



5020 Chesebro Road, Suite 200, Agoura Hills, CA 91301  
Tel. 818-597-3407, Fax 818-597-8001, [www.aspeneg.com](http://www.aspeneg.com)

## PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

**To:** Billie Blanchard, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** December 5, 2012  
**Subject:** Weekly Report 69, November 5 to November 11, 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 Wire Site 69/Pull Site 70/Splice Site 54 and Splice Site 53.
  - Maintenance of BMPs occurred at Towers 2534, 2542, 2543, 2545, 2561, 2620, 2621, 2638, 2640, and 2641, at Wire Sites 88, 89, 95, and 96, and at Fiber Optic Reel Site 2, 3, and 4.
  - Site clearing activities were conducted at Wire Site 69/Pull Site 70/Splice Site 54 and Splice Site 53.
  - Desert pavement salvage was conducted at Wire Site 69/Pull Site 70/Splice Site 54.
  - Grading activities occurred at Wire Site 69/Pull Site 70/Splice Site 54 and Splice Site 53.
  - Tower foundation repairs were conducted at Towers 2553, 2555, 2557, and 2574.
  - Micropile activities occurred at Tower 2412.
  - Tower assembly and/or steel deliveries occurred at Towers 2544, 2552, 2561, 2602, 2612, 2615, 2617, 2619, 2620, 2621, 2628, 2634, 2636, 2638, 2646, 2647, 2648, CR1-1W, and CR1-5E.
  - Wire stringing activities were conducted at all of the CRS loop-in towers, Towers 2649 through 2653, existing DPV1 Towers M123-T1 through M127-T2, and associated wire stringing locations (see Figure 1).
  - Wreck-out of existing DPV1 Tower M127-T2 was conducted.



## 2. Red Bluff Substation to Devers Substation

- Installation of BMPs occurred at Towers 2019 and 2413.
- Maintenance of BMPs occurred at Towers 2242, 2243, 2267, 2269, 2301, 2302, 2305, 2306, 2310, and 2319 through 2326ALT.
- Maintenance of Coachella Valley Fringe-toed exclusionary fencing occurred at Towers 2019, 2131, 2132, and 2243.
- Grading activities occurred at Tower 2413.
- Micropile activities occurred at Towers 2308, 2310, 2412, and 2422.
- Tower foundation drilling activities occurred at Tower 2221, 2222, 2223, and 2413.
- Tower foundation concrete pouring activities occurred at Towers 2221, 2222, 2223, and 2265.
- Tower assembly and/or steel deliveries occurred at Towers 2000A, 2000B, 2001, 2003, 2008, 2012, 2013, 2015, 2105, 2108, 2219, 2242, 2246, 2341, 2414, 2415, 2416, 2434, 2443, 2443ALT, 2508, 2518, 2519, 2520, 2524, RB1-1W, RB1-5E, and RB2-5E (see Figure 2).
- Wire stringing activities were conducted at 2000X and the Red Bluff loop-in towers and associated wire stringing locations (see Figure 3).

## 3. Devers Substation to Valley Substation

### Non-USFS Land

- Installation of BMPs occurred at Towers 1066, 1067, 1068, 1069, 1070, 1109, 1110, 1133, 1135, 1136, 1143, and 1144.
- Maintenance of BMPs occurred at Towers 1075, 1100, 1114, 1125, 1126, 1127, 1128, 1133, 1135, 1136, 1137, 1138, 1139, and wire stringing site Pull Site No R1.
- Vegetation clearing occurred at Towers 1127 and 1133.
- Grading activities occurred at Towers 1080, 1081, 1082, 1091, 1095, 1096, 1125, 1127, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, and 1144 (see Figure 4).
- Micropile activities occurred at Towers 1033, 1066, 1067, 1068, 1069, 1070, 1092, 1103, 1107, and 1108.
- Tower foundation drilling activities occurred at Towers 1080, 1081, 1084, 1094, 1095, 1097, 1098, 1135, 1137, 1143, 1144, and 1148.
- Tower foundation concrete pouring activities occurred at Towers 1080, 1082, 1084, 1093, and 1144.
- Tower assembly and/or steel deliveries occurred at Towers 1001, 1062, R4, 1076, 1078, 1079, 1085, 1086, 1087, 1134 and within Landing Zones H1X and H2.
- 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.
- Wreck-out of existing DPV1 Towers M15-T1 and M15-T3 was conducted.

### USFS Land

- Micropile site preparation occurred at Towers 1039, 1040, 1043, and 1044.
- Micropile foundation activities occurred at Towers 1037 and 1038 (see Figure 5).

## 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 lizard 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 five 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.
- During the subject time period, one non-reportable (< 1 gallon) spill of diesel fuel occurred. Proper remedial efforts were implemented.
- There were six reported incidents of crews going outside of approved project boundaries.
  - On November 5, the CPUC EM observed project vehicles parked on an unapproved road near Tower 1141 (see Figure 6). The CPUC EM spoke to the onsite Biological Monitor who stated that she was informed it was approved for parking. The CPUC EM notified the SCE Environmental Coordinator (EC). The SCE EC informed the CPUC EM later that crews were instructed not to use that area until a Temporary Extra Work Space (TEWS) for the area was approved. The TEWS for this parking area was approved on November 8.
  - On November 7, the onsite Biological Monitor observed a PAR steel delivery truck drive over a straw wattle and approximately 2-3 feet outside of the disturbance limits at Tower 2454. Although some native perennial vegetation was impacted, no sensitive biological resources were affected. The Biological Monitor notified the SCE Field Contact Representative (FCR) about the incident and recommended that shorter delivery trailers be utilized in the area due to several locations with tight turns and winding road.
  - Due to high winds during the evening of November 8, one of the wooden pole structures at Guard Structure RB-06 collapsed. To prevent damage from other nearby guard structures to the existing distribution line that the structures were protecting, the PAR wire pulling crew used multiple fork lifts to knock the structures to the ground (see Figure 7). Both forklift operations and the fallen guard structure resulted in ground disturbance to critical habitat for desert tortoise outside of the approved disturbance limits. In total, approximately 350 square feet of ground disturbance and damage to two native bushes was calculated by the SCE FCR. No impacts to sensitive biological or archeological resources were reported.
  - On November 8 during wire removal activities at DPV1 Towers R4 and M15-T2, the onsite Biological Monitor observed the static line come within 1-2 feet off the ground and was pulled approximately 10 feet through native vegetation within modeled desert tortoise habitat. The Biological Monitor had swept this area for biological resources and nesting birds prior to wire pulling activities commencing for the day and found no biological resources of concern. Upon final wire pulling activities for the day the Biological Monitor swept the wire pulling site again and did not find any biological resources disturbed. The Foreman was notified of the issue and stated he would do all he could to avoid disturbance activities during wire removal.

