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PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: November 1, 2012
Subject: Weekly Report 65, October 8 to October 14, 2012

INTRODUCTION

This report provides a summary of the construction and compliance activities associated with the SCE DPV2 Transmission Line and Red Bluff Substation Projects. This report is organized as follows:

- Transmission Line Construction
- Substation Construction and Upgrades
- Construction Yards and Other Workspaces

A summary of the Notices to Proceed (NTPs) with construction and Variance Request activity are also provided (see Tables 1 and 2, respectively, near the end of this report). Additionally, a summary of Temporary Extra Workspace (TEWS) and non-compliance activities are provided in Tables 3 and 4, respectively. Table 5 provides a summary of transmission line construction progress to date.

CPUC/BLM/Aspen Environmental Monitors (EM): Ryann Loomis, Rosina Goodman, Jamie Miner, Liz Majchrowicz, and Scott Debauche.

TRANSMISSION LINE CONSTRUCTION

Summary of Activity

1. Colorado River Substation (CRS) to Red Bluff Substation
 - Maintenance of BMPs occurred at Towers 2600 through 2634 and Tower 2643.
 - Tower foundation drilling and concrete repairs occurred at Tower 2634.
 - Tower assembly and/or steel deliveries occurred at Towers 2543, 2548, 2555, 2556, 2557, 2558, 2559, 2560, 2562, 2563, 2565, 2566, 2567, 2568, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2602, 2613, 2614, 2615, 2616, 2617, 2618, 2621, 2622, 2623, 2624, 2625, 2626, 2629, 2630, 2631, 2632, 2633, 2634, 2642, 2643, 2644, 2645, 2646, and CR1-5E.
 - Wire stringing activities were conducted at Towers 2543, 2544, 2546, and 2547.
2. Red Bluff Substation to Devers Substation
 - Coachella Valley fringe-toed lizard exclusionary fence installation occurred at Wire Stringing locations Pull Site 4, Pull Site 5, Wire Site 8, Splice Site 8, Splice Site 10, Guard Structure 19, Wire Site 27, Pull Site 28, and Splice Site 17 (see Figure 1).
 - Installation of BMPs occurred at Towers 2015, 2110, 2136, 2325, and Wire Stringing locations Pull Site 4, Pull Site 5, Pull Site 62, Pull Site 68, Wire Site 8, Wire Site 61, Wire Site 67, Wire Site RB-14, Splice Site 8, Splice Site 10, Splice Site 47, Splice Site 52, Guard Structure 19, Wire Site 27, Pull Site 28, and Splice Site 17.



- Maintenance of BMPs occurred at Towers 2010, 2109, 2120, 2135, 2206, 2207, 2230, 2243, 2244, 2310, 2325, 2340, 2412, 2414, 2415, 2416, 2417, 2418, 2424, 2425, 2426, 2427, 2428, 2507, 2514, 2515, 2516, 2517, 2526, RB1-2W, and at Helicopter Landing Zone (HLZ) H5.
- Grading activities occurred at Towers 2237, 2238, and at Wire Stringing locations Pull Site 62, Pull Sites 68, Wire Site 61, Wire Site 67, Wire Site RB-14, Splice Site 47, Splice Site 52, and Guard Structures RB-05 and RB-06.
- Desert pavement salvage occurred at Wire Stringing locations Pull Site 62, Pull Site 68, Wire Site 61, Wire Site 67, Splice Site 47, and Splice Site 52.
- Topsoil salvage for special-status plants and/or sensitive vegetation communities occurred at Wire Stringing locations Pull Site 62, Wire Site 61, and Splice Site 47.
- Micropile activities occurred at Towers 2307, 2308, 2309, 2310, 2422, and RB1-1W (see Figure 2).
- Tower foundation drilling activities occurred at Towers 2265, 2267, 2269, 2302, 2306, and 2528 (see Figure 3).
- Tower foundation concrete pouring activities occurred at Towers 2260, 2265, 2267, 2269, 2302, 2306, 2519, 2525, and 2528 .
- Tower assembly and/or steel deliveries occurred at Towers 2415, 2417, 2418, 2419, 2430, 2450, 2501, 2504, 2516, 2519, 2525, RB1-1W, and RB1-4E.
- Wire stringing activities occurred between Towers 2519 and 2532 and associated Wire Stringing locations. Additionally, insulators and travelers were installed at several tower locations in preparation for stringing activities (see Figure 4).

