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## PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

**To:** Billie Blanchard, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** December 20, 2012  
**Subject:** Weekly Report 72, November 26 to December 2, 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 Splice Sites 59, 61, 62, 66, and 68, Fiber Optic Reel Sites 73 and 77, Wire Site 77, Wire Site 75/Pull Site 76/Splice Site 60, Wire Site 79/Pull Site 80/Splice Site 63, and Wire Site 87/Pull Site 88/Splice Site 71.
  - Site clearing activities were conducted at Splice Sites 59, 61, 62, 66, and 68, Fiber Optic Reel Sites 73 and 77, Wire Site 73/Pull Site 74/Splice Site 58, Wire Site 75/Pull Site 76/Splice Site 60, Wire Site 79/Pull Site 80/Splice Site 63, and Wire Site 87/Pull Site 88/Splice Site 71.
  - Desert pavement salvage was conducted at Wire Site 75/Pull Site 76/Splice Site 60.
  - Topsoil salvage was conducted at Splice Site 62, Fiber Optic Reel Site 73, Wire Site 75/Pull Site 76/Splice Site 60, Wire Site 79/Pull Site 80/Splice Site 63, and Wire Site 87/Pull Site 88/Splice Site 71.
  - Grading activities occurred at Splice Sites 59, 61, 62, 66, and 68, Fiber Optic Reel Sites 73 and 77, Wire Site 73/Pull Site 74/Splice Site 58, Wire Site 75/Pull Site 76/Splice Site 60, and Wire Site 79/Pull Site 80/Splice Site 63.
  - Tower assembly and/or steel deliveries occurred at Towers 2561, 2569, 2609, 2619, 2628, 2635, and 2638.
  - Wire stringing activities were conducted between Towers 2534 and 2561, between Towers 2563 and 2570, and at associated wire stringing locations (see Figure 1).
  - DPV1 wreck-out activities were conducted at existing Towers M128-T2 and M128-T3.



## 2. Red Bluff Substation to Devers Substation

- Installation of BMPs occurred at Towers 2204 and 2423, and wire stringing sites Pull Sites 4 and 5, Splice site 5 and 6, Wire Sites 6, and 10, Pull Site 19, Fiber Optic Site 21, Wire Site 29/Pull Site 30/Splice Site 19, Fiber Optic Site 29, Wire Site 31/Pull Site 32/Splice Site 21, Wire Site 33/Pull Site 34/Splice Site 24, Wire Site 35/Pull Site 36/Splice Site 25, Wire Site 37/Pull Site 38/Splice Site 27, Wire Site 39, Wire Site 41, Fiber Optic Site 41, Fiber Optic Site 43, and Wire Site 45/Pull Site 46/Splice Site 33.
- Removal of BMPs occurred at Towers 2001, 2005, 2006, 2008, and 2121.
- Maintenance of Coachella Valley fringe-toed exclusionary fencing occurred at Towers 2017, 2102, 2130, 2204, and 2205.
- Site clearing activities were conducted at Towers 2421 and 2423, and wire stringing sites Splice Site 10, Wire Sites 12 and 14, Wire Site 39, Wire Site 41, Pull Site 43, Fiber Optic Site 41, Fiber Optic Site 43, and Wire Site 45/Pull Site 46/Splice Site 33.
- Desert pavement salvage was conducted at Wire Site 39.
- Topsoil salvage was conducted at Wire Site 39, Fiber Optic Site 43, and Wire Site 45/Pull Site 46/Splice Site 33.
- Grading activities occurred at Tower 2325 and at wire stringing sites Wire Site 35/Pull Site 36/Splice Site 25, Wire Site 39, Fiber Optic Site 43, and Wire Site 45/Pull Site 46/Splice Site 33 (see Figure 2).
- Tower assembly and/or steel deliveries occurred at Towers 2005, 2008, 2010, 2011, 2012, 2015, 2105, 2109, 2110, 2120, 2244, 2260, 2418, 2431, 2440, 2443, 2443ALT, 2501, 2503, 2506, and 2516, and within Landing Zone H1E (see Figure 3).
- Wire stringing activities were conducted between Towers 2519 and 2532, at Towers RB1-2E, RB1-3E, RB2-3E, and RB2-1W, and at associated wire stringing sites (see Figure 4).
- Wreck-out activities were conducted at DPV1 Tower M158-T3.

