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## PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

**To:** Billie Blanchard, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** December 10, 2012  
**Subject:** Weekly Report 70, November 12 to November 18, 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 Site 56.
  - Maintenance of BMPs occurred at Towers 2631, 2639, 2641, 2646, 2647, 2648, CR1-1E, and CR1-5E, and Wire Sites 89 and 90.
  - Site clearing activities were conducted at Splice Site 56.
  - Desert pavement and topsoil salvage activities were conducted at Splice Site 56.
  - Grading activities occurred at Splice Site 56.
  - Tower assembly and/or steel deliveries occurred at Towers 2552, 2561, 2569, 2602, 2603, 2607, 2608, 2609, 2610, 2611, 2612, 2615, 2617, 2619, 2620, 2621, and 2634.
  - Wire stringing activities were conducted between Towers CR1-5E and M122-T3, at all of the CRS loop-ins, and at associated wire stringing locations (see Figure 1).
2. Red Bluff Substation to Devers Substation
  - Installation of BMPs occurred at Wire Site 55/Pull Site 56/Splice Site 43, Wire Site 59/Pull Site 60/Splice Site 45, at Splice Sites 44, 46, and 48, and Fiber Optic Reel Site 57.
  - Maintenance of BMPs occurred at Towers 2213 and 2216.
  - Maintenance of Coachella Valley Fringe-toed exclusionary fencing occurred at Towers 2012, 2013, 2017, 2020, 2101, 2102, 2132, 2133, and 2203.



- Site clearing activities were conducted at Wire Site 59/Pull Site 60/Splice Site 45, at Splice Sites 46, 48, and 51, and at Fiber Optic Reel Site 57.
- Desert pavement salvage was conducted at Towers 2251 and 2255, at Wire Site 59/Pull Site 60/Splice Site 45, and at Fiber Optic Reel Site 57.
- Grading activities occurred at Towers 2251, 2255, and 2413, at Wire Site 59/Pull Site 60/Splice Site 45, at Splice Sites 46, 48, and 51, and at Fiber Optic Reel Site 57.
- Micropile activities occurred at Tower 2308.
- Tower foundation drilling activities occurred at Tower 2413 (see Figure 2).
- Tower foundation concrete pouring activities occurred at Towers 2222 and 2413.
- Foundation repairs were conducted at Towers 2400 and 2455.
- Tower assembly and/or steel deliveries occurred at Towers 2000A, 2000B, 2001, 2003, 2013, 2015, 2105, 2108, 2121, 2242, 2244, 2246, 2251, 2260, 2404, 2415, 2434, 2443, 2443ALT, 2454, 2507, and 2508, and within Helicopter Landing Zone (HLZ) H1E (see Figure 3).
- Wire stringing activities were conducted at 2000X and the Red Bluff loop-in towers and associated wire stringing locations.

### 3. Devers Substation to Valley Substation

#### Non-USFS Land

- Installation of BMPs occurred at Towers 1066, 1067, 1070, 1072, 1074, 1075, 1102, and 1133.
- Maintenance of BMPs occurred at Towers 1016, 1100, 1114, 1128, 1133, and HLZs H1X and H9.
- Vegetation clearing occurred at Towers 1133 and 1147.
- Grading activities occurred at Towers 1012, 1075, 1126, 1127, 1128, 1133, 1140, 1142, 1143 and 1144.
- Micropile site preparations occurred at Towers 1067, 1069, 1070, 1072, 1074, 1102, 1103, and 1108.
- Micropile foundation activities occurred at Towers 1032, 1033, 1034, and 1107.
- Tower foundation drilling activities occurred at Towers 1081, 1097, 1100, 1114, 1133, 1141, 1143, 1144, and 1148.
- Tower foundation concrete pouring activities occurred at Towers 1081, 1084, 1093, 1097, 1100, 1141, 1143, and 1148.
- Tower assembly and/or steel deliveries occurred at Towers 1001, 1003, 1005, 1062, 1076, 1078, 1086, 1087, 1095, 1134, 1135, 1137, and within Landing Zones H1A 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.
- FAA lighting installation occurred at Tower 1000X.

