i: Conduct Quino checkerspot butterfly surveys, and implement appropriate avoidance/minimization/compensation strategies							X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X			
B-7j: Conduct arroyo toad surveys, and implement appropriate avoidance/ minimization/compensation strategies							X	X			X	X	X	X	X	X	X	X	X							
B-7l: Conduct coastal California gnatcatcher surveys, and implement appropriate avoidance/ minimization/compensation strategies											X	X	X	X	X	X	X	X	X		X	X	X			
B-8a: Conduct pre-construction surveys and monitoring for breeding birds	X																									
B-9a: Survey for bat nursery colonies			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							

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B-10a: Utilize collision-reducing techniques in installation of transmission lines			X	X	X	X	X	X	X	X	X	X	X		X		X	X	X							
B-11a: Prepare and implement a Raven Control Plan			X	X																						
BIO-APM-1: Perform any detailed on-the-ground protocol surveys with regard to specific sensitive plant or wildlife species whose habitat would be impacted. Implement with B-1a, B-1b, B-2a, B-5a, B-7d, B-7e, B-7g, B-7i, B-7j, B-k, B-7l, B-7m, and B-7o	X																									
BIO-APM-2: Train personnel regarding the appropriate work practices necessary to effectively implement the biological APMs.	X																									
BIO-APM-3: Restrict vehicle movement to existing and constructed roads. Implement with B-5a, B-7a, B-8a, B-9a, B-12a, B-12b, and B-12c	X																									
BIO-APM-4: Comply with survey vehicles guidelines on existing roads	X																									
BIO-APM-7: Littering is not allowed. Implement with B-6a, B-8a, and B-12a	X																									
BIO-APM-8: Delineate sensitive plant population boundaries. Implement with B-5a	X																									
BIO-APM-10: No wildlife, including rattlesnakes, may be harmed except to protect life and limb; Firearms shall be prohibited. Implement with B-12a	X																									
BIO-APM-11: Feeding of wildlife is not allowed. Implement with B-12a	X																									
BIO-APM-12: Do not bring pets. Implement with B-12a	X																									
BIO-APM-13: Plant or wildlife species may not be collected for pets or any other reason. Implement with B-5a and B-12a	X																									
BIO-APM-16: Follow sensitive tree trimming guidelines. Implement with B-1a, B-2a, B-8a, and B-12a	X																									
BIO-APM-18: Design access roads to minimize impacts to sensitive features. Implement with B-2a and B-5a, B-8a, and B-9a	X																									

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BIO-APM-19: Implement restoration and habitat enhancement and mitigation measures developed during the consultation period with the BLM	X																									
BIO-APM-21: Comply with "Suggested Practices for Raptor Protection on Power Lines" (Raptor Research Foundation, Inc., 1981). Implement with B-10a	X																									
BIO-APM-27: Remove all existing raptor nests from structures that would be affected by Project construction. Implement with B-8a	X																									
BIO-APM-28: Remove potential roost trees	X																									
Visual Resources																										
V-1a: Reduce visibility of construction activities and equipment	X																									
V-1b: Reduce construction night lighting impacts	X																									
V-2a: Reduce in-line views of land scars		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X					
V-2b: Reduce visual contrast from unnatural vegetation lines		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X					
V-2c: Reduce color contrast of land scars on non-Forest lands		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X					
V-2d: Construction by helicopter		X						X	X	X	X	X	X	X	X				X		X					
V-2f: Reduce land scarring and vegetation clearance impacts on USFS-administered lands								X	X	X	X	X	X		X											
V-3a: Reduce visual contrast of towers and conductors			X	X	X	X	X	X	X	X	X	X	X		X		X	X	X							
V-7a: Reduce visual contrast associated with ancillary facilities		X												X					X					X	X	X
V-7b: Screen ancillary facilities		X												X					X					X	X	X
V-21a: Reduce night lighting impacts														X												
V-45a Prepare and implement Scenery Conservation Plan								X	X	X	X	X	X													
V-66a: Reduce structural prominence and visual contrast associated with the Interstate 8/Chocolate Canyon transition structures																	X									
V-68a: Eliminate skylining of ridgeline towers and conductors																		X								
VR-APM-1: Place structures at the maximum feasible distance from highway, canyon, and trail crossings. (Need SDG&E input)			X	X	X	X	X	X			X					X	X	X								
VR-APM-3: Match the spacing of structures where the line parallels existing transmission lines			X	X	X	X		X	X	X	X	X														