## 3. Devers Substation to Valley Substation

### Non-USFS Land

- Installation of BMPs occurred at Towers 1109 and 1142.
- Maintenance of BMPs occurred at Towers 1070, 1077, 1082, 1091 thru 1107, 1110, 1111, 1114, 1129, 1133, 1140, and 1141.
- Removal of BMPs occurred at Towers 1088 and 1089.
- Grading activities occurred at Towers 1077, 1081, 1082, 1127, 1129, 1141, 1142, and 1144.
- Micropile site preparations occurred at Towers 1050, 1066, 1103, and 1108.
- Micropile foundation activities occurred at Towers 1034, 1035, 1036, 1037, 1040, 1042, 1070, and 1107.
- Tower foundation drilling activities occurred at Towers 1120, 1142, and 1147 (see Figure 5).
- Tower foundation concrete pouring activities occurred at Towers 1084, 1114, 1120, 1141, 1143, and 1144.
- Tower assembly and/or steel deliveries occurred at Towers 1019, 1062, 1085, 1086, 1088, 1089, 1090, 1094, 1095, 1135, 1136, 1137, 1138, and within Landing Zones H1A and H2.
- DPV1 Tower wreck-out activities occurred at Towers M15-T1, M15-T2, and M15-T3.

## USFS Land

- BMPs were installed at Tower 1044.
- Micropile site preparation occurred at Tower 1045.
- Micropile foundation activities occurred at Towers 1037, 1038, 1039, 1040, 1041, and 1042.

## 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 (CVFTL) 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 four sites that required maintenance to BMPs and were subsequently added to the list. Additionally, the SCE General Monitors determined that there were five sites where maintenance activities were not conducted prior to the required deadline.
- There were three incidents of crews arriving onsite prior to the site being swept for biological resources reported during the subject period.
  - On November 26, the SCE Biological Monitor reported that a United Power Contractor crew arrived onsite at Tower 2440 prior to the required biological sweep. The incident occurred in desert tortoise critical habitat; however, no biological resources were impacted and this incident is considered resolved.
  - On November 30, an SCE Biological Monitor arrived to Tower 2260 to monitor a PAR steel and erection crew that had not been assigned a Biological Monitor. The crew began work prior to a biological clearance sweep for biological resources. The Biological Monitor discussed this incident with the foreman and swept the site. This incident occurred in desert tortoise modeled habitat; however no biological resources were impacted by the steel and erection crew activities. This incident is considered resolved.
  - On December 1, the contractor mobilized equipment to the DPV1 Tower M128-T3 disturbance area for wreck-out activities. The required biological sweep had not been conducted prior to the mobilization of equipment. To date, SCE has not provided the CPUC with information detailing how this specific incident was resolved.
- There were three reported incident of crews going outside of approved project boundaries.
  - On November 27, the SCE Biological Monitor reported that wreck-out activities and removal of existing conductor associated with DPV1 Towers M127-T3 through M129-T1 resulted in ground disturbance outside the approved project limits. The disturbance occurred when conductor made contact with the ground as it was being removed (see Figure 6). The impacts were primarily limited to sandy soils with little vegetation, although the branches of several creosote bushes were broken. SCE has confirmed that the area was surveyed after the incident to assess any additional impacts and no additional impacts to biological resources were observed.
  - During a routine field review between the CPUC EM, the SCE Biological Monitor, and the contractor foreman on November 28, the limits of disturbance for the wreck-out of DPV1 Tower M128-T3 were reviewed. Later that afternoon, the SCE Biological Monitor observed a crane

