

Table 3-13: Proposed Project Estimated Land Disturbance

Proposed Project Feature	Quantity	Approximate Work Area (L x W) (Feet)	Approximate Area Disturbed During Construction (Acres)	Approximate Area to be Restored (Acres)	Approximate Area Permanently Disturbed (Acres)
Mesa Substation					
Internal Grading of Substation Site	1	Irregular	69.4	0.0	69.4
External Grading of the Substation Site (Excluding Access Roads)	1	Irregular	13.9	12.9	1.0
Total Estimated for Substation			83.3	12.9	70.4
Transmission Project Features					
500 kV LST	2	220 x 220	5.4	4.8	0.6
220 kV LST	18				
Guard Structures	21	150 x 50	0.7	0.7	0.0
Conductor Stringing (Pull and Tension)	9	600 x 150	10.0	10.0	0.0
Conductor Splicing	5	200 x 150	1.6	1.6	0.0
Total Estimated for Transmission			17.7	17.1	0.6
Subtransmission Project Features					
66 kV TSPs	19	220 x 150	7.0	7.0	0.0
Guard Structures	14	75 x 50	0.5	0.5	0.0
Conductor Pull and Tension Sites	12	300 x 100	1.9	1.9	0.0
Vaults (Unpaved Areas)	10	100 x 100	<0.1	0.0	<0.1
Vaults (Paved Areas)	5	30 x 20	<0.1	0.0	<0.1
Duct Banks (Unpaved Areas)	9	13,000 x 30	4.2	4.2	0.0

Proposed Project Feature	Quantity	Approximate Work Area (L x W) (Feet)	Approximate Area Disturbed During Construction (Acres)	Approximate Area to be Restored (Acres)	Approximate Area Permanently Disturbed (Acres)
Duct Banks (Paved Areas)		5,000 x 3	0.3	0.3	0.0
Total Estimated for Subtransmission			13.9	13.9	<0.1
Telecommunications Project Features					
Vaults (Manholes)	5	5 x 5	<0.1	0.0	<0.1
Duct Banks	6	1,600 x 2	0.1	0.1	0.0
Pull and Tension Sites	19	100 x 20	0.7	0.7	0.0
Total Estimated for Telecommunications			0.9	0.8	<0.1
Distribution					
Vaults	4	100 x 100	0.5	0.5	<0.1
Duct Banks	5	1,200 x 2	<0.1	<0.1	0.0
Total Estimated for Distribution			0.5	0.5	<0.1
Staging Areas					
Staging Area	4	N/A	11.3	11.3	0.0
Total Estimated for Staging Areas			11.3	11.3	0.0
Access Roads and/or Spur Roads					
New Access Roads	N/A	N/A	26.2	19.6	6.6
Existing Access Roads to be Improved					
Total Estimated for Access Roads and/or Spur Roads			26.2	19.6	6.6
General Disturbance					

Proposed Project Feature	Quantity	Approximate Work Area (L x W) (Feet)	Approximate Area Disturbed During Construction (Acres)	Approximate Area to be Restored (Acres)	Approximate Area Permanently Disturbed (Acres)
Total Additional Estimated General Disturbance			64.7	64.7	0.0
Total Estimated for Proposed Project			218.5	140.8	77.7