

ATTACHMENT A

Table 1 Total Land Disturbance for Proposed Project with Revised Components Compared to 2013 RTRP EIR

| Project Feature | Site Quantity | | Work Area Disturbance Calculation (L x W in feet) | | Permanent Disturbance Calculation (L x W in feet) | | Work Area Disturbance (acres) | | Temporary Disturbance (acres) | | Permanent Disturbance (acres) | |
|--|-----------------------|-----------------------|---|--|---|--|-------------------------------|--------------------|-------------------------------|---------------------------|-------------------------------|-------------------------------|
| | 2013 EIR | Currently Proposed | 2013 EIR | Currently Proposed | 2013 EIR | Currently Proposed | 2013 EIR | Currently Proposed | 2013 EIR | Currently Proposed | 2013 EIR | Currently Proposed |
| Overhead 230-kV Transmission Lines | | | | | | | | | | | | |
| Guard Structures | 16 | 14 | 150 x 100 | 100 x 50 | -- | -- | 5.5 | 1.6 | 5.5 | 1.6 | 0 | 0 |
| Construct New LST | 16 | 12 | 200 x 200 | 200 x 200 | 84 x 84 ¹ | 95 x 95¹ | 14.7 | 11.0 | 11.5 | 8.6 | 3.2 | 2.4 |
| Construct New TSP | 59 | 47 | 200 x 100 | 200 x 100 | 35-ft diameter ² | 60-ft diameter² | 27.1 | 21.6 | 23.5 | 18.8 | 3.5 | 2.8 |
| Construct New Riser Pole | -- | 4 | 200 x 100 | 200 x 100 | -- | 60-ft² diameter³ | -- | 3.7 | -- | 3.4 | -- | 0.3 |
| Modify Existing LST | 1 | 1 | 200 x 200 | 200 x 200 | -- | -- ⁴ | 0.7 | 0.9 | 0.7 | 0.9 | 0 | 0 |
| 230-kV Conductor & optical ground wire (OPGW) Stringing Setup Area - Puller ⁴ | 17 | 11 | 300 x 100 | 300 x 100 | -- | -- | 11.7 | 7.6 | 11.7 | 7.6 | 0 | 0 |
| 230-kV Conductor & OPGW Stringing Setup Area - Tensioner ⁴ | 17 | 11 | 400 x 100 | 400 x 100 | -- | -- | 15.6 | 10.1 | 15.6 | 10.1 | 0 | 0 |
| 230-kV Conductor Field Splice Area ⁵ | 2 | 2 | 50 x 50 | 50 x 50 | -- | -- | 0.1 | 0.1 | 0.1 | 0.1 | 0 | 0 |
| New Roads (Downline, Access, and Spur) | 7.5 miles | 4.1 miles | Linear feet x 18 ⁶ | Linear feet x 18 ⁶ | Linear feet x 18 ⁶ | Linear feet x 18 ⁶ | 16.4 | 8.9 | 0 | 0 | 16.4 | 8.9 |
| Underground 230-kV Transmission Lines | | | | | | | | | | | | |
| Vault Installation | -- | 32 | -- | 150 x 100 | -- | 8 x 5 (14 x 11 at 8 locations in soil or grass) | -- | 11.0 | -- | 11.0 | -- | 0.03 0 + 0.06 |
| Conduit Duct Bank Installation | -- | 22,000 feet | -- | Linear feet x 30 | -- | -- | -- | 15.2 | -- | 15.2 | -- | 0 |
| Distribution Lines | | | | | | | | | | | | |
| Distribution Pole Removal | 23 | 27 | xx30 x 150 | xx30 x 150 | xx14 | xx14 | xx2.4 | xx2.8 | xx | xx | xx0.08 | xx0.1 |
| TSP Riser Pole or Distribution Pole Installation | 14 | 11 | xx30 x 150 | xx30 x 150 | xx15 | xx15 | xx1.4 | xx1.1 | xx | xx⁸ | xx0.06 | xx0.04⁸ |
| Vault Installation | 7 | 9 | xx30 x 150 | xx30 x 150 | xx4 x 4 | xx4 x 4 | xx0.7 | xx0.9 | xx | xx | xx0.003 | xx0.003 |
| Conduit Duct Bank Installation | 4,000 feet | 5,850 feet | Linear feet x 30 or 32 | Linear feet x 30 | xx0 | xx0 | 2.7 | 4.5 | xx | xx | 0 | 0 |

- Deleted: 84
- Deleted: 84¹
- Deleted: 35
- Deleted: 35
- Formatted: Superscript
- Commented [RV1]: This 8x5 dimension is of the concrete lids at the surface above each vault. But in roads this wouldn't be considered a permanent disturbance since the road use doesn't change.
- Formatted: Strikethrough
- Deleted: xx
- Formatted: Strikethrough
- Deleted: xx
- Formatted: Strikethrough
- Deleted: xx
- Formatted: Strikethrough
- Deleted: xx
- Formatted: Strikethrough
- Deleted: xx
- Formatted: Strikethrough
- Deleted: xx
- Formatted: Strikethrough
- Deleted: xx
- Formatted: Strikethrough

