

Attachment C: Tables 1 – 5 4. Impacts to waters of the U.S. based on vegetation type (supplemental 401 application information in November 1, 2010 letter from ICF to the State Water Resources Control Board).

Note: Table 5 4 contains mitigation requirements for the Project.

Table 1: Major construction - Towers/Line undergrounding/Road Widening

Project Description	Feature ID	Species	Vegetation Type	Impacts on Vegetation				Mitigation/ Watershed
				Temporary		Permanent		
				Acres	Linear Feet	Acres	Linear Feet	
Towers								
NEW IMPACT – This feature will be temporarily and permanently impacted at Structure 4. Although the tower footings will not be places in the drainage, SCE maintains a 50-foot buffer around each tower for vegetation removal and access during operations.	7-3-S-2	Migratory Birds	Coastal Sage Scrub	0.003	129	0.001	25	Non-Federal/ Los Angeles San Gabriel Watershed
NEW IMPACT – This feature will be temporarily and permanently impacted at Structure 4. Although the tower footings will not be places in the drainage, SCE maintains a 50-foot buffer around each tower for vegetation removal and access during operations.	7-3-S-7	Migratory Birds	Coastal Sage Scrub	0.001	31	0.001	55	Non-Federal/ Los Angeles San Gabriel Watershed
P7-1 – UPDATED IMPACT AREA This feature would be temporarily and permanently impacted by the construction of Structure 15 M30-T1. The existing tower pad would be extended 30 feet northeast into jurisdictional waters to accommodate the new structure location. The pad would consist of clean fill material and rock similar to the existing tower pad. The existing tower would be removed.	7-8-S-3	Migratory Birds	Riversidean Alluvial Fan Sage Scrub	0.18	150	0.008	50	Federal/ Los Angeles San Gabriel Watershed
			Disturbed/Developed	0.32		0.009		
NEW IMPACT – This feature will be temporarily and permanently impacted by the removal and replacement of Structure 21. Although the tower footings will not be places in the drainage, SCE maintains a 50-foot buffer around each tower for vegetation removal and access during operations.	7-10-S-2	None	Mule Fat Scrub	0.01	100	0	0	Federal/ Los Angeles San Gabriel Watershed
			Disturbed/Developed	0.01		0.001		
NEW IMPACT – This feature will be temporarily impacted at a pulling site. Following construction, the drainage will be restored to pre-project contours and revegetated.	8-11-S-3	Coastal California Gnatcatcher	Coastal sage scrub	0.01	107	0	0	Non-Federal/ Los Angeles San Gabriel Watershed
NEW IMPACT – This feature will be temporarily impacted at a pulling site. Following construction, the drainage will be restored to pre-project contours and revegetated.	8-11-S-4	Coastal California Gnatcatcher	Coastal sage scrub	0.001	139	0	0	Non-Federal/ Los Angeles San Gabriel Watershed
			Ruderal Grassland	0.01		0	0	
NEW IMPACT – This feature will be temporarily impacted at a guard structure.	8-20A-S-2	Migratory Birds	Coast live oak woodland	0.003	58	0	0	Non-Federal/ Los Angeles San Gabriel Watershed
			Disturbed/Developed	0.001		0	0	
NEW IMPACT – This feature will be temporarily impacted at a guard structure.	8-38-S-1	Least Bell's Vireo and Migratory Birds	Southern Arroyo Willow Riparian Forest	0.003	50	0	0	Non-Federal/ Los Angeles San Gabriel Watershed
P8-11 - UPDATED IMPACT AREA – This feature would be temporarily impacted during construction of Structure 80. Minor vegetation removal would be required but the new structure would not be located in jurisdictional waters.	8-39-W-2	Least Bell's Vireo and Migratory Birds	Mulefat Scrub	0.07	50	0	0	Non-Federal/ Los Angeles San Gabriel Watershed