3. Devers Substation to Valley Substation

Non-USFS Land

- Installation of BMPs occurred at Towers 1062, 1081, 1084, 1087, 1105, 1111, 1125, 1126, 1127, 1128, 1144, 1145 and HLZs H2 and H7.
- Maintenance of BMPs occurred at Towers 1084, 1096, 1099, 1100, 1104, 1135, and 1137.
- Vegetation clearing occurred at Towers 1079, 1081, 1084, 1087, 1127, 1142, 1144 and HLZ H2 (see Figure 5).
- Spur road and crane pad grading occurred at Towers 1081, 1084, 1087, 1088, 1094, 1096, 1104, 1105, 1125, 1126, 1127, 1145, and HLZ H2.
- Rock clearing and micropile foundation preparation occurred at Towers 1036, 1038, 1092, and 1107.
- Tower foundation drilling activities occurred at Towers 1080, 1088, 1090, 1092, 1094, 1096, 1097, 1098, 1099, 1101, 1104, 1105, 1106, 1125, 1126, 1135, 1146, 1153, 1155, 1156 and 1157.
- Micropile foundation drilling occurred at Towers 1033 and 1034.
- Tower foundation concrete pouring activities occurred at Towers 1079, 1094, 1096, 1098, 1099, 1101, 1106, 1140, 1153, 1155, and 1156.
- Tower assembly and/or steel deliveries occurred at Tower 1022, 1024, 1025, 1026, and 1065.

USFS Land

- Vegetation clearing occurred at Towers 1037, 1038, 1040, and 1041.
- Rock clearing and micropile foundation preparation occurred at Towers 1037 and 1038.

Environmental Compliance

- Per the requirements of the Paleontological Monitoring and Treatment Plan, approved paleontological monitors were present during grading and foundation drilling activities where required throughout the subject period.
- The CPUC EMs confirmed that approved desert tortoise Authorized Biologists were available at all applicable sites.
- The CPUC EMs confirmed Authorized Coachella Valley Fringe-toed monitors and handlers were onsite during construction activities at applicable sites.
- The CPUC EMs confirmed that wildlife ramps were employed to avoid wildlife entrapment during micropile foundation activities at Towers 2307, 2308, and 2310.
- SCE is currently providing the contractor with a list of sites that require BMP maintenance and a deadline date by which repairs at each site must be made according to conditions of the project SWPPPs. During the subject period, the SCE General Monitors identified a total of eleven sites that required maintenance to BMPs and were subsequently added to the list.
- During the subject period, there was one incident associated with inadequate secondary containment reported.
- During the subject period there were two incidents of crews arriving onsite prior to the site being swept for biological resources.
- During the subject period, there were two reportable spill incidents:
 - On October 10, the SCE Field Lead Monitor found the drill rig at Tower 1148 with the fuel cap broken, removed, and diesel was siphoned and spilled in an apparent theft. Double Barrel Environmental Services were contacted for the cleanup of the contaminated soil (see Figure 6). Contaminated rock and soil was consolidated into five 55-gallon drums and removed offsite to Double Barrel headquarters along with a gas container, hose, and other debris. SCE provided this information to the Riverside County Department of Environmental Health and Safety and immediately notified the CPUC EM.
 - On October 12, the drilling contractor was mobilizing their crane from Tower 1155 to Tower 1153 when a hydraulic seal blew spilling hydraulic fluid for about 250 feet along the access road. Both contractor and SCE personnel were involved in the cleanup and documentation process. The construction crew with the contractor environmental representatives removed 300 gallons of contaminated soil from the location and consolidated at an off-site storage facility located in Beaumont, California. State and local agencies were notified. SCE also immediately notified the CPUC EM.
- During the subject time period, one non-reportable (< 1 gallon) spill of diesel fuel occurred. Proper remedial efforts were implemented.
- During the subject time period, two non-reportable (< 1 gallon and > 1 gallon) spills of concrete occurred. Proper remedial efforts were implemented.
- During the subject period there were three reported incidents associated with vehicles traveling at speeds exceeding the project speed limits. Each of these incidents occurred along the CRS access road.
- There were three reported incidents of crews going outside of approved project boundaries.
 - On October 9, the onsite Coachella Valley fringe-toed lizard Monitor observed a contractor environmental personnel traveling downhill from Tower 2109 to Tower 2110. The Monitor spoke with the personnel to share that the section of right-of-way (ROW) she was using was no longer being used by project personnel due to high activity habitat for the Coachella Valley fringe-toed lizards. The personnel stated that no signage was detected designating the segment of ROW off-

limits. The Monitor did not detect any damages or mortalities as a result of the off-limit ROW usage. The SCE Field Contact Representative (FCR) visited the ROW between Towers 2109 and 2110 following the incident and discovered the ESA signage and stringing across the access road was blown over. Signage and stringing were replaced immediately. The Kenny Construction Coordinator communicated to the FCR that he would oversee the installation of "PAR" Red Stakes on the ROW at this location to help prevent future incidents.