staged outside of the approved disturbance limits at that location. When questioned about the incident by the SCE Biological Monitor, the contractor foreman stated that he had confirmed with PAR management that a space of 100 feet on each side of the existing DPV1 Tower was available for disturbance. However, this was not consistent with the disturbance limits as they were staked in the field. Upon a final inspection of the site, the SCE Biological Monitor determined that there were no impacts to any sensitive biological resources. At the time of this report, SCE has not provided information that details how this specific incident was resolved.

- On December 1, an SCE Biological Monitor observed a vehicle drive off road from Date Palm Drive and onto the access road to Tower 2110 through occupied CVFTL and Coachella Valley Milk Vetch (CVMV) habitat. The Biologist was stopped by the driver and asked if this was an access road and if Tower 2109 could be approached another way. The Biologist informed the driver (a contractor security guard) that he was driving off of approved DPV2 disturbance areas and escorted him off the ROW. The Biologist also noted that the security guard had a dog with him in the vehicle. On a subsequent day SCE dispatched a Biologist with a GPS to map the area that was disturbed by the vehicle.
- There were four incidents associated with inadequate control of fugitive dust reported during the subject period. The CPUC EM also noted one observation associated with excessive dust during the subject period.
  - On November 26, the CPUC EM observed excessive fugitive dust at Tower 1070 during construction activities (see Figure 7). In speaking with the SCE Biological Monitor the EM discovered the site had not been watered. The CPUC LEM informed the SCE Environmental Coordinator (EC) of the dust observed and informed the EC that if no measures are utilized to control dust at this site a project memorandum will be issued.
  - On November 27, the SCE General Monitor observed that the access road to Tower 1114 was dry during foundation pouring activities at the site and dust was observed coming off the road. A water truck was dispatched to provide dust suppression on the road and no further incidents were observed.
  - On November 30, the CPUC EM observed excessive fugitive dust at Wire Site RB-03 during picking operations associated with wire stringing activities (see Figure 8). The CPUC EM notified the SCE General Monitor and the site was watered soon after the initial observation.
  - On December 1, an assembly crew was observed by the SCE General Monitor speeding along the right-of-way (ROW) access road between Tower 2628 and Wiley's Well Road. The access road had not been watered, resulting in an excessive amount of fugitive dust. At the time of this report, SCE has not provided the CPUC with information detailing how this specific incident was resolved.
- There were two incidents associated with vehicles traveling in excess of project speed limits reported during the subject period.
- On November 30, the SCE Field Contact Representative (FCR) observed a helicopter deposit equipment with a long-line to a flatbed truck that was staged on the Red Bluff access road. Per project requirements, helicopter picks are to be limited to only approved disturbance areas. The SCE FCR notified the SCE EC and the contractor was instructed to halt the operations from the access road immediately.

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 period included foundation excavation, construction of the MEER building, switchracks, and transformer pads, installation of conductor cable and other conduit, trenching for grounding and backfilling of trenches, and steel erection.
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) – Activities that occurred during the subject period included mobilization of equipment and materials and civil grading.
4. Red Bluff Substation (BLM Lands) – Activities that were conducted at the Red Bluff site included foundation excavation, construction of the MEER building, transformer pads, and switchracks, installation of conductor cable and other conduit, trenching of slopes for grounding, and steel erection.
5. Chuckwalla Telecomm Site (BLM Lands) – Activities that occurred during the subject period included mobilization of equipment and materials and tower construction.
6. Series Capacitor (BLM Lands) – Activities that were conducted during the subject period included construction associated with the capacitor, foundation excavation, and equipment deliveries.
7. Devers Substation (Private Lands) – Activities that were conducted for the Devers Substation expansion and upgrades included foundation excavation and concrete for the extension of the 500 kV switchrack, pole installation, conduit work, lighting installation, 220 kV switchrack upgrades, and SWPPP BMP repair work (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.

