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## PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

**To:** Billie Blanchard, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** June 28, 2012  
**Subject:** Weekly Report 46, May 28 to June 03, 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, and Jamie Miner

### TRANSMISSION LINE CONSTRUCTION

#### Summary of Activity

1. Colorado River Substation (CRS) to Red Bluff Substation
  - There were no major ground-disturbing activities conducted along this section of the right-of-way (ROW) during the subject period.
  - Tower assembly and/or steel deliveries occurred at Towers CR1-1W, CR1-5W, CR1-3E, and CR1-5E.
2. Red Bluff Substation to Devers Substation
  - BMPs were installed at Towers 2109, 2112, 2113, 2114, 2116, 2117, 2125, 2127, 2320, 2322, 2323, 2326ALT, 2326X, 2327, 2329, 2337, 2417, 2418, 2419, 2429, 2432, 2503, 2504, 2505, 2506, 2508, and 2509.
  - Shaker plates and/or road base materials were installed at several locations along Gasline Road and at entrances to the ROW and Hayfield Road, Amite Road, Box Canyon Road, Washington Street, Desert Moon and 30<sup>th</sup>, Rio Del Sol, Thousand Palms Road, and Via Las Palmas (see Figure 1).
  - Vegetation clearing occurred at Towers 2320, 2322, 2323, 2326ALT, 2327, 2418, 2419, 2426, 2429, 2432, and 2506 (see Figure 2).
  - Desert pavement salvage occurred at Tower 2326ALT.
  - Soil salvage for special status plants and/or vegetation communities occurred at Towers 2116, 2117, 2322, and 2323.



- Spur road and crane pad grading occurred at Towers 2012, 2013, 2014, 2103, 2104, 2109, 2114, 2115, 2116, 2117, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2136, 2326ALT, 2417, 2419, and 2432.
- Tower foundation drilling activities occurred at Towers 2020, 2100, 2101, 2102, 2103, 2342, 2344, 2348, 2351, 2353, and 2432.
- Tower foundation concrete pouring activities occurred at Towers 2017, 2018, 2019, 2020, 2100, 2334, 2335, 2341, 2342, 2351, 2352, and 2353.
- Tower assembly and/or steel deliveries occurred at Towers 2002, 2004, 2005, 2007, 2009, 2335, 2342, 2351, RB2-1W, and RB2-5E (see Figure 3).
- Potholing on the access road occurred near Towers 2125, 2203, 2208, and 2209.

### 3. Devers Substation to Valley Substation

#### Non-USFS Land

- Maintenance of BMPs occurred at Towers 1001, 1002, 1004, 1005, 1006, 1007, 1008, 1009, 1012, 1013, 1014, 1015, 1016, 1017, 1018, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, 1030, 1032, 1033, 1034, 1052, 1053, 1055, 1056, 1057, 1059, 1061, 1062, and 1063.
- Tower foundation drilling occurred at Towers 1008, 1009, 1011, 1012, and 1014 (see Figure 4).
- Tower foundation concrete pouring activities occurred at Towers 1007 and 1008 (see Figure 5).
- Tower assembly and steel deliveries occurred at Tower 1004.

#### USFS Land

- Vegetation clearing and BMP installation occurred at Tower 1039 (see Figure 6).
- BMP maintenance occurred at Towers 1035, 1037, 1038, 1042, 1043, 1044, 1046, and 1047.

### **Environmental Compliance**

- The CPUC EMs and SCE General Monitors observed adequate dust control measures during all activities associated with transmission line construction throughout the subject period.
- Coachella Valley milk-vetch approved biologists conducted biological sweeps for Coachella Valley Milk-vetch prior to construction and monitored topsoil salvage at all applicable tower sites.
- 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 EM's observed Archaeological and Tribal monitors were present at all applicable sites.
- On May 29 and 31, CPUC EM observed the contractor complying with USFS Fire Plan at Tower 1047 and 1039. The CPUC EM also observed repairs that were completed to the Resource Conservation Area (RCA) at 1047 where impacts had occurred. The BMPs were removed and re-staked outside of the RCA limits (see Figure 7). The chipped vegetation was also removed and spread within the disturbance limits of the tower site. The contractor's environmental team added additional ROW staking in the areas where the temporary helicopter landing pad and designated walking path border the edge of the ROW to prevent unauthorized foot traffic outside of the ROW.
- On May 29, CPUC EM observed that additional San Bernardino National Forest (SBNF) ROW staking had not been added to areas where the disturbance limits are immediately adjacent to the ROW. This was included as a condition of the release of sites on SBNF lands. The CPUC EM contacted the SCE Environmental Coordinator (EC) to have additional staking added.

