

Attachment K, Part 3

Segments Links and Applicable Mitigation Measures
— During Construction

Attachment K: 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		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							
Mileposts			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							
Structures																										
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-1k: Re-seed disturbed areas after a transmission line-caused fire			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	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																									

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Structures																										
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 implement appropriate avoidance/minimization/compensation strategies								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									
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			

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Section																										
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							
B-7j: Conduct arroyo toad surveys, and implement appropriate avoidance/minimization/compensation strategies							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			
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							
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							
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																									

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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-5: Configure access roads in compliance with hydrological resources guidelines. Implement with B-1a, B-2a, B-5a, and B-8a	X																									
BIO-APM-6: Comply with all applicable environmental laws and regulations. Implement with B-1a, B-5a, B-8a, and B-12a	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																									

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Structures																										
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-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-14: Comply with removal of wildlife and transportation guidelines. Implement with B-7a	X																									
BIO-APM-15: Follow APMs during emergency repairs. Implement with B-1a and B-2a	X																									
BIO-APM-16: Follow sensitive tree trimming guidelines. Implement with B-1a, B-2a, B-8a, and B-12a	X																									

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Mileposts																										
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									
BIO-APM-17: Permanently close any new access roads or spur roads constructed as part of the project that are not required as permanent access. Implement with B-1a	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																									
BIO-APM-19: Implement restoration and habitat enhancement and mitigation measures developed during the consultation period with the BLM	X																									
BIO-APM-20: Leave vegetation in place in construction areas where recontouring is not required. Implement with B-1a	X																									

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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							
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-22: Salvage may include removal and stockpiling for replanting. Implement with B-5a	X																									
BIO-APM-23: Remove only the minimum amount of vegetation necessary for the construction of structures and facilities. Implement with B-1a and B-3a	X																									
BIO-APM-24: Prevent livestock or wildlife from falling through covers. Implement with B-7a	X																									
BIO-APM-25: Revegetate disturbed soils. Implement with B-1a and B-3a	X																									
BIO-APM-26: Excavations shall be sloped on one end to provide an escape route for small mammals and reptiles. Implement with B-7a	X																									

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Mileposts																										
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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																									
BIO-APM-29: Reduce construction night lighting on sensitive habitats. Implement with B-7a and B-9a	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	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	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	X	X	X	X	X	X
V-2d: Construction by helicopter		X						X	X	X	X	X	X	X			X			X						

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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								

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Structures																										
VR-APM-2: Use dulled metal finish on transmission structures and non-specular conductors in visually sensitive areas. Implement with V-3b (Need SDG&E input)																										
VR-APM-3: Match the spacing of structures where the line parallels existing transmission lines			X	X	X	X			X	X	X	X	X													
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			

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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							
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	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	X							

Attachment K: 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	25
Section																											
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								
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	X	X	X	X	X	X	X	

Attachment K: 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																										
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							
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-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					
WR-1b: Provide temporary detours for trail users			X							X							X	X	X		X					
WR-1c: Coordinate with local agencies to identify alternative recreation areas			X							X							X	X	X	X	X					
WR-2a. Develop a reroute for the BCD Alternative Revision to reduce effects on recreation							X																			

Attachment K: 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 L 3	230kV OH L 4	230kV UG L 5	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																										
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							
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-2b: No construction that affects trail use will be conducted in that area on federal holidays. 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																										

Attachment K: 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						Suncrrest L 3	230kV OH L 4	230kV UG L 5	230kV OH Link 4			Sycamore Sub	Reconductors			Other Substation Upgrades				
		10B	10B 10A	10A 9C	9C	9B	9A 8 E	8E	8D	8C	8B 8A		7	6	5	5	4A		20	21	22	23	24	25		
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		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							
Mileposts																										
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							
R-APM-2d: Post signs directing vehicles to alternative park access and parking in the event construction temporarily obstructs parking areas near trailheads. Implement with WR-1a			X					X	X	X	X	X	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-2f: Post signs advising equestrians of construction timeframes where helicopters are used for construction, at all equestrian trail-access points within the vicinity of the flight paths. 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																										

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Attachment K: 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		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							
Mileposts			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							
Structures																										
AG-1a: Avoid interference with agricultural operations						X	X	X	X	X	X	X	X				X									
AG-1c: Coordinate with grazing operators						X	X	X	X	X	X	X	X				X									
LU-APM-3: Compensate farmers for losses of crops along ROW. Implement with L-1d						X	X	X	X	X	X	X	X				X									
Cultural Resources																										
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-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-1e: Monitor construction at known ESAs			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X							
C-1f: Train construction personnel	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							