- On October 10, a Biological Monitor observed a contractor water truck off of the ROW between tower site 1097 and 1098. The contractor was informed that he was off of the ROW and his vehicle was moved immediately with the help of a boom truck as it was stuck. Resources were damaged as a result of the vehicle driving off of the ROW. The damaged area was measured at 9 feet long and 5.5 feet wide.
- On October 13, the SCE Biological Monitor reported observing heavy equipment tracks located approximately five feet off the ROW access road between Towers 2625 and 2626, resulting in three crushed creosote bushes and an approximate disturbance area in desert tortoise critical habitat of 5' x 75'. The FCR was immediately notified; however, this incident was reported as an observation since the SCE Biological Monitor did not witness the violation.
- On October 8, the CPUC EM attended the micropile crew tailboard meeting at the Summit Construction Yard. During the tailboard, several CRUX crew members and SCE Biological Monitors were provided with a viewing of a helicopter safety training video and reissued helicopter safety hardhat stickers (see Figure 7).
- On October 9, the CPUC EM arrived onsite at HLZ H2 and discovered that vegetation clearing occurred in areas with inactive nests. In speaking with the onsite Monitor, avian specialists had thoroughly investigated the nests to ensure the nests were inactive prior to their removal. The CPUC LEM contacted the CDFG representative to ensure this was the proper procedure for SCE to follow. The CDFG Representative indicated that SCE should have contacted them prior to the vegetation clearing to inform them that this would occur, but also indicated that avian specialists checking the nests prior to vegetation clearing was the proper procedure.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Transmission Line activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (Other than CPUC EMs):

None.

SUBSTATION CONSTRUCTION AND UPGRADES

Summary of Activity

1. Colorado River Substation (CRS) (BLM Lands) – Activities that occurred at CRS during the subject time period included foundation and wall panel work associated with the MEER building, installation of conductor cable, maintenance of V-ditches, drilling and concrete pouring for foundations, backfilling conduit trenches, excavating trenches for grounding, transformer pad construction, and perimeter wall finishing (see Figure 8). Maintenance repairs along the CRS access road and side slopes are ongoing.
2. CRS Telecomm Line (BLM and Private Lands) – No construction activities were conducted during the subject period.
3. Desert Center Telecomm Site (BLM and Private Lands) – No construction activities were conducted during the subject period.
4. Chuckwalla Telecomm Site (BLM Lands) – No construction activities were conducted during the subject period.

5. Series Capacitor (BLM Lands) – Activities that were conducted during the subject period included site preparation for capacitor installation and equipment deliveries.
6. Red Bluff Substation (BLM Lands) – Activities that were conducted at the Red Bluff site included well pumping, crushing of native cut, trenching of slopes for grounding, drilling and pouring concrete, installation of forms and perimeter wall panels, transformer bank and conduit work, backfilling the drainage basin, and culvert and drainage improvements.
7. Devers Substation (Private Lands) – Activities that were conducted for the Devers Substation expansion and upgrades included the curing of the Natural Pavement, removal of a helicopter landing pad, and installation of the perimeter fence for the substation expansion area (see Figure 9).
8. Valley Substation (Private Lands) – Activities within the Valley Substation activities included construction of existing position 8 switchrack circuit breakers and disconnect switches, and associated construction activities, all within the existing substation and established construction and staging areas (see Figure 10).

Environmental Compliance

- SCE General, Biological, and Archeological Monitors were onsite, as appropriate, throughout all construction activities associated with CRS, the Red Bluff Substation, Devers Substation, and the Series Capacitor sites.
- After increasing concern from BLM and the CPUC of the Mojave Fringe-toed Lizard (MFTL) mortalities along the CRS access road, CPUC requested SCE to increase monitoring of the access road, including the speed of vehicles traveling the road, and to make observations on MFTL sightings and mortalities. CPUC also added a dedicated CPUC Biological Monitor to the CRS access road. Daily reports documenting the CPUC Biological Monitor observations are submitted to BLM, CPUC, and SCE.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Substation Construction and Upgrade activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (Other than CPUC EMs):

None.

CONSTRUCTION YARDS AND OTHER WORKSPACES

Summary of Activity:

Non-Federal Lands:

Blythe Yard (Material Yard/Contractor Show-Up Yard) – No construction activities occurred during the subject period. Activities are limited to minor maintenance, implementation of BMPs, material deliveries, temporary storage of construction equipment and materials, and worker vehicle parking.

Desert Center 1 Yard (Material Yard) – No construction activities occurred during the subject period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Desert Center 2 Yard (Material Yard/Contractor Show-Up Yard) – No construction activities occurred during the subject period. Activities are limited to minor maintenance, implementation of BMPs, material deliveries, temporary storage of construction equipment and materials, and worker vehicle parking.

Chiriaco Summit Yard (Material Yard) – No construction activities were conducted during the subject period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Indio Yard (Material Yard) – No construction activities occurred during the subject period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Indio 2 Yard (Material Yard) – No construction activities were conducted during the subject period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Devers Yard (Material Yard) – No construction activities were conducted during the subject time period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Devers 2 Yard (Contractor Show-Up Yard) – No construction activities were conducted during the subject period. Activities are limited to minor maintenance, implementation of BMPs, temporary storage of construction equipment and materials, and worker vehicle parking.