- The SCE Biological Field Lead reported that a gravel pile was placed within the disturbance limits of Tower 2648 without a Biological Monitor present on May 31. Later that same day, the gravel was moved from Tower 2648 to the adjacent access road. A Biological Monitor was present at that time.
- An unexploded ordinance (UXO) was reported near Tower 2431 on May 31 and all work in the area was halted until the proper protocols could be implemented. On June 1, the Riverside County Sheriff's Department removed the UXO and work in the area resumed.
- On May 31, the CPUC EM observed scattered trash along the ROW access road between Towers 2343 and 2344 that appeared to have come from a portable bathroom facility during transport (see Figure 8). The CPUC EM notified the SCE General Monitor who contacted the Kenny Construction Coordinator. The trash was collected and removed within the hour.
- On May 31, a SCE Biological Monitor observed a semi-truck (unloading cages for foundation pouring at Tower 2102) make a wide turn and drive over the berm of the access road when exiting the work site. One tire drove over the berm and off the road, causing minor disturbance off the edge of the road. The truck immediately got stuck in the sand and was removed with the help of another truck. The impact included an approximately 5-by-15-foot impact area. The area does not fall within modeled, critical, or occupied habitat for desert tortoise, Coachella Valley milk-vetch, flat-tailed horned lizard, Stephen's kangaroo rat, or Coachella Valley flat-tailed horned lizard. The SCE Field Leads were notified and crews were informed construction traffic must remain within the limits of the sites and access roads. Reminders were issued during the morning tailboards.
- On May 31, a contractor low boy truck delivered a crane just outside Tower 2100. Due to space constraints, the equipment was off-loaded onto an area just north of the road. The impact included an approximately 15-by-10-foot area, featuring track prints from the equipment. The area falls within modeled Coachella Valley fringe-toed lizard habitat and modeled flat-tailed horned lizard habitat. No vegetation or wildlife was impacted. The SCE Field Leads were informed. The equipment was moved to an area within approved work limits. Additional discussion took place at the morning tailboards, stressing the mitigation measures limiting construction activities to approved work limits and the limits of the access roads.
- A portable bathroom was removed from an unapproved location off Red Cloud Road near the entrance to the ROW on June 1. The facility had been staged at that unapproved location for seven days. Previously, multiple attempts through Kenny Construction and CH2MHILL to have the facility removed were met with no response.
- On June 1, due to a deviation from the Plan of the Day (POD) schedule, a contractor BMP crew performed construction activities at Tower 2113, which falls within modeled flat-tailed horned lizard habitat, prior to completion of a preconstruction clearance sweep by a Qualified Biologist. The POD listed Towers 2109 and 2112 for work by the BMP crew. The Biological Monitor performed preconstruction sweeps at those locations prior to the morning tailboard meeting. The Monitor informed the SCE Field Lead and a Qualified Biologist was dispatched to sweep the site. No lizards or other wildlife were harmed in this case. Work resumed without incident.
- On June 1, the onsite Biological Monitor observed that the night security guard had a dog onsite, within the project ROW. On the morning of May 31, the drilling crew informed the Monitor that the security guard was observed with a dog onsite. Paw prints were observed, but the Monitor did not observe the non-compliance first-hand. The Monitor arrived onsite on June 1 prior to the end of the security guard's shift and observed the dog onsite, leashed to a bulldozer. The security guard explained that he was unaware that dogs aren't allowed on the jobsite due to permits, although he also explained that he had received the WEAP training. The Biological Monitor informed the security guard that pets are not allowed onsite. No impacts to biological resources were observed. When the security guard returned at the end of the day for the next night's shift, he did take have the dog onsite.
- On June 1, due to the heat, hydraulic fluid in the pump attached to the water storage tank expanded. While removing hoses from the pump, hydraulic fluid spilled out because of the expansion. The water

tanks were located in an unapproved area adjacent to the Cactus City Rest Area and were being removed per CPUC requirements issued in Project Memorandum #7. Approximately two ounces of hydraulic fluid was observed under the catchment area when moved. The onsite Monitor notified the contractor's environmental team. The spill was cleaned up and the impacted soil was removed to be properly disposed offsite.

