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## PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

**To:** Billie Blanchard, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** November 28, 2012  
**Subject:** Weekly Report 68, October 29 to November 4, 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
  - Installation of BMPs occurred at Fiber Optic Reel Sites 2, 3, and 4.
  - Maintenance of BMPs occurred at Towers 2560, 2563, 2610, 2631, 2639, and 2648.
  - Site clearing activities were conducted at Fiber Optic Reel Sites 2, 3, and 4.
  - Tower assembly and/or steel deliveries occurred at Towers 2544, 2552, 2561, 2568, 2569, 2570, 2577, 2600, 2602, 2604, 2605, 2606, 2607, 2610, 2611, 2612, 2615, 2634, 2648, CR1-1W, and CR1-5E.
  - Wire stringing activities were conducted at all of the CRS loop-in towers; Towers 2616, 2618, 2622, 2623, 2624, and 2625; and between existing DPV1 Towers M126-T1 and M129-T2.
  - Wreck-out activities were conducted at existing DPV1 Tower M129-T1 (see Figure 1).
2. Red Bluff Substation to Devers Substation
  - Installation of BMPs occurred at Wire Sites 65, 66, and RB-06 (expansion area), and at Guard Structure RB-GS01.
  - Maintenance of BMPs occurred at Towers 2003, 2004, 2005, 2006, 2007, 2019, 2113, and 2109.
  - Maintenance of Coachella Valley Fringe-toed exclusionary fencing occurred at Towers 2013, 2201, 2202, and 2206.



- Site clearing activities, including desert pavement salvage (where applicable), occurred at Wire Sites 65, 66, and RB-06 (expansion area), and at Guard Structure RB-GS01.
- Grading activities occurred at Towers 2260, 2300, 2302, and 2413, at Wire Sites 65 and 66, and at Guard Structure RB-GS01.
- Micropile activities occurred at Towers 2307, 2309, 2412, 2422, 2424, and 2425 (see Figure 2).
- Tower foundation drilling activities occurred at Tower 2312 and RB1-1W (see Figure 3).
- Tower foundation concrete pouring activities occurred at Towers 2265 and 2312.
- Tower assembly and/or steel deliveries occurred at Towers 2000A, 2000B, 2003, 2006, 2008, 2011, 2012, 2013, 2219, 2226, 2246, 2265, 2269, 2416, 2439, 2443ALT, 2504, 2506, 2507, 2508, 2509, 2510, 2511, 2515, 2516, 2525, 2526, 2528, and 2539.
- Wire stringing activities were conducted at all of the Red Bluff loop-in towers and associated wire stringing locations.

### 3. Devers Substation to Valley Substation

#### Non-USFS Land

- Installation of BMPs occurred at Towers 1082, 1087, 1100, 1103, 1108, and 1109, Helicopter Landing Zone (HLZ) HLZ-H2 and HLZ-H7, and Wire Stringing DV Pull Sites R1 and DV-GS42A through GS42E, Reel Site 26/Pull Site M16-T1, and DV Wire Site 26 Extension.
- Maintenance of BMPs occurred at Towers 1002, 1005, 1016, 1018, 1019, 1023, 1065, 1070, 1074, 1075, 1078, 1079, 1082, 1088, 1089, 1090, 1107, 1110, 1114, 1135, and 1136.
- Vegetation clearing occurred at Towers 1100, 1103, 1108, 1109, and Wire String DV Pull Site R1, Reel Site 26/Pull Site M16-T1, and DV Wire Site 26 Extension
- Grading activities occurred at Towers 1064, 1100, 1106, 1127, 1135, 1136, 1141, 1143, and 1144, and Wire String DV Pull Site R1, Reel Site 26/Pull Site M16-T1, and DV Wire Site 26 Extension.
- Snub site trenching occurred at snub site M16-T1.
- Micropile activities occurred at Towers 1032, 1033, 1034, 1035, 1036, 1066, 1068, 1070, 1072, 1107, 1108, and 1109.
- Tower foundation drilling activities occurred at Towers 1082, 1084, 1106, 1107, 1142, 1143, 1144, 1146, and 1148.
- Tower foundation concrete pouring activities occurred at Towers 1084, 1125, 1128, 1142, 1146, and 1148.
- Tower assembly and/or steel deliveries occurred at Tower 1003, 1005, 1008, 1016, 1017, 1018, 1061/R1, 1062, 1064, and 1079.
- Wire stringing activities occurred between Towers 1061 and 1064, Towers R1 and R4, and associated wire stringing locations during the scheduled DPV1 Outage to reroute this section of the transmission line (see Figure 4).
- Wreck-out of existing DPV1 Towers M15-T1 and M15-T3 was conducted.

#### USFS Land

- Micropile site preparation occurred at Towers 1039, 1040, 1042, 1043, and 1044.
- Micropile foundation drilling occurred at Towers 1037 and 1040.