ATTACHMENT A

| Project Feature | Site Quantity | Work Area Disturbance Calculation (L x W in feet) | | Permanent Disturbance Calculation (L x W in feet) | | Work Area Disturbance (acres) | Temporary Disturbance (acres) | Permanent Disturbance (acres) | | | | |
|---|---------------|---|-------------------|---|----|-------------------------------------|-------------------------------|-------------------------------|-----------|------------------------|-----------|--|
| | | | | | | | | | | | | |
| Telecommunication Fiber Optic Cables | | | | | | | | | | | | |
| Vault Installation | 6 | 25 x 22 (6 from 2013 EIR +16 for Hybrid Route) | 6 x 6 | 6 x 6 100x50⁷ | -- | 8 x 5 4x4 (just the lid) | 0.13 | 0.13 2.57 | 0.13 | 0.13 2.57 | 0 | 0 (Since no change to ground surface use) |
| Conduit Duct Bank Installation | 3,900 feet | 17,700 feet (OK) | Linear feet x 1.5 | Linear feet x 1.5 | -- | -- | 0.005 | 0.005 12.27 | 0.005 | 0.005 12.27 | 0 | 0 |
| Fiber Optic Cable Pulling Site | 6 | 6 | 40 x 60 | 40 x 60 | -- | -- | 0.33 | 0.33 | 0.33 | 0.33 | 0 | 0 |
| Marshalling Yards | | | | | | | | | | | | |
| Yard-1 - Material and Equipment Marshalling Yard ⁹ | 1 (15 acres) | 1 (15 acres) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Yard-2 - Material and Equipment Marshalling Yard ⁹ | 1 (4 acres) | 1 (5.5 acres) | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Sum of Estimated Disturbance Acreage ¹⁰ | | | | | | | xx | xx | xx | xx | xx | xx |

Notes:

- ~~Assumes permanent disturbance is comprised of the 45-foot-wide by 45-foot-long footprint for each LST and clearance of vegetation within 25 feet of the tower footprint inside the ROW (approximately 0.2 acre per LST). As each tower's actual permanent footprint varies with tower height and strength level, these values will adjust with final engineering.~~
- ~~Assumes permanent disturbance is comprised of the 10-foot diameter footprint for each TSP and clearance of vegetation within 25 feet of the TSP inside the ROW (approximately 0.06 acre per TSP). As each TSP's actual permanent footprint varies with TSP height and strength level, these values will adjust with final engineering.~~
- A riser pole is assumed to have the same permanent disturbance as a TSP.
- This structure has pre-existing permanently disturbed area for ongoing operations and maintenance access by SCE
- Based on 9,000 feet conductor reel lengths, number of circuits, and route design.
- Includes anchoring and dead-end hardware and/or equipment needed to temporarily secure conductor wire to the correct tension.
- Based on length of road in miles x road width of 14 feet with 2 feet of shoulder on each side of road.
- The telecommunications fiber optic cables would be installed at the same time as and within the same duct banks the underground 230-kV transmission lines and the distribution lines. As such, the work areas and associated work area and temporary disturbance would not increase.
- TSP riser poles for distribution line locations 7 and 8 would be placed in locations where existing distribution poles are removed; therefore, there would be no new permanent impact areas. Temporary impact areas for riser pole installation are accounted for in the pole removal disturbance acreage.
- Material and Equipment Marshalling Yards to be located in previously disturbed areas.
- The disturbed acreage calculations are estimates based upon SCE's preferred area of use for the described project feature, the width of the existing ROW, or the width of the proposed ROW; they are subject to revision based upon final engineering and review of the project by SCE's Construction Manager and/or contractor awarded project.

Footing Volume and Area Calculations:

LST depth +/- 60 ft. deep, 4-ft. diameter, qty 4 per LST: earth removed for footing = +/- 28 cu. yds. x 4 = 112 cu. yds.; surface area = 12.57 sq. ft. x 4 = 50.28 sq. ft.
 TSP depth +/- 60 ft. deep, 10-ft. diameter, qty 1 per TSP: earth removed for footing = +/- 175 cu. yds.; surface area = 78.54 sq. ft.

- ~~Formatted: Strikethrough~~
- ~~Formatted: Strikethrough~~
- ~~Formatted: Superscript~~
- ~~Formatted: Strikethrough~~
- ~~Formatted: Strikethrough~~
- ~~Formatted: Strikethrough~~
- ~~Deleted: xx~~
- ~~Formatted: Strikethrough~~
- ~~Formatted: Strikethrough~~
- ~~Formatted: Strikethrough~~

- ~~Deleted: P~~
- ~~Deleted: 34~~
- ~~Deleted: -long~~
- ~~Deleted: 34~~
- ~~Deleted: P~~
- ~~Deleted: ¶~~