- On June 1, several SWPPP violations by the drilling contractor were observed by SCE General Monitors at Tower 2020. Secondary containment was not in place for the water buffalo onsite. Once brought up to the crew, a kiddie pool was placed under the water buffalo. No secondary containment was also observed for the concrete pump truck. This caused a violation when the concrete pump truck leaked/sprayed concrete washout material onto the ground. Despite several gallons of washout materials being leaked onto the ground, no attempt to contain the liquid and/or stop the leaking was made. Three to five gallons of concrete washout liquid leaked onto the ground. The contractor's environmental team was dispatched to clean up the concrete washout material. The final SWPPP violation was a concrete washout bin that was filled to capacity and overflowed, leaking liquid washout onto the soil. The concrete washout bin was filled above 75% capacity with solid concrete material. Pumping of concrete washout liquid continued and eventually overflowed the bin. Visqueen was in place under the washout bin, but only extended 2-8" beyond the base of the bin and therefore was inadequate to contain the overflow. The contractor's environmental team was again dispatched to clean up the concrete washout material.
- On June 1, CPUC EM identified an area just south of Tower 2310X where road base material was laid on the access road (see Figure 9). This area had not yet been released for construction. The SCE EC was notified. Project Memorandum #8 was issued on June 1 for road maintenance completed prior to the pre-construction verification and release of this road from the CPUC.

Two 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) – Ongoing activities associated with CRS that occurred during the subject period included grading, drainage installation, and paving at the substation site. Additional construction activities that were conducted within the substation limits, included wall panel and jute netting installation, and mulching of slopes. BMPs were installed and/or maintained as appropriate within the substation work limits and along the access road.
2. CRS Telecomm Line (BLM and Private Lands) – No major activities were conducted along the CRS telecomm line during the subject period.
3. Series Capacitor (BLM Lands) – Activities associated with the expansion of the existing Series Capacitor site included vegetation clearing/grubbing, site grading, and post-hole drilling for fence installation.
4. Red Bluff Substation (BLM Lands) – Activities that were conducted at the Red Bluff site included ongoing grading of cut and fill areas, installation of drainage structures, establishing a laydown yard, and rock crushing of native fill. Well development, involving pumping of the well, continued throughout the subject period. Activities that were conducted along the primary access road between Corn Springs Road and the substation eastern access road included clearing and grubbing of vegetation, grading, culvert and drainage improvements, and staking of proposed riprap areas. BMP installation and maintenance continued along this section of road.

## **Environmental Compliance**

- SCE General, Biological, and Archeological Monitors were onsite, as appropriate, throughout all construction activities associated with CRS, the Red Bluff Substation, and the Series Capacitor sites.
- The CPUC EM observed the implementation of adequate dust control measures and BMPs throughout the subject period.
- On May 29, the SCE Biological Monitor observed the security guard stationed at the Red Bluff access road entrance throw food scraps on the ground just south of the guard shack. The SCE Biological Monitor informed the security guard that such actions were strictly prohibited. Subsequently, the security guard collected all of the scraps and put them in an approved trash receptacle.
- On May 30, the SCE Biological Monitor reported that a burrowing owl (*Athene cunicularia*) was observed drinking water from a small puddle along the Red Bluff access road. Upon approach by the monitor's vehicle, the owl fled from the immediate area.
- On June 2, the SCE Kit Fox Monitor, using radio telemetry equipment, received a mortality signal for a radio-collared desert kit fox (*Vulpes macrotis*) east of CRS. The SCE Kit Fox Monitor immediately notified the SCE Biological Field Lead, who contacted CDFG. UTM coordinates were collected, but the individual was not recovered following a two-day attempt to excavate the burrow. Excavation activities were approved by the agencies and were conducted under the supervision of CDFG. The cause of death was unknown and the time of death was estimated between May 31 and June 2.
- A total of ten Mojave fringe-toed lizard mortalities, all associated with construction activities at the CRS and CRS loop-in sites, were reported by SCE during the subject period. Since the Mojave fringe-toed lizard is not a listed species, there is not an incidental take statement and no take threshold.

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

### **Agency Representatives during Construction (Other than CPUC EMs):**

None.

## **CONSTRUCTION YARDS AND OTHER WORKSPACES**

### **Summary of Activity:**

Non-Federal Lands:

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

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

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

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

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

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

Devers Yard (Material Yard) – No construction activities were conducted during the subject time period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries. Gravel in the yard is currently being dragged each day to prevent nesting bird activity in the yard.

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

Beaumont Yard (Material Yard) - No construction activities were conducted during the subject time period. Activities are limited to minor maintenance, implementation of BMPs, and material deliveries. Gravel in the yard is currently being dragged each day to prevent nesting bird activity in the yard.

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

Menifee Yard (Contractor Show-Up Yard) – No construction activities were conducted during the subject period. Activities are limited to minor maintenance, implementation of BMPs, temporary storage of construction equipment and materials, and worker vehicle parking. Gravel in the yard is currently being dragged each day to prevent nesting bird activity in the yard.