- On November 8, a crane went outside of the approved road width outside of Tower 1084 while attempting to pass a parked concrete truck. The Monitor escorting the crane to a different tower site observed the incident and informed the crane operator he was off of the approved right-of-way (ROW) limits. Tire tracks were left behind measuring approximately 54' x 4' paralleling the ROW (see Figure 8). Non-native species including mustard were crushed.
- On November 9, a Biological Monitor observed evidence that during the course of a steel delivery to Tower 1134 on November 8, a PAR delivery truck went over the berm and off of the access road, resulting in disturbance to the area.
- On November 5, the onsite Biological Monitor observed a micropile excavation with a wildlife ramp that was steeper than a 45 degree angle at Tower 1107. Prior to subsequent work, the excavation was checked for wildlife. On November 6 at the same site, the onsite Biological Monitor observed two improperly ramp excavation holes during the morning sweep of the site. One excavation had no ramp and the second was too light weight and too short to create 45 degree angle or less. The CPUC EM visited this site later in the day and was informed the excavation was lowered in height to allow for a 45 degree angle for the wildlife ramp.
- On November 6, the CPUC EM observed compliance with the USFS Fire Plan and PAL D requirements during construction activities at Towers 1037, 1038, and 1040.
- On November 6, the CPUC EM observed staging of equipment and tower assembly occurring at the H2 Landing Zone prior to the installation of privacy screening. The CPUC LEM contacted the SCE EC. The SCE EC stated the screening would be installed by the end of the day. On November 7, the CPUC EM observed the screening was completed.
- On November 8, the SCE General Monitor reported an incident associated with construction crews working after dark without implementing conditions of the Temporary Lighting Plan at Guard Structures RB-05A, RB-GS06, and RB-06A. The work was conducted to execute preventative measures as the result of the collapse of a wooden guard structure that had happened just prior at RB-06.
- On November 11, the onsite Biological Monitor observed a micropile excavation without a wildlife ramp or excavation cover during the final biological sweep at Tower 2308. The Biological Monitor discussed the uncovered hole with the Foreman and was told that the crew had no access to material that would cover the open micropile excavation or a wildlife ramp. The open excavation was left uncovered. To date, SCE has not provided CPUC with a resolution to this incident.

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 basement and transformer pads, installation of conductor cable and other conduit, trenching for grounding and backfilling of trenches, and maintenance of drainage structures (see Figure 9). 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. 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.
5. Chuckwalla Telecomm Site (BLM Lands) – No construction activities were conducted during the subject period.
6. Series Capacitor (BLM Lands) – Activities that were conducted during the subject period included construction associated with the capacitor 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 and the start of pole installation, 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 the above listed sites.
- There were two incidents associated with improper disposal of trash (including food scraps) reported during the subject period.
- During the subject period, two non-reportable (< 1 gallon) spills occurred at Devers Substation and CRS. Proper remedial efforts were implemented (see Figure 10).
- 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):**

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.
- There were three incidents associated with improper disposal of trash (including food scraps) and/or construction debris at the Desert Center 1 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 12/05/12)

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 #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.

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
<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 12/05/12)

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.
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.



Variance Request	Date Requested	Date Issued	Segment	Description
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
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
—	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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
	11/27/12	Under Review	T/L	Request to revise pull site on Devers to Valley (pull Package 1).
	11/28/12	Under Review	T/L	Request to revise pull sites from Devers to Red Buff (Pull Site Revision III-B).
<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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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 12/05/12)

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.
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	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).
	11/28/12	Under Review	T/L	Request to revise pull sites from Devers to Red Bluff (Pull Site Revision III-A).

## NON-COMPLIANCES & INCIDENTS

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

**TABLE 4**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
 (Updated 12/05/12)

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.
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.

Type	Date Issued	Location	Description
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 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. Stringing activities at CR1-5E and associated wire stringing sites.



Figure 2. Assembly and erection at Tower 2415.



Figure 3. Pulling sockline at the Red Bluff loop-in towers.



Figure 4. Grading and rock crushing activities at Tower 1142.



Figure 5. Micropile drilling activities at Tower 1037.



Figure 6. Project related vehicles parked in unapproved road near Tower 1141.



Figure 7. Due to high winds during the evening of November 8, one of the wooden pole structures at Guard Structure RB-06 collapsed. To prevent damage from other nearby guard structures to the existing distribution line that the structures were protecting, the PAR wire pulling crew used multiple fork lifts to knock the structures to the ground.



Figure 8. Off-road impacts created by a crane going outside of the approved road limits near Tower 1084.



Figure 9. Construction of the basement ceiling for the MEER building at CRS.



Figure 10. Non-reportable concrete spill at CRS. Remedial efforts were immediately implemented.