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VR-APM-4: No paint or permanent discoloring agents will be applied to rocks or vegetation to indicate survey or construction activity limits. Implement with V-1c	X																									
VR-APM-5: Transmission line structures will not be installed directly in front of residences or in direct line-of-sight from a residence. Implement with V-3c			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X			
VR-APM-6: In scenic view areas place structures to avoid sensitive features and/or allow conductor to clearly span the features. (Need SDG&E input)																										
Land Use																										
L-1a: Prepare Construction Notification Plan	X																									
L-1c: Coordinate with MCAS Miramar																			X	X	X	X				
L-2b: Revise project elements to minimize land use conflicts						X	X	X	X	X	X	X	X	X	X	X	X	X	X							
LU-APM-1: Provide advance notice to residents, property owners, and tenants within 300 feet of construction activities and SDG&E will appoint a public affairs officer to address public concerns or questions. Implement with L-1d	X																									
LU-APM-2: Place new transmission structures more than 330 feet from an existing residence. Implement with L-1d						X	X	X	X	X	X	X	X	X	X	X	X	X	X							
LU-APM-4: Notify property owners and tenants in advance of construction activities. Provide alternative access if feasible. Implement with L-1e	X																									
LU-APM-5: Coordinate construction activities with appropriate water management representatives. (Need SDG&E input). Implement with L-1a			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LU-APM-6: Flag ROW boundary and limits of construction activity inside and outside the ROW in environmentally sensitive areas to alert construction personnel that those areas should be minimize or avoided. Implement with L-1f			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LU-APM-7: Install project facilities along the edges or borders of private property, open space parks, and recreation areas			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							

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LU-APM-8: Continue coordination efforts with the Counties of Imperial and San Diego General Plan Updates and the City of San Diego General Plan Updates to include the Proposed Project in their respective General Plans.	X																									
LU-APM-9: Obtain all necessary and/or appropriate ministerial land use permits	X																									
LU-APM-10: Match structure locations with existing transmission facilities. (Need SDG&E input)			X	X	X	X		X	X	X	X	X														
Wilderness and Recreation																										
WR-1a: Coordinate construction schedule and activities with the authorized officer for the recreation area			X						X							X	X	X	X	X	X	X	X			
WR-1b: Provide temporary detours for trail users			X						X							X	X	X	X		X					
WR-1c: Coordinate with local agencies to identify alternative recreation areas			X						X							X	X	X	X	X	X	X	X			
WR-2a. Develop a reroute for the BCD Alternative Revision to reduce effects on recreation							X																			
WR-3a: Coordinate tower and road locations with the authorized officer for the recreation area.			X					X	X	X	X	X	X		X	X	X	X	X							
R-APM-2a: Provide advance notice of restriction of conflicts with access routes to recreational use areas. Implement with WR-1a			X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X			
R-APM-2c: Coordinate all construction activities, including temporary trail closures, affecting the parklands and trail systems of San Diego and Imperial Counties with the counties' Parks and Recreation Department. Implement with WR-1a									X							X	X	X	X	X	X	X				
R-APM-2e: Post signs advising recreation users of construction activities and directing them to alternative trails or bikeways on both sides of all trail intersections. Implement with WR-1a			X					X	X	X	X	X	X			X	X	X	X	X	X	X				
R-APM-3a: Construction-related traffic shall be restricted to routes approved by the authorized agencies	X																									
Agriculture																										
AG-1a: Avoid interference with agricultural operations							X	X	X	X	X	X					X									
AG-1c: Coordinate with grazing operators							X	X	X	X	X	X					X									
AG-3b: Consult with and inform aerial applicators							X	X	X	X	X	X					X									