Beaumont Yard (Material Yard) - No construction activities were conducted during the subject time period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Beaumont 2 Yard (Contractor Show-Up Yard) – No construction activities were conducted during the subject period. Activities are limited to minor maintenance, implementation of BMPs, temporary storage of construction equipment and materials, and worker vehicle parking.

Menifee Yard (Contractor Show-Up Yard) – No construction activities were conducted during the subject period. Activities are limited to minor maintenance, implementation of BMPs, temporary storage of construction equipment and materials, and worker vehicle parking.

Perris Yard (Contractor Show-Up Yard) – No construction activities were conducted during the subject period. This yard is not currently being utilized.

Environmental Compliance:

- SCE Biological Monitors conducted biological sweeps at all construction yards throughout the subject period.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Construction yard activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (Other than CPUC EMs):

None.

CPUC/BLM NOTICES TO PROCEED (NTPS)

Table 1 summarizes the CPUC/BLM Notices to Proceed (NTPs) for the DPV2 and Red Bluff Projects, to date.

TABLE 1
NTPS
(Updated 11/01/12)

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
CPUC NTPs				
NTP #1	04/28/11	06/23/11	Yards	Authorization to proceed with the development of the Devers, Desert Center 1, Desert Center 2, Summit, Blythe, Perris, Beaumont, and Menifee Construction Yards.
NTP #2	08/05/11	09/09/11	T/L	Installation of exclusionary fencing, Devers to Blythe. No cultural resources affected. Bio pending.
NTP #3	08/26/11	09/19/11	Yards	Construction of Beaumont Construction Yard #2.
NTP #4	09/09/11	09/20/11	Yards	Construction of Indio Construction Yard.

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
NTP #5	09/16/11	10/11/11	Red Bluff Distribution Line	Upgrades to a segment of the existing SCE 12 kV circuit overhead distribution line to supply light and power to the Red Bluff Substation, non-BLM lands.
NTP #6	09/16/11	10/17/11	Substation	Authorization to proceed with improvements to the new Colorado River Substation on private lands, including extension of the existing 33 kV distribution line, installation of a new telecommunication line, and access road improvements.
NTP #7	09/09/11	12/01/11	T/L – DPV1	Construction activities associated with a minor relocation of the Devers-Valley No. 1 Line (DV1).
NTP #8	10/08/11	12/02/11	T/L – CRS to Red Bluff	Construction of the DPV2 transmission line between Red Bluff and Colorado River Substations and replacement of existing DPV1 overhead ground wire; non-BLM lands.
NTP #9	10/08/11	12/02/11	T/L – Devers to Red Bluff	Construction of the DPV2 transmission line between the existing Devers Substation and the new Red Bluff Substation; non-BLM lands.
NTP #10	10/08/11	12/02/11	T/L – Devers to Valley	Construction of the DPV2 transmission line between existing Devers and Valley Substations; not including San Bernardino National Forest lands.
NTP #11	11/08/11	12/10/11	Yards	Construction of Devers 2 and Indio 2 Construction Yards.
NTP #12	01/20/12	02/03/12	Yards	Construction of Desert Center 3 Construction Yard.
NTP #13	04/12/12	05/09/11	Substation	Devers Substation upgrades
NTP #14	06/13/12	06/20/12	Substation	Valley Substation upgrades
—	06/19/12	Retracted	T/L- Devers to Valley	H10- Helicopter Landing Zone
	07/16/12	Under Review	Substation	Colorado River Substation to Blythe South East Telecommunication Route
BLM NTPs				
BLM NTP #1	08/26/11	09/19/11	DPV2 Substation, T/L	Authorization to proceed with construction of the DPV2 Transmission Line, Colorado River Substation, and associated project components on BLM lands.
BLM NTP #2	08/26/11	09/19/11	Substation	Construction of Red Bluff Substation and associated project components, BLM lands.

VARIANCE & TEMPORARY EXTRA WORKSPACE REQUESTS

Table 2 presents Variance Requests submitted to CPUC, BLM and/or USFS for review and approval. Table 3 presents CPUC Temporary Extra Workspace (TEWS) and BLM Level 1 requests that are submitted to the CPUC EMs for review and approval. Variance Requests and CPUC TEWS/BLM Level 1 requests submitted to date are summarized in Tables 2 and 3, respectively.