Project Description	Feature ID	Species	Vegetation Type	Impacts on Vegetation				Mitigation/ Watershed
				Temporary		Permanent		
				Acres	Linear Feet	Acres	Linear Feet	
NEW IMPACT – This feature will be temporarily and permanently impacted at Structure 131. Although the tower footings will not be places in the drainage, SCE maintains a 50-foot buffer around each tower for vegetation removal and access during operations.	8-56-S-1	None.	Disturbed/Developed	0.003	200	0	0	Non-Federal/Santa Ana Watershed
			Ruderal grassland	0.135		0.02	0	
NEW IMPACT – This feature will be permanently impacted at Structures M24-T1 and M57-T1. The drainage will be routed around the new towers and under the new access road via culverts.	8-33-S-200	None.	Coast Live Oak Woodland	0	0	0.024	346	Non-Federal/ Los Angeles San Gabriel Watershed
Road Widening								
NEW IMPACT – The existing access road at this drainage crossing turns at an angle less than 50 degrees. Large construction equipment cannot navigate this turn radius. The existing access road will be widened 30 feet on the upstream side creating a 30x20 foot turning radius that will safely allow construction equipment to pass.	7-93-S-2	Least Bell’s Vireo	Southern Willow Scrub	0.003	18	0.006	30	Non-Federal/ Los Angeles San Gabriel Watershed
P8-6 – UPDATED IMPACT AREA This feature intersects an existing access road. Maintenance grading may be required to widen the road from approximately 12 feet in some areas to 18 feet to accommodate large construction equipment. Tree trimming and removal of riparian vegetation would be required.	8-14-S-2	Migratory Birds	Disturbed/Developed	0.002	18	0	0	Non-Federal/ Los Angeles San Gabriel Watershed
	8-14-S-2		Southern Sycamore Alder Riparian Woodland	0.0004		0	0	
	8-14-S-3		Coast Live Oak Woodland	0.0001	18	0	0	
	8-14-S-4		Coast Live Oak Woodland	0.0001	18	0	0	
	8-14-S-8		Coast Live Oak Woodland	0.0002	18	0	0	
	8-14-S-9		Mulefat Scrub	0.001	18	0	0	
Underground work								
NEW IMPACT – This feature will be temporarily impacted by the installation of an underground 66kV vault and maintenance grading.	7-35-S-1	Least Bell’s Vireo, Coastal California Gnatcatcher	Disturbed/Developed	0.001	18	0	0	Non-Federal/ Los Angeles San Gabriel Watershed
P8-13 This feature would be temporarily impacted during trenching activities related to the under-grounding of an existing 66kV line. Trenching and backfill by a backhoe or excavator would be required. Native soil material would be side-caste and used to backfill the trench following the placement of underground conduit.	8-50-S-1	Burrowing Owl and Migratory Birds	Ruderal Grassland	0.09	954	0.001	0	Non-Federal/ Santa Ana Watershed
	8-50-S-2		Ruderal Grassland	0.06	1630	0.001	0	
NEW IMPACT – This feature will be temporarily impacted by the installation of an underground 66kV vault.	8-50-S-3	Potential Burrowing Owl	Disturbed/Developed	0.012	100	0	0	Non-Federal/ Santa Ana Watershed
TOTALS				0.93	3,824	0.04 0.044	160 506	