## 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.
- 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 six sites that required maintenance to BMPs and were subsequently added to the list. Additionally, the SCE General Monitors determined that there was one site where maintenance activities were not conducted prior to the required deadline.
- During the subject period there was one incident of crews arriving onsite prior to the site being swept for biological resources.
- There were two incidents associated with improper disposal of trash (including food scraps) reported during the subject period.
- There were two reported incidents associated with vehicles exceeding the posted project speed limits during the subject period.
- On October 30, the CPUC EM observed construction equipment operating just outside the disturbance limits at Guard Structure RB-GS06A (see Figure 5). The SCE Biological Monitor was notified immediately and the construction crew was reminded that work must be performed within the approved area. Although the incident occurred in desert tortoise critical habitat, the overall disturbance was minimal and no resources were impacted.
- On October 30, an unidentified plant fossil imprint was discovered by a Paleontological Monitor. A photograph was taken, but the fossil imprint was left onsite.
- On October 30, SCE provided the CPUC with the final report for four wooden planks that were dropped from a helicopter transporting a netted basket to HLZ H1X on October 25. No injuries were reported and no vegetation was impacted, as the planks landed on boulders (see Figure 6). The corrective actions for this incident included revising the rigging plan to include “items of this type with large planar surfaces will be fastened securely together to fit completely in the basket and additionally will be fastened securely to the basket” and continuing to ensure qualified riggers are utilized.
- On October 30, the CPUC EM observed compliance with the USFS Fire Plan and PAL level D Requirements during construction activities at USFS Towers 1042 and 1043.
- On November 1, the CPUC EM discovered that a temporary “flower pot” had been installed in an unapproved location just east of Guard Structure RB-GS05 (see Figure 7). Although a Variance Request from SCE was pending for this location, the request had yet to be approved by the BLM. The location is within critical habitat for desert tortoise. Consequently, Non-Compliance Report #12 was issued on November 2. In response, SCE has indicated that new staking protocols will be implemented to avoid discrepancies between locations approved under the NTPs and those pending modifications through a Variance Request.
- On November 2, the CPUC EM observed proper implementation of the Temporary Lighting Plan during night work associated with drilling activities at RB1-1W (see Figure 8).

NCR #12 was 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):**

On October 31 and November 1, a field visit of various construction sites along the right-of-way was conducted by the CPUC Environmental Project Manager, the CPUC Lead Environmental Monitor, and representatives from Aspen Environmental Group.

## **SUBSTATION CONSTRUCTION AND UPGRADES**

### **Summary of Activity**

1. Colorado River Substation (CRS) (BLM Lands) – Activities that occurred at CRS during the subject period included foundation excavation, construction of the MEER building walls, installation of conductor cable and other conduit, trenching for grounding and backfilling of trenches, and maintenance of drainage structures. 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) – Activities that were conducted during the subject period included contractor training and electrical power drop work.
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 mobilization of the Phase 2 work, preparation for the extension of the 500 kV switchrack positions to the east into the expansion area, conduit work, lighting installation, 220 kV switchrack upgrades, and SWPPP BMP repair work.
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.

### **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.
- There was one incident associated with vehicles exceeding the posted project speed limits along the CRS access road reported during the subject period.
- 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. SCE has included information to the WEAP training program for CRS that highlights avoidance of impacts to MFTL. Temporary speed bumps and additional speed limit signs have also been added to the access road.

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):**

On October 31 and November 1, a field visit of the substations was conducted by the CPUC Environmental Project Manager, the CPUC Lead Environmental Monitor, and representatives from Aspen Environmental Group.

**CONSTRUCTION YARDS AND OTHER WORKSPACES**

**Summary of Activity:**

Non-Federal Lands:

Blythe Yard (Material Yard/Contractor Show-Up Yard) – Yard 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) – Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Desert Center 2 Yard (Material Yard/Contractor Show-Up Yard) – 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) – Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Indio Yard (Material Yard) – Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Indio 2 Yard (Material Yard) – Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Devers Yard (Material Yard) – Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Devers 2 Yard (Contractor Show-Up Yard) – Activities are limited to minor maintenance, implementation of BMPs, temporary storage of construction equipment and materials, and worker vehicle parking.

Beaumont Yard (Material Yard) - Activities are limited to minor maintenance, implementation of BMPs, and material deliveries.

Beaumont 2 Yard (Contractor Show-Up Yard) – 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) – 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) – Activities are limited to minor maintenance, implementation of BMPs, temporary storage of construction equipment and materials, and worker vehicle parking.