TABLE 2
VARIANCE REQUESTS
 (Updated 11/01/12)

Variance Request	Date Requested	Date Issued	Segment	Description
Private Lands (CPUC Jurisdiction)				
VR #1	05/06/11	05/24/11	Devers-Valley	Construction of traditional lattice towers instead of "Tetra" towers at two locations (Structures #1139 and #1140)
VR #2	04/21/11	05/26/11	All	Revisions to Mitigation Measure B-7d pertaining to seasonal restrictions for Coachella Valley fringe-toed lizard and flat-tailed horned lizard to support consistency with conditions provided in the Biological Opinion.
VR #3	07/12/11	07/18/11	DC 1 & DC 2 Yards	Utilize offsite well location and installation of 12,000-gallon water tank for filling trucks.
VR #4	07/06/11	07/21/11	Menifee Yard	Expansion of Menifee Construction Yard, which would include approximately 5 acres of additional disturbance within the western portion of the parcel, for material storage and other activities.
VR #5	04/22/11	07/28/11	CRS Devers and Valley Substations, Series Capacitor Site	Modification of APM A-7 regarding carpooling for construction at substations.
VR #6	07/07/11	08/01/11	Menifee, Beaumont, Perris Yards	Request to remove Mitigation Measures B-13a and B-13b, and to modify B-1a, B-1a (revised), and B-7e pertaining to Western Riverside County MSHCP compliance.
VR #7	08/11/11	08/22/11	Perris, Beaumont, Menifee, Blythe Yards	Request to utilize offsite water hydrants at Perris, Beaumont, Menifee, and Blythe Construction Yards.
VR #8	08/26/11	08/27/11	Beaumont Yard	Request to install seeded jute netting along the property frontage at Beaumont Construction Yard.
VR #9	08/24/11	09/01/11	DC 2 Yard	Request for installation of temporary power poles outside of Desert Center 2 Construction Yard.
VR #10	08/26/11	09/01/11	Devers & Summit Yards	Utilize offsite water locations needed for dust suppression at Devers and Summit Construction Yards.
—	09/21/11	Retracted	Perris Yard	Request for additional workspace involving vegetation clearing, installation of BMPs, and temporary driveway installation at Perris Construction Yard.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #11	09/26/11	09/28/11	T/L	Two water sources for exclusionary fencing work.
VR #12	10/13/11	10/18/11	T/L	Request for parking/temporary staging of vehicles along existing access road within the Coachella Valley Preserve during exclusionary fencing activities.
VR #13	10/26/11	11/10/11	Devers Yard	Request for temporary power supply to provide power to construction trailer at the Devers #1 Construction Yard.
VR #14	11/10/11	11/28/11	Substation	Request for increased well pumping to support civil work, including access road improvements, at Colorado River Substation.
VR #15	12/13/11	12/14/11	Summit Yard	Request for temporary power outside yard boundaries required to power office trailers.
VR #15 Mod	04/25/12	05/02/12	Summit Yard	Request for temporary power modification.
VR #16	12/22/11	01/04/12	Project-wide	Request to approve alternate/extended work hours project-wide.
VR #17	01/04/12	01/09/12	Project-wide	Request to utilize existing approved construction yard and/or exclusionary fencing water sources for transmission line construction needs.
VR #18	10/25/12 10/26/12	Denied 01/13/12	Substation	Request to formalize changes to the Red Bluff MMCRP Mitigation Measure BIO-4 and Applicant Measure BIO-5.
VR #19	01/06/12	01/18/12	T/L	Request to allow the usage of helicopter landing zone H9-DV as a replacement for H8-DV.
VR #20	01/13/12	01/19/12	T/L	Request for the use of offsite water hydrants located in the Cabazon area for dust suppression.
VR#21	01/20/12	02/02/12	T/L	Request for the use of offsite water hydrants located in the Lake Tamarisk area for dust suppression
VR #21 Mod	03/16/12	03/21/12	T/L	Modification to VR #21. Request installation of two driveways and an underground water line adjacent to the approved stand tank locations at the Lake Tamarisk Resort water source.
VR #21 Mod	09/24/12	10/03/12	T/L	Request for a modification to Variance #21 for the expansion of the egress at the Lake Tamarisk water source.
VR #22	01/25/12	02/02/12	T/L	Request to install 10,000-gallon standing water tanks at three locations.
VR #23	01/27/12	02/21/12	T/L	Request to modify NTP #10 and MM AQ-1g for additional t-line helicopter construction.
VR #24	02/08/12	02/21/12	T/L	Request for approval to purchase MWD water credits in lieu of Colorado River water credits due to the unavailability of water allotments within the Colorado River Basin.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #25	02/10/12	02/28/12	T/L	Request for use of existing DPV1 access roads and spur/stub roads for parking and staging of vehicles and equipment.