**Environmental Compliance**

- SCE General, Biological, and Archeological Monitors were onsite, as appropriate, throughout all construction activities associated with the above listed sites.
- There were two incidents associated with improper disposal of trash (including food scraps) reported at CRS during the subject period.
- On November 26, the SCE Biological Monitor observed two vehicles parked within the Tower 2443 disturbance limits, immediately adjacent to the Series Capacitor site. The vehicles had arrived onsite prior to the SCE Biological Monitor conducting a required sweep of the area. The SCE Biological Monitor informed the crew members that they must wait for the site to be swept before entering. The owner of the company (Ashland Integrated) notified his office to instruct future construction personnel of these requirements.
- On November 27, the SCE Biological Monitor noted an inadequately covered manhole during the morning sweep at CRS. The SCE Biological Monitor notified construction personnel and the opening was properly covered throughout the remainder of the subject period. Prior to the manhole being covered, the hole was checked for wildlife and none were discovered.

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) – 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.

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 12/20/12)

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
—	06/19/12	Retracted	T/L- Devers to Valley	H10- Helicopter Landing Zone

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
NTP #15	07/16/12	11/15/12	Substation	Colorado River Substation to Blythe South East Telecommunication Route
NTP #16	11/07/12	12/03/12	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 12/20/12)

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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
—	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.
VR #54	11/27/12	12/07/12	T/L	Request to revise pull site on Devers to Valley (pull Package 1).
VR #55	11/28/12	12/10/12	T/L	Request to revise pull sites from Devers to Red Buff (Pull Site Revision III-B).
	12/17/12	Under Review	T/L	Request for an additional HLZ site near Tower 1051.
<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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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 12/20/12)

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 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.

TEWS Request	Date Requested	Date Approved	Segment	Description
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.
<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.

TEWS Request	Date Requested	Date Approved	Segment	Description
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	11/28/12	T/L	Request to widen Guard Structures CRD-GS132, CRD-GS133, CRD-GS137, CRD-GS138, and CRD-GS138A (Pull Site 78, Wire Site 77).
Level 2A #13	11/28/12	12/05/12	T/L	Request to revise pull sites from Devers to Red Bluff (Pull Site Revision III-A).
Level 2A #14	12/05/12	12/11/12	T/L	Request to expand Splice Site 40

## NON-COMPLIANCES & INCIDENTS

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

**TABLE 4**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
(Updated 12/20/12)

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.

Type	Date Issued	Location	Description
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.
PM #11	12/05/12	Tower 1070	Excessive Fugitive Dust during Helicopter Picks at Tower 1070. Violation of MM AQ-1a and the Fugitive Dust Emission Control 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.
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 12/16/12)

Agency	Total	Released for Construction	Foundations Completed	Towers Erected	Wire Installed
Non Federal (CPUC)	350	344	289	151	19
Bureau of Land Management (BLM)	204	203	192	149	99
US Forest Service (SBNF)	12	12	4	0	0
<b>Total</b>	<b>566</b>	<b>559</b>	<b>485</b>	<b>300</b>	<b>118</b>

## PROJECT PHOTOGRAPHS



Figure 1. Set up of wire stringing equipment at Wire Site 77.



Figure 2. Grading activities at Wire Site 39.



Figure 3. Tower assembly at Tower 2008.



Figure 4. Wire stringing activities between the Red Bluff loop-ins and Tower 2539.



Figure 5. Foundation drilling at Tower 1147.



Figure 6. Ground disturbance associated with the removal of existing DPV1 conductor.



Figure 7. Excessive fugitive dust observed during construction activities at Tower 1070.



Figure 8. Excessive fugitive dust observed by CPUC EM during stringing activities at Wire Site RB-03.



Figure 9. Foundation excavation for the 500 kV Switchrack within the Devers Substation.