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

#### **Environmental Compliance:**

- SCE Biological Monitors conducted biological sweeps at all construction yards throughout the subject period.
- On May 30, the CPUC EM notified the SCE Biological Field Lead that the gate to the Chiriaco Summit Yard was being left open (see Figure 10). The yard is located within desert tortoise habitat and is currently encompassed by desert tortoise exclusionary fencing. The requirement to keep the gate closed was discussed at the subsequent POD daily conference calls and tailboard meetings.
- On June 1, an SCE General monitor identified privacy screen damage along the western chain link fence at the Devers 2 Yard. The privacy screen is detached from the fence in two places. This damage resulted from high winds causing the clips to break, allowing the screen to flap in the wind. The Environmental Monitor spoke with the construction yard Manager about the need to repair the wind screen.
- On June 1, a minor leak of gear oil was reported by the SCE General Monitor at the Chiriaco Summit Yard. The leak was detected underneath a water truck that had recently had a bearing assembly repaired. Although secondary containment was installed under the truck, there was none under the engine or transmission area. The leak was cleaned and removed and secondary containment was properly installed under the truck.
- Throughout the subject period, there were several reports of inadequate secondary containment (SWPPP violation) made by the SCE General Monitor at the Blythe, Desert Center 2, and Chiriaco Summit Construction Yards. The lack of secondary containment had been a topic discussed to crews through tailboard and POD meetings. Each reportable offense was resolved, according to SCE reports.

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 06/28/12)

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 #15	06/19/12	Under Review	T/L- Devers to Valley	H10- Helicopter Landing Zone

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 06/28/12)

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.
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 #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	To CPUC	T/L	Request a disturbance area shift for Tower 1013 due to engineering changes.
	04/12/12	Under review	T/L	Preconstruction survey extension request from 14 days to 30 days
<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.
BLM #7	03/28/12	04/11/12	Substation	Request for HLZ (helicopter landing zone) at Red Bluff Loop-in Tower site RB1-2W.

Variance Request	Date Requested	Date Issued	Segment	Description
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	04/04/12	04/17/12	Substation	Red Bluff Substation access road realignment.
DNA #5	03/05/12	05/22/12	Red Bluff Loop-ins	Request to revise road locations.
DNA #7	04/12/12	05/22/12	Series Capacitor	Certain activities to be constructed within the footprint of the Series Capacitor bank.
	12/22/11	Under review	Series Capacitor	Request to relocate a portion of the Imperial Irrigation District distribution line located at the Series Capacitor site.
	02/01/12	Under review	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.
	04/04/12	Under review	T/L	Request for a HLZ and temporary disturbance area shifts near CRS.
	05/02/12	Under review	T/L	Additional access route between Towers 2528X and 2527.
	05/19/12	Under Review	CRS	Request for a permanent turning radius along the CRS access road.
	06/04/12	Under Review	CRS	300-foot driveway along the CRS access road.
	06/18/12	Under Review	Substation	Request to build a telecom site near Desert Center for Red Bluff Substation
<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 06/28/12)

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.

TEWS Request	Date Requested	Date Approved	Segment	Description
#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.
<b>BLM</b>				
Level 1 #1	6/6/12	6/11/12	Red Bluff Loop In	RB1-4E disturbance area shift.

## NON-COMPLIANCES & INCIDENTS

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

**TABLE 4**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
(Updated 06/28/12)

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.

Type	Date Issued	Location	Description
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.
<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.

## CONSTRUCTION PROGRESS

Table 5 provides a summary of transmission line construction progress.

**TABLE 5**  
**CONSTRUCTION PROGRESS STATUS**  
(As of 06/23/12)

Agency	Total	Released for Construction	Foundations Completed	Towers Erected	Wire Installed
Non Federal (CPUC)	350	177	99	14	0
Bureau of Land Management (BLM)	204	177	58	9	0
US Forest Service (SBNF)	12	12	0	0	0
<b>Total</b>	<b>566</b>	<b>366</b>	<b>157</b>	<b>23</b>	<b>0</b>

## PROJECT PHOTOGRAPHS



**Figure 1.** Installation of road base material at Hayfield Road.



**Figure 2.** Vegetation clearing at Tower 2432.



**Figure 3.** Tower assembly at RB2-5E.



**Figure 4.** Foundation excavation drilling at Tower 1012.





**Figure 5.** Rebar cage setting in preparation for concrete pour at Tower 1007.



**Figure 6.** Vegetation clearing activities at Tower 1039. In the photo the Fire Patrol is seen watering down vegetation prior to it being loaded into the vegetation chipper.





**Figure 7.** Repairs to RCA at Tower 1047. In the photo the BMPs are placed just outside the RCA and chipped vegetation has been removed.



**Figure 8.** Scattered trash observed along ROW access road between Towers 2343 and 2344.



**Figure 9.** Road base installed on access road just south of Tower 2310 in an area not yet reviewed and released by the CPUC.



**Figure 10.** Entrance gate to the Chiriaco Summit Yard left open.