VR #26	03/09/12	03/16/12	Substation	Request for the use of offsite water source located on a private date farm.
VR #27	03/09/12	03/20/12	Substation	Request for the use of offsite water source located off Corn Springs Road.
VR #28	03/22/12	03/30/12	T/L	DPV2 Gas Line Road.
VR #29	03/22/12	04/04/12	T/L	DVP1 minor relocation of outage pull sites.
VR #30	03/23/12	04/10/12	Substation	CRS pull sites.
VR #31	04/24/12	05/05/12	T/L	Helicopter landing zone H2 disturbance area revision
VR #32	03/16/12	05/08/12	T/L	HLS H7-DV boundary modification.
VR #33	04/26/12	05/17/12	T/L	Additional water hydrant locations
VR #35	05/11/12	05/15/12	Substation	Request to eliminate construction screening of the Devers Substation Expansion area.
VR #36	05/17/12	05/29/12	T/L	Three additional water stand tanks from Devers to Red Bluff
VR #37	06/20/12	06/30/12	T/L	Request a disturbance area shift for Tower 1013 due to engineering changes.
VR #38	08/09/12 Revised	08/21/12	T/L	Request for additional water source locations in the Thousand Palms area.
VR #39	08/14/12	09/05/12	T/L	Request for additional access road use near Towers 2103, 2112, and 2260.
VR #40	08/22/12	09/11/12	T/L	Request for the use of an existing spur road to Tower 2242.
VR #41	09/10/12	09/12/12	T/L	Request for the use of additional access routes to Towers 1118-1122 and HLZ H9. These roads were previously approved through the TEWS process.
—	04/12/12	Retracted	T/L	Preconstruction survey extension request from 14 days to 30 days. Petition for Modification required.
—	08/09/12 revised	Retracted	T/L	APM A-6 - Eliminate tarping on bottom dump trucks. Petition for Modification required.
VR #42	08/14/12	09/21/12	T/L	Request for a road to be used as a helicopter picking site near Tower 1031.
—	08/14/12	Retracted	T/L	Request that Helicopter Landing Zones (HLZs) on Devers to Valley be exempt from construction screening MM V-1a.
VR #43	09/18/12 (revised)	09/21/12	T/L	Request revisions to pull sites from Devers to Red Bluff.
VR #44	09/24/12	09/28/12	T/L	Request a stub road revision at Tower 1147.
VR #45	09/25/12	10/04/12	T/L	Request for the use of additional access roads on the Devers to Valley section.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #46	09/20/12	10/10/12	T/L	Helicopter Picking Locations for Sites 1112 and 1108.
VR #47	10/09/12 (revised)	10/18/12	T/L	Relocation of guard structures and an addition of an access road in the Devers to Red Bluff section.
VR #48	10/02/12	10/18/12	T/L	Request for an additional water source in the Devers to Valley section.
	10/19/12	Under Review	T/L	Request for the expansion of splice site 57 (near Tower 2557) and expansion and shift of splice site 64 (near Tower 2614).
	10/24/12	Under Review	T/L	Request to convert two conventional tower sites to helicopter sites from Devers to Red Bluff. In addition, SCE is requesting to add temporary helicopter platforms to access three sites.
	10/30/12	Under Review	Substation	Request access road improvements along the CRS access road.
BLM				
BLM #1	10/18/11	10/27/11	Substation	Request to install a temporary guard structure along the entrance of the existing transmission line access road for Colorado River Substation.
BLM #2	10/19/11	10/27/11	Substation	Request to approve 24-hour drilling operations at the CRS site.
BLM #3	01/24/12	02/28/12	Red Bluff	Rock Crushing
BLM #4	03/16/12	03/30/12	Substation	Red Bluff Loop-in pull site modifications.
BLM #5	03/22/12	05/18/12	T/L	DPV2 Gas Line Road.
BLM #6	03/23/12	04/10/12	Substation	CRS pull sites.
BLM #7	03/28/12	04/11/12	Substation	Request for HLZ (helicopter landing zone) at Red Bluff Loop-in Tower site RB1-2W.
BLM #8	04/06/12	05/16/12	Substation	Additional water sources @ Red Cloud Road, Red Bluff Substation.
DNA #1	10/27/11	12/07/11	Series Capacitor	Request for a slight expansion of the Series Capacitor site due to engineering conflicts.
DNA #2	12/21/11	02/01/12	Red Bluff	Request to install secondary well at Red Bluff Substation site.
DNA #3	12/22/11	05/24/12	Series Capacitor	Request to relocate a portion of the Imperial Irrigation District distribution line located at the Series Capacitor site.
DNA #4	02/01/12	05/24/12	T/L	Request for the addition of proposed helicopter construction and maintenance platforms to the description included in the Project Refinements 1 and 2 documents.
DNA #5	03/05/12	05/22/12	Red Bluff Loop-ins	Request to revise road locations.
DNA #6	04/04/12	04/17/12	Substation	Red Bluff Substation access road realignment.