Table 2: New Roads

Project Description	Feature ID	Species	Vegetation Type	Impacts on Vegetation				Mitigation/ Watershed
				Temporary		Permanent		
				Acres		Acres		
NEW IMPACT – This feature will be permanently impacted by the construction of a new access road to a wreck out site and temporary pulling site located between Structures 1 and 3. The new road will be contoured to direct flows across the natural (dirt) road surface maintaining the natural flow line to the greatest extent feasible.	7-2-S-3	Migratory Birds	Mixed Chaparral	0	0	0.0007	18	Non-Federal/ Los Angeles San Gabriel Watershed
NEW IMPACT – This feature will be permanently impacted by the construction of a new access road to Structure 4. The new road will be contoured to direct flows across the natural (dirt) road surface maintaining the natural flow line to the greatest extent feasible.	7-3A-S-5	Migratory Birds	Coastal Sage Scrub	0	0	0.0004	18	Non-Federal/ Los Angeles San Gabriel Watershed
NEW IMPACT – This feature will be permanently impacted by the construction of a new access road to Structure 4. The new road will be contoured to direct flows across the natural (dirt) road surface maintaining the natural flow line to the greatest extent feasible.	7-3-S-6	Migratory Birds	Coastal Sage Scrub	0	0	0.002	18	Non-Federal/ Los Angeles San Gabriel Watershed
NEW IMPACT – This feature will be permanently impacted by the construction of a new access road to Structure 4. The new road will be contoured to direct flows across the natural (dirt) road surface maintaining the natural flow line to the greatest extent feasible.	7-3-S-8	Migratory Birds	Coastal Sage Scrub	0	0	0.015	18	Non-Federal/ Los Angeles San Gabriel Watershed
P8-14 New access road over unvegetated roadside ditch. Crossing will be at-grade.	8-50-S-4	Potential Burrowing Owl and Migratory Birds	Unvegetated	0	0	0.004	18	Non-Federal/ Santa Ana Watershed
TOTALS				0	0	0.02	90	

Table 3: Existing Roads - These features intersect an existing access road. Maintenance grading may be required.

Project Description	Feature ID	Species	Vegetation Type	Impacts on Vegetation				Mitigation
				Temporary		Permanent		
				Acres	Linear Feet	Acres	Linear Feet	
NEW IMPACT – The road is currently passable and no evidence of flow across the road is present. Maintenance grading may be required throughout the project as winter rain events may erode the existing access road.	7-2-S-12	None	Unvegetated	0.001	18	0	0	None
NEW IMPACT – The road is currently passable and no evidence of flow across the road is present. Maintenance grading may be required throughout the project as winter rain events may erode the existing access road.	7-2-S-13	None	Unvegetated	0.001	18	0	0	None
NEW IMPACT – The existing access road between Structure M41-T1 and Structure 64 is currently 12 foot wide and passable. Vegetation trimming may be required to allow the SCE-standard 14 foot wide access. Maintenance grading may be required throughout the project as winter rain events may erode the existing access road.	7-35-S-3	Least Bell’s Vireo, Migratory Birds	Unvegetated/ Disturbed wetland	0.007	18	0	0	None
NEW IMPACT – The existing access road between Structure M41-T1 and Structure 64 is currently 12 foot wide and passable. Vegetation trimming may be required to allow the SCE-standard 14 foot wide access. Maintenance grading may be required throughout the project as winter rain events may erode the existing access road.	7-35-W-1	Least Bell’s Vireo, Migratory Birds	Unvegetated	0.006	18	0	0	None
P7-3 Maintenance grading	7-37-S-1	Migratory Birds	Unvegetated	0.001	18	0	0	None
P7-6 – UPDATED IMPACT AREA Maintenance grading	7-39-S-2	Migratory Birds	Unvegetated	0.003	18	0	0	None
NEW IMPACT – The road is currently passable and no evidence of flow across the road is present. Maintenance grading may be required throughout the project as winter rain events may erode the existing access road.	7-93-S-1	None	Unvegetated	0.0004	18	0	0	None
P8-7 Maintenance grading	8-17-S-5	Coastal California Gnatcatcher, Coastal California Gnatcatcher Critical Habitat	Unvegetated	0.0002	18	0	0	None
NEW IMPACT – The road is currently passable. Maintenance grading may be required throughout the project as winter rain events may erode the existing access road.	8-19A-S-1	Coastal California Gnatcatcher	Unvegetated	0.002	18	0	0	None
NEW IMPACT – The road is currently passable. Maintenance grading may be required throughout the project as winter rain events may erode the existing access road.	8-19A-S-2	Coastal California Gnatcatcher	Unvegetated	0.001	18	0	0	None
P8-8 Maintenance grading	8-19-S-2	Migratory Birds, Coastal California Gnatcatcher Critical Habitat	Unvegetated	0.001	18	0	0	None
TOTALS				0.02	198	0	0	