**Environmental Compliance:**

- SCE Biological Monitors conducted biological sweeps at all construction yards throughout the subject period.
- There were two incidents associated with improper disposal of trash (including food scraps) at the Blythe Material Yard and Desert Center 2 Material Yard reported during 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 11/28/12)

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
<b>CPUC NTPs</b>				
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 #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

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
—	06/19/12	Retracted	T/L- Devers to Valley	H10- Helicopter Landing Zone
NTP #15	07/16/12	11/15/12	Substation	Colorado River Substation to Blythe South East Telecommunication Route
	11/07/12	Under Review	Substation	Mirage loop in.
<b>BLM NTPs</b>				
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 11/28/12)

Variance Request	Date Requested	Date Issued	Segment	Description
<b>Private Lands (CPUC Jurisdiction)</b>				
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.
VR #49	11/02/12	11/07/12	T/L	Request additional disturbance area at Tower 2000X.
VR #50	10/19/12	11/11/12	T/L	Request for the expansion of splice site 57 (near Tower 2557) and expansion and shift of splice site 64 (near Tower 2614).
VR # 51	10/24/12	11/15/12	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.
VR #52	11/13/12 (revised)	11/15/12	T/L	Request to revise the disturbance area for Fiber Optic Site 59.
VR #53	10/30/12	11/20/12	Substation	Request access road improvements along the CRS access road.
<b>BLM</b>				
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.
DNA #12	07/30/12	09/26/12	Substation	DNA for Colorado River Substation Telecommunication Distribution Line.
BLM #10	10/24/12	11/20/12	T/L	Request to construct Tower 2413 using both conventional and helicopter construction methods.
<b>USFS</b>				
USFS-1	03/15/12	03/20/12	T/L	SBNF engineering modifications (revised disturbance areas).

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 11/28/12)

TEWS Request	Date Requested	Date Approved	Segment	Description
<b>CPUC</b>				
#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.
#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
#8	11/07/12	11/08/12	T/L	Request to use an existing access road near Tower 1141.
<b>BLM</b> <b>Level 1</b>				
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.

TEWS Request	Date Requested	Date Approved	Segment	Description
Level 1 #7	10/09/12	10/11/12	T/L	Request to use an access road (Chuckwalla Valley road) near Tower 2574.
<b>BLM Level 2A</b>				
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.
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	Awaiting revised request from SCE	T/L	Request additional disturbance area at Guard Sites GS05 and GS05A.
Level 2A #9	11/14/12	11/16/12	T/L	Request to shift Fiber Optic Site 63.
Level 2A #10	11/09/12	11/16/12	T/L	Request for the shift of Wire Site No 73/ Pull Site No 74/ Splice Site No 58, Wire Site No 81/ Pull Site No 82/ Splice Site No 65, and Wire Site No 83/ Pull Site No 84/ Splice Site.
Level 2A #11	11/14/12	11/16/12	T/L	Request for the shift Splice Site 55, Access Rd to Splice Site No. 55, Guard Structures 126 and 127, and Pull Sites 71 and 72.
Level 2A #12	11/19/12	Under Review	T/L	Request to widen Guard Structures CRD-GS132, CRD-GS133, CRD-GS137, CRD-GS138, and CRD-GS138A (Pull Site 78, Wire Site 77).

## NON-COMPLIANCES & INCIDENTS

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

**TABLE 4**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
 (Updated 11/28/12)

Type	Date Issued	Location	Description
<b>CPUC Project Memoranda (PM)</b>			
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.
<b>CPUC Non-Compliance Reports (NCR)</b>			
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.

Type	Date Issued	Location	Description
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.
NCR #12	11/02/12	Tower RB2-4E	Work occurred at an unapproved location near RB2-4E.

## CONSTRUCTION PROGRESS

Table 5 provides a summary of transmission line construction progress.

**TABLE 5**  
**CONSTRUCTION PROGRESS STATUS**  
(As of 11/18/12)

Agency	Total	Released for Construction	Foundations Completed	Towers Erected	Wire Installed
Non Federal (CPUC)	350	314	282	132	7
Bureau of Land Management (BLM)	204	204	192	134	0
US Forest Service (SBNF)	12	12	0	0	0
<b>Total</b>	<b>566</b>	<b>530</b>	<b>474</b>	<b>266</b>	<b>7</b>

## PROJECT PHOTOGRAPHS



Figure 1. Wreck-out of existing DPV1 Tower M129-T1.



Figure 2. Foundation pouring preparation activities at Tower 2309.



Figure 3. Foundation pouring activities at Tower 2312.



Figure 4. Construction activities associated with the DPV1 outage and reroute between Towers 1061 and 1064 and R1 and R4.



Figure 5. Rubber tire tracks as a result of work outside of approved limits at RB-GS06A. Note staking of limits in background.



Figure 6. Wooden planks that were dropped during helicopter transport to Helicopter Landing Zone H1X.



Figure 7. Flower pot installed outside of approved disturbance limits at RB-GS05. NCR #12 was consequently issued on November 2.



Figure 8. Proper implementation of Temporary Lighting Plan observed during drilling activities at Tower RB1-1W.