Variance Request	Date Requested	Date Issued	Segment	Description
DNA #7	04/12/12	05/22/12	Series Capacitor	Certain activities to be constructed within the footprint of the Series Capacitor bank.
DNA #8	05/02/12	07/31/12	T/L	Additional access route between Towers 2528X and 2527.
DNA #9	05/19/12	06/15/12	CRS	Request for a permanent turning radius along the CRS access road.
DNA #9	06/04/12	06/15/12	CRS	300-foot driveway along the CRS access road.
DNA #11	07/02/12	07/31/12	T/L	A Level 2 Variance request for a disturbance area shift at Tower 1013 due to engineering changes. This tower is located on BLM land.
—	07/24/12	Retracted	T/L	APM A-6 - Eliminate tarping on bottom dump trucks.
BLM #9	04/04/12	09/21/12	T/L	Request for a HLZ and temporary disturbance area shifts near CRS.
DNA #10	06/18/12	09/25/12	Substation	Request to build a telecom site near Desert Center for Red Bluff Substation.
	07/30/12	Under Review	Substation	DNA for Colorado River Substation Telecommunication Distribution Line.
USFS				
USFS-1	03/15/12	03/20/12	T/L	SBNF engineering modifications (revised disturbance areas).

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 11/01/12)

TEWS Request	Date Requested	Date Approved	Segment	Description
CPUC				
#1	07/20/11	07/27/11	Blythe Yard	Use of offsite hydrant and installation of water tank at location adjacent to Blythe Construction Yard
#2	07/28/11	08/04/11	Menifee Yard	Use of offsite hydrant, located along the frontage of the Menifee Construction Yard, and a flexible hose to supply water to a 4,000 gallon water truck.
#3	08/16/11	08/16/11	Menifee Yard	Revised use of offsite hydrant, located along the frontage of the Menifee Construction Yard, approximately 200 yards north of previously approved location.
—	09/06/11	Retracted	Devers Yard	Revised use of offsite hydrant, including installation of above ground pipeline and water towers.
#4	09/29/11	09/29/11	T/L	Use of parking areas along primary access road within 400-ft total distance exclusionary fencing locations with exception of sites within the Coachella Valley Preserve.

TEWS Request	Date Requested	Date Approved	Segment	Description
#5	07/13/12	07/17/12	T/L	Request to use two existing access roads near Tower 1118 and 1119.
#6	07/31/12	08/03/12	T/L	Request to use an existing access road to Tower 1122
#7	08/01/12	08/03/12	T/L	Request to use an existing access road to H9
BLM Level 1				
Level 1 #1	06/06/12	06/11/12	Red Bluff Loop In	RB1-4E disturbance area shift.
Level 1 #2	07/12/12	08/06/12	T/L	Request for two stand tank locations. Received revised request from SCE on 08/06/12.
Level 1 #3	09/.13/12	Partial Approval on 09/17/12, Complete Approval on 09/24/12	T/L	Remove visual screening at Helicopter Landing Zones H1E H4 and H5. *Approved the removal of screening at H4 on 09/17/12. Approval of the removal of screening at H1E and H5 on 09/24/12.
Level 1 #4	09/14/12	09/17/12	T/L	Request to shift the tower disturbance area at Tower 2644.
Level 1 #5	09/14/12	09/19/12	T/L	Request to use an existing road (Ford Dry Lake Road) as access.
Level 1 #6	09/25/12	09/26/12	T/L	Request the use of an additional access route to Tower 1130.
Level 1 #7	10/09/12	10/11/12	T/L	Request to use an access road (Chuckwalla Valley road) near Tower 2574.
BLM Level 2A				
Level 2A #1	09/20/12	09/24/12	T/L	Request for pull site revisions from Devers to Red Bluff.
Level 2A #2	10/04/12	10/05/12	T/L	Request for an access road to RB14 pull site near Red Bluff.
Level 2A #3	10/04/12	10/25/12	T/L	Request for additional disturbance area for pull sites and an access road near Red Bluff RB2-5E. Revised on 10/11/12 and 10/22/12.
Level 2A #4	10/05/12	10/10/12	T/L	Request to relocate two guard structures near Red Bluff.
Level 2A #5	10/10/12	10/10/12	T/L	Request for additional disturbance area at Tower RB1-2W in order to build the tower prior to the scheduled outage.
Level 2A #6	10/19/12	10/25/12	T/L	Request for temporary disturbance area shifts at wire sites, splice sites, pull sites, guard structures and access roads from CRS to RB.

TEWS Request	Date Requested	Date Approved	Segment	Description
Level 2A #7	10/19/12	10/25/12	T/L	Request for temporary disturbance area shifts at splice site 53 (near Tower 2535) and access road to Wire Site 69/Pull Site 70/54 (near tower 2540).
Level 2A #8	10/30/12	Under Review	T/L	Request additional disturbance area at Guard Sites GS05 and GS05A.