#### USFS Land

- Micropile site preparation occurred at Towers 1043, 1044, and 1046.
- Micropile foundation activities occurred at Towers 1037, 1038, 1039, and 1042 (see Figure 4).

## Environmental Compliance

- Per the requirements of the Paleontological Monitoring and Treatment Plan, approved Paleontological Monitors were present during grading and foundation drilling activities where required throughout the subject period.
- The CPUC EMs confirmed that approved desert tortoise Authorized Biologists were available at all applicable sites.
- The CPUC EMs confirmed Authorized Coachella Valley Fringe-toed Monitors and handlers were onsite during construction activities at applicable sites.
- The CPUC EMs confirmed Authorized Stephen's Kangaroo Rat Monitors 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 three sites that required maintenance to BMPs and were subsequently added to the list. All sites that were previously added to the list were adequately maintained during the subject period.
- There was one incident associated with improper disposal of trash/construction debris reported during the subject period.
- There were four reported incidents of crews going outside of approved project boundaries.
  - On November 15, the CPUC EM observed a portion of assembled tower steel that was blown over and landed outside of Tower 1016 disturbance area limits in modeled Desert Tortoise habitat (see Figure 5). The CPUC LEM informed the SCE Environmental Coordinator (EC) immediately. SCE stated it is unknown how the tower piece fell over, but high winds in the area were suspected. To date, the CPUC is still awaiting SCE's final safety incident report for this tower and for steel that also fell over at Tower 1003 within the disturbance area.
  - On November 16, a Biological Monitor was monitoring the apparent exit of the PAR steel delivery truck from Tower 1135 when the truck went off the right-of-way (ROW) (see Figure 6). The Biological Monitor inspected the area and found no sensitive resources were impacted. To date, SCE has not provided a resolution to this incident.
  - On November 16, a Biological Monitor observed a PAR delivery truck drive outside the disturbance area approximately three feet at Tower 2118. No special status species were compromised. The construction crew discussed asking for four wheel drive vehicles from management in order to not get stuck and cause disturbance outside of their approved limits.
  - On November 17, a Biological Monitor was monitoring a PAR steel delivery truck attempting to enter the spur road to Tower 2260 when the truck went off the ROW at the access road (see Figure 7). The length of the tire marks beyond the access road limits was approximately 10 feet. The Biological Monitor did not state that the area was inspected and if sensitive resources were impacted. This incident occurred in desert tortoise modeled habitat. To date, SCE has not provided a resolution to this incident.
- On November 11, while conducting the initial clearance of Tower 1093, the Biological Monitor observed an open foundation hole. The hole was covered properly the previous day, but wind conditions tore the felt material, leaving a large gap (see Figure 8). The hole was inspected with a mirror by the crew to ensure no wildlife was present in the hole before foundation pouring began. The two remaining open holes were covered securely at the end of the day.
- On November 14, the SCE General Monitor observed dry and dusty conditions along the ROW access roads from Dillon Road to Tower 2246, from Chiriaco Summit Road to Tower 2413, from Red Cloud and Eagle Mountain Roads to Tower 2454, and from Rice Road to Tower 2507. There were no signs of watering to meet minimum requirements of the Fugitive Dust Control Plan. Biological Monitors confirmed that no watering along the ROW access road had taken place. To date, SCE has not provided the CPUC with information detailing how each of these incidents was resolved.

- On November 15, the SCE Biological Monitor observed a project forklift parked in an unapproved area overnight. The SCE Biological Monitor informed the Field Contact Representative (FCR) and the incident was recorded as a violation by SCE. To date, SCE has not provided the CPUC with information detailing how this specific incident was resolved.
- On November 15, the SCE General Monitor observed damage to screening and fencing at HLZs H1X and H1A due to high winds. The damage was repaired by December 3.
- On November 15, the onsite Biological Monitor informed the SCE General Monitor of a spill that occurred at Tower 1143. Diesel fuel was stolen from an excavator and approximately 1.5 gallons was spilled onto the soil. State and local agencies were contacted and a CAL EMA report was generated. The contaminated soil was removed from the site and consolidated into two 55 