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LU-APM-3: Compensate farmers for losses of crops along ROW. Implement with L-1d							X	X	X	X	X	X	X				X									
Cultural Resources																										
C-1a: Inventory and evaluate cultural resources in Final Area of Potential Effect (APE)			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-1b: Avoid and protect potentially significant resources			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-1c: Develop and implement Historic Properties Treatment Plan			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-1d: Conduct data recovery to reduce adverse effects			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-1f: Train construction personnel	X																									
C-1g Avoid and protect Old Highway 80 (P-37-024023)																X										
C-2a: Properly treat human remains	X																									
C-3a: Monitor construction in areas of high sensitivity for buried resources			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-4a: Complete consultation with Native American and other Traditional Groups			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-5a: Protect and monitor NRHP- and/or CRHR-eligible properties			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-6a: Reduce adverse visual intrusions to historic built environment properties					X		X																			
C-6e: Reduce adverse visual intrusions to portions of Old Highway 80					X		X																			
C-6f: Reduce adverse visual intrusions to the Desert View Tower viewshed					X																					
CR-APM-1: Instruct construction personnel on the protection and avoidance of cultural resources. Implement with PAL-1e	X																									
CR-APM-2: Flag archeological sites that are eligible or potentially eligible for the National Register			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-3: Report any previously unidentified cultural resource (historic or prehistoric site or object) discovered			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-4: Conduct maintenance, repair, stabilization, rehabilitation, restoration, preservation, conservation, and reconstruction of a historical resource consistent with the Secretary of the Interior's Standards for the Treatment of Historic Properties with Guidelines	X																									
CR-APM-5: Follow the guidance described for: Preservation in-place for mitigating impacts to archaeological sites, and preparation of data recovery plans	X																									

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CR-APM-6: Avoid, fence, or barricade historic properties, contributing portions and sensitive features for protection			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-7: Control erosion, sedimentation, or indirect displacement. Implement with C-2a, C-3a, C-4a, and C-5a			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-8: Avoid and protect elements of the landscape that are essential to the historic setting of the property			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-9: Install permanent fencing or barriers; or control/restrict access to the historic property			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-10: Locate project structures so that conductors span linear historic properties; underground placement of pipelines and conductors will be bored under linear properties to avoid disturbance or intrusion			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-11: Implement standard practices for cultural and paleontological resources on private lands						X	X	X	X	X	X	X	X	X	X	X	X	X	X							
CR-APM-12: Conduct cultural surveys for staging areas that have not yet been identified	X																									
Paleontological Resources																										
PAL-1a: Inventory and evaluate paleontological resources in Final APE		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
PAL-1b: Develop Paleontological Monitoring and Treatment Plan		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
PAL-1e: Train construction personnel		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
GEO-APM-9: Implement appropriate mitigation efforts if paleontological resources are encountered. Implement with PAL-1d		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
Noise																										
N-1a: Implement Best Management Practices for construction noise	X																									
N-2a: Avoid blasting where damage to structures could occur (SDG&E to define blasting)																										
NOI-APM-1: Provide notice by mail to all sensitive receptors and residences within 300 feet of construction sites, staging areas, and access roads; and establish a toll free telephone number for receiving questions/complaints. Implement with L-1a		X																								
Transportation and Traffic																										
T-1a: Restrict lane closures			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X			