NON-COMPLIANCES & INCIDENTS

Table 4 provides a summary of reported non-compliance incidents.

TABLE 4
CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA
(Updated 11/01/12)

Type	Date Issued	Location	Description
CPUC Project Memoranda (PM)			
PM #1	10/28/11	CRS Dist. Line	Construction vehicles leaving marked disturbance limits at two locations along CRS distribution line.
PM #2	01/18/12	Tower 2649/ CR1-2W	DPV2 Construction contractor vehicle driving outside of the approved tower and access road disturbance area limits.
PM #3	03/08/12	Tower 1059 & 1060	Failure to comply with MM B-5 which requires that 300-foot buffers are established around active bird nests. Working within unapproved active nest buffers.
PM #4	04/04/12	Tower 2515, 2520, & 2526	Impacts to desert pavement at Towers 2520 and 2526 by not implementing one of the approved methods stated in the revised Desert Pavement Plan. Impacts to desert tortoise habitat when a road was built near Tower 2515 that was not approved.
PM #5	04/18/12	Along the main access road near Red Bluff	Excessive fugitive dust observed on multiple locations along the main access road near Red Bluff Substation. Violation of MM AQ-1a.
PM #6	05/08/12	Along the T/L access roads	Construction vehicles observed driving off the approved access road limits at various locations along the T/L.
PM #7	06/01/12	Near Tower 2317	Two stand tanks were installed in an area that was not approved for the Project along the access road near Tower 2317.
PM #8	06/01/12	Along the access road near Tower 2310	Road base was installed along a portion of the access road to protect the utility crossing south of Tower 2310. This work was completed prior to the pre-construction verification and release of this road from the CPUC.
PM #9	06/19/12	Tower 2126	Inadequate covering of foundation excavations at Tower 2126. Violation of BO-13.
PM #10	09/21/12	Tower 1037	Work occurred at Tower 1037 without the Fire Patrol Representative on site, a requirement on the Fire Plan.

Type	Date Issued	Location	Description
CPUC Non-Compliance Reports (NCR)			
NCR #1	01/13/12	Project-wide	Unapproved removal of stick nests from DPV1 Transmission Line towers.
NCR #2	05/18/12	Tower 2333	Failure to protect wildlife during construction which resulted in the death of a kit fox.
NCR #3	06/04/12	Near Tower 2310	Road base was installed at two locations along the access road to protect the utility crossings near Tower 2310. This work was completed prior to the pre-construction verification and release of this road from the CPUC.
NCR #4	07/02/12	Near 2303X	Road base installed along a portion on a road not approved for the Project.
NCR #5	07/02/12	Near 2204 and 2205	Project equipment drove outside the approved road width along the access road near Towers 2204 and 2205. These towers are located within the Coachella Valley Preserve.
NCR #6	07/06/12	Near Tower 1083	Project equipment drove outside the existing road width along the access road near Tower 1083.
NCR #7	07/12/12	Tower 2437	Inadequate covering of a foundation excavation at Tower 2437. Violation of BO-13.
NCR #8	07/23/12	Near Tower 2604	Project equipment drove outside the approved road limits along Chuckwalla road west of Tower 2604.
NCR #9	08/28/12	Tower 2644	Construction work conducted outside the approved project limits.
NCR #10	09/10/12	Towers 1153 and 1155	Construction work conducted at Towers 1153 and 1155 prior to the CPUC site verification and release to SCE.
NCR #11	10/18/12	Tower 1036	Excavations at Tower 1036 were left uncovered and no proper means for wildlife to escape entrapment had been installed. Violation of BO-13.

CONSTRUCTION PROGRESS

Table 5 provides a summary of transmission line construction progress.

TABLE 5
CONSTRUCTION PROGRESS STATUS
(As of 10/27/12)

Agency	Total	Released for Construction	Foundations Completed	Towers Erected	Wire Installed
Non Federal (CPUC)	350	310	275	119	4
Bureau of Land Management (BLM)	204	204	188	105	0
US Forest Service (SBNF)	12	12	0	0	0
Total	566	526	463	224	4

PROJECT PHOTOGRAPHS



Figure 1. Trenching for Coachella Valley fringe-toed lizard exclusionary fence installation at Wire Site 27, Pull Site 28, and Splice Site 17.



Figure 2. Micropile drilling at Tower 2422.



Figure 3. Foundation drilling at Tower 2306.



Figure 4. Installation of insulators at Tower 2543.



Figure 5. Vegetation clearing at Tower 1084.



Figure 6. Clean-up of spill from diesel theft at Tower 1148. Photo courtesy of FRED.



Figure 7. Micropile crew and SCE Biological Monitors viewing helicopter safety training video.



Figure 8. Transformer pad construction at CRS.



Figure 9. Curing Natural Pavement at the Devers Substation.



Figure 10. Erection of circuit breakers and disconnect switches at the Valley Substation.