Attachment K: 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	8B 8A				8C 8B	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	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	118.1 to 131.1	131.1 to 144.1	144.1 to 157.1	157.1 to 170.1	170.1 to 183.1	183.1 to 196.1	196.1 to 209.1	209.1 to 222.1	222.1 to 235.1	235.1 to 248.1
Mileposts																										
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									
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																			
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									
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									
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 w	X																									

Attachment K: 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		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							
Mileposts			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							
Structures																										
CR-APM-5: Follow the guidance described for: Preservation in-place for mitigating impacts to archaeological sites, and preparation of data recovery plans	X																									
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							

Attachment K: 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
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Mileposts			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							
Structures																										
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							
PAL-1c: Monitor construction for paleontology		X	X	X	X	X	X	X		X	X		X	X	X		X	X	X							
PAL-1d: Conduct paleontological data recovery		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							

Attachment K: 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	25
Section																											
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								
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				
T-4a: Ensure pedestrian and bicycle circulation and safety.						X	X	X	X	X	X	X			X	X	X	X			X	X	X				

Attachment K: 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 L 3	230kV OH L 4	230kV UG L 5	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		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							
Mileposts			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							
Structures																										
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			
T-9a: Prepare Construction Transportation Management Plan	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-6a: Comply with county parking ordinances or approved traffic control plan		X	X	X	X	X																				

Attachment K: 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		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							
Mileposts			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							
Structures																										
T-APM-6b: Prohibit parking on San Diego County-maintained roads and highways unless otherwise noted at specific locations; comply with the County of San Diego Department of Public Works Traffic Guidelines, 2001 whenever possible, or an approved traffic co						X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	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)																										
T-APM-10a: Provide the ability to quickly lay a temporary steel plate trench bridge upon request in order to ensure access to properties when not actively constructing the underground cable alignment	X																									
Public Health and Safety																										
P-1a: Implement Environmental Monitoring Program	X																									

Attachment K: 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
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Segments		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							
Mileposts			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							
Structures																										
P-1b: Maintain emergency spill supplies and equipment	X																									
P-3a: Appoint individuals with correct training for sampling, data review, and regulatory coordination	X																									
P-3b: Documentation of compliance with measures for encountering unknown contamination	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							

Attachment K: 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 L 3	230kV OH L 4	230kV UG L 5	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	25
Section																											
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-5: Investigate all Government Code §65962.5 sites or other known contamination sites along the transmission line ROW.	X																										
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	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																										

Attachment K: 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		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							
Mileposts			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							
Structures																										
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																									

Attachment K: 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 L 3	230KV OH L 4	230KV UG L 5	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
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Mileposts		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										
Structures																										
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 condrone 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-2a: Implement grounding measures	X																									
Air Quality																										
AQ-1a: Suppress dust at all work or staging areas and on public roads	X																									
AQ-1b: Use low-emission construction equipment	X																									
AQ-1h: Obtain NOx and particulate matter emission offsets	X																									

Attachment K: 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		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							
Mileposts			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							
Structures																										
AQ-4a: Offset construction-phase greenhouse gas emissions with carbon credits	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-1k: Comply with Forest Service conditions								X	X	X	X	X	X		X	X	X									

Attachment K: 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
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Structures																										
H-11: 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-2d: Maintain vehicles and equipment	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	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																									

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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
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Mileposts																										
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									
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																									
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 P	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																									

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Structures																										
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																									

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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	8B 8A				8A	8C 8B	7		6	5	5	4A	20	21	22	23
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Structures																										
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																									
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							
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							

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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	8B 8A				8C 8B	7	6		5	5	4A	20	21	22	23	24	25
Section																											
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								
G-9a: Coordinate with quarry operations			X	X														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-3a: Recycle construction waste	X																										
S-3b: Use reclaimed water	X																										

Attachment K: 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	25
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		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								
Mileposts			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								
Structures																											
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																										
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	
F-1c: Ensure coordination for emergency fire suppression						X	X	X	X	X	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	X	X	X	X	X	

Attachment K: 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 L 3	230KV OH L 4	230KV UG L 5	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
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							
F-2b: Install existing conductors on steel poles									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							