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		10B	10A	9C	9B	9A	8E	8D	8C	8B	8A				7	6	5		4A	20	21	22	23	24	25	
Section		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19						
Segments	All	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Mileposts		0	0 to 19.2	19.2 to 23.2	23.2 to 29.0	29.0 to 39.7	39.7 to 52.5	52.5 to 61.3	61.3 to 65.4	65.4 to 70.9	70.9 to 74.8	74.8 to 77.6	77.6 to 90.0		90.0 to 92.8		92.8 to 99.0	99.0 to 105.5	105.5 to 118.1							
Structures			P300-1 to P363-1	P280 to P292	P255.1 to P279	P217-1 to P254	P142 to P215	P108 to P141-1	P90 to P107	P68 to P89-1	P48 to P67	P43-1 to P47-2	P1-3 to P42		P95-1 to P109-1		P59 to P88-1	P33-1 to P58	P2 to P32-1							
T-4a: Ensure pedestrian and bicycle circulation and safety.					X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X			
T-7a: Notify public of potential short-term elimination of parking spaces			X	X	X	X		X	X	X	X	X	X		X	X	X	X	X		X	X	X			
T-9a: Prepare Construction Transportation Management Plan	X																									
T-11b: Consult with and inform U.S. Customs and Border Patrol			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
T-APM-2a: Obtain required permits for temporary lane closures	X																									
T-APM-2b: Submit detour plans. Implement with T-1b	X																									
T-APM-4a: Coordinate in advance with emergency service providers to avoid restricting movements of emergency vehicles.	X																									
T-APM-5a: Consult with County Education Offices, School Districts to coordinate construction activities adjacent to school bus stops	X																									
T-APM-8a: Obtain required permits for entering railroad ROW			X	X		X		X																		
T-APM-9a: Underground all new or relocated utility facilities within 1,000 feet of an Officially Designated Scenic Highway. (Need SDG&E input)																										
Public Health and Safety																										
P-1a: Implement Environmental Monitoring Program	X																									
P-2a: Test for residual pesticides/herbicides on currently or historically farmed land					X			X	X	X	X	X														
P-7a: Evaluate contaminated sites					X	X									X	X	X									
HS-APM-1: Train personnel involved in using hazardous materials. Develop a Hazardous Communication Plan. Implement with P-1a	X																									
HS-APM-2: Train personnel in refueling vehicles. Implement with P-1a	X																									
HS-APM-3: Develop applicable environmental safety plans associated with hazardous materials. Implement with P-1a	X																									
HS-APM-4: Develop a site specific blasting plan of tower footing																			X							
HS-APM-5: Investigate all Government Code §65962.5 sites or other known contamination sites along the transmission line ROW.	X																									

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		10B	10A 10A	9C	9B	9A 8 E	8E	8D	8C	8C 8B	8A				7	6	5		4A	20	21	22	23	24	25	
Section		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19						
Segments	All	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Mileposts		0	0 to 19.2	19.2 to 23.2	23.2 to 29.0	29.0 to 39.7	39.7 to 52.5	52.5 to 61.3	61.3 to 65.4	65.4 to 70.9	70.9 to 74.8	74.8 to 77.6	77.6 to 90.0		90.0 to 92.8		92.8 to 99.0	99.0 to 105.5	105.5 to 118.1							
Structures			P300-1 to P363-1	P280 to P292	P255.1 to P279	P217-1 to P254	P142 to P215	P108 to P141-1	P90 to P107	P68 to P89-1	P48 to P67	P43-1 to P47-2	P1-3 to P42		P95-1 to P109-1		P59 to P88-1	P33-1 to P58	P2 to P32-1							
HS-APM-6: Investigate any known or potential areas for Unexploded Ordinance (UXO) used by the military along the ROW			X	X	X	X													X	X	X	X				
HS-APM-7: Train personnel involved in excavation and grading or for ROW clearing to recognized UXO and/or potential soil, surface water, and groundwater potential contamination sites	X																									
HS-APM-8: Assign an Environmental Field Representative and/or General Contractor for Health & Safety. Implement with P-1a	X																									
HS-APM-9: Contact airport representative and/or Federal Aviation Administration Authorities regarding work within all existing and proposed transmission line corridors within 2 miles of an airport.	X																									
HS-APM-10: Store and dispose of hazardous waste and solid waste in accordance with federal, State, and local regulations. Implement with P-1a	X																									
HS-APM-11: Develop Fire Prevention and Response Plan (FPRP). Assign a project Fire Marshal to enforce all provisions of the FPRP	X																									
HS-APM-12: Develop a Traffic Control Plan	X																									
HS-APM-14: Construction workers shall undergo environmental training regarding potential exposure	X																									
HS-APM-15: Stop work and notify Health and Safety Officer if during excavation soil or groundwater contamination is suspected	X																									
HS-APM-16: Terminate and condone off work if soil or groundwater contamination is suspected	X																									
HS-APM-17: Notify regulatory agency if the sample testing determines that contamination is found above regulatory limits	X																									
PS-1a: Limit the conductor surface electric gradient	X																									
PS-2a: Implement grounding measures	X																									
Air Quality																										
AQ-1a: Suppress dust at all work or staging areas and on public roads	X																									
AQ-1h: Obtain NOx and particulate matter emission offsets	X																									

Mitigation Measures Applicable By Construction Link, Segment and Structures																										
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Section		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19						
Segments	All	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Mileposts		0	0 to 19.2	19.2 to 23.2	23.2 to 29.0	29.0 to 39.7	39.7 to 52.5	52.5 to 61.3	61.3 to 65.4	65.4 to 70.9	70.9 to 74.8	74.8 to 77.6	77.6 to 90.0		90.0 to 92.8		92.8 to 99.0	99.0 to 105.5	105.5 to 118.1							
Structures			P300-1 to P363-1	P280 to P292	P255.1 to P279	P217-1 to P254	P142 to P215	P108 to P141-1	P90 to P107	P68 to P89-1	P48 to P67	P43-1 to P47-2	P1-3 to P42		P95-1 to P109-1		P59 to P88-1	P33-1 to P58	P2 to P32-1							
AQ-4a: Offset construction-phase greenhouse gas emissions with carbon credits	X																									
AQ-4c: Avoid sulfur hexafluoride emissions	X																									
AQ-APM-1: Comply with ICAPCD Rule 800 (Fugitive Dust Requirement for Control of Fine Particulate Matter [PM10]). File a Dust Control Plan with the ICAPCD		X	X	X	X	X																				
AQ-APM-2: Control fugitive dust	X																									
AQ-APM-3: Minimize mud and dust from being transported onto paved roadway surfaces, pave, and gravel	X																									
AQ-APM-4: Carpool to the job site	X																									
AQ-APM-5: Minimize unnecessary construction vehicle and idling time	X																									
Hydrology and Water Resources																										
H-1a: Prepare Substation Grading and Drainage Plan; construct during the dry season														X												
H-1a (CC):Construct during the dry season																	X									
H-1b: Construction in Los Peñasquitos Canyon Preserve to be in the dry season; SWPPP to be reviewed and approved by San Diego County and City of San Diego																			X							
H-1k: Comply with Forest Service conditions							X	X	X	X	X	X			X	X	X									
H-1l: Construction on Forest Service land to be subject to an approved, site-specific SWPPP and Sediment-Control Plan							X	X	X	X	X	X			X	X	X									
H-4b: Avoid blasting where damage to groundwater wells or springs could occur	X																									
H-5a: Install substation runoff control														X												
H-6a: Scour protection to include avoidance of bank erosion and effects to adjacent property			X	X	X	X	X	X	X	X	X	X			X	X	X	X	X							
H-7a: Develop Hazardous Substance Control and Emergency Response Plan for project operation	X													X					X					X	X	X
H-8a: Bury power line below 100-year scour depth																X										
WQ-APM-1: Minimize disturbance to riparian/wetland vegetation, drainage channels, and intermittent and perennial stream banks	X																									
WQ-APM-2: Place structures so as to avoid sensitive features such as watercourses, or to allow conductors to clearly span the features, within limits of safety and standard structure design	X																									

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WQ-APM-3: Clearly mark where construction equipment and vehicles are not allowed on-site; and train personnel	X																									
WQ-APM-4: Maintain adequate distance from stream banks and beds; use existing bridges to cross major streams and culverts in most dry intermittent streams; Span surface water, riparian areas and floodplains; prepare and implement a Storm Water Pollution Prevention Plan (SWPPP)	X																									
WQ-APM-5: Construct any stream crossings at low flow periods; and if necessary, develop a site-specific mitigation and restoration plan	X																									
WQ-APM-6: Avoid designated surface water protection areas	X																									
WQ-APM-8: Obtain and comply with required permits for any groundwater discharged to surface waters or storm drains	X																									
WQ-APM-9: Prohibit storage of fuels and hazardous materials within 200 feet of groundwater supply wells and within 400 feet of community or municipal wells	X																									
WQ-APM-10: At locations where the project would cross below or pass adjacent to streams with erodible bed or banks, comply with burial depth requirements. Implement with H-6a	X																									
WQ-APM-11: Test groundwater levels along underground portion of the project drilling pilot borings																X										
WQ-APM-13: Do not disposed of hazardous materials onto the ground, the underlying groundwater, or any surface water	X																									
WQ-APM-14: Secure required General Permit for Storm Water Discharges Associated with Construction Activity (NPDES permit) authorization	X																									
WQ-APM-15: Construct access roads to avoid streambeds	X																									
WQ-APM-16: Conduct site-specific assessments for each affected site	X																									
Geology, Minerals, and Soils																										
G-2a: Protect desert pavement			X	X																						
G-3a: Conduct geotechnical studies for soils to assess characteristics and aid in appropriate foundation design	X																									

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Section	All	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Segments																										
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G-4a: Reduce effects of groundshaking			X	X	X	X	X	X								X	X	X								
G-4b: Conduct geotechnical investigations for liquefaction			X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X							
G-5a: Minimize project structures within active fault zones			X																							
G-6a: Conduct geotechnical surveys for landslides and protect against slope instability			X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X							
G-9a: Coordinate with quarry operations			X	X														X								
GEO-APM-1: No widening or upgrading of existing access roads will be undertaken where soils are very sensitive to disturbance, except repairs, widening or upgrades necessary to make roads passable	X																									
GEO-APM-2: Comply with soil disturbance guidelines	X																									
GEO-APM-3: Avoid placing structures in areas of high shrink/swell potential	X																									
GEO-APM-4: Place structures in geologically stable areas, avoiding fault lines, brittle surface rock and bedrock	X																									
GEO-APM-5: Avoid or minimize new disturbance, erosion on manufactured slopes, and off-site degradation from accelerated sedimentation	X																									
GEO-APM-6: Conduct surface restoration for erosion control and re-vegetation	X																									
GEO-APM-8: Remove or stabilize boulders uphill of structures that pose potentially high risk of landslide damage; and position structures to span over potential landslide areas	X																									
Socioeconomics																										
S-2a: Notify public of utility service interruption			X	X	X	X									X	X	X	X	X							
S-2b: Protect underground utilities			X	X	X	X									X	X	X	X	X							
S-3b: Use reclaimed water	X																									
PSU-APM-1: Coordinate with all utility providers with facilities located within or adjacent to ensure that design does not conflict with other facilities	X																									
PSU-APM-2: Notify Underground Service Alert a minimum of 48 hours in advance of earth-disturbing activities in order to identify any buried utility lines	X																									

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PSU-APM-3: Coordinate construction schedules, lane closures, and other activities with installation of the project with emergency and police services to ensure that disruption to response times and access is minimized	X																									
Fire and Fuels Management																										
F-1a: Develop and implement a Construction Fire Prevention Plan					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
F-1b: Amend and implement Sempra Utilities Wildland Fire Prevention and Fire Safety Guide (2007)					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X					
F-1d: Remove hazards from the work area					X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X					
F-3a: Contribute to Powerline Firefighting Mitigation Fund					X				X	X		X							X							
F-3b: Prepare and implement a Multi-agency Fire Prevention MOU					X				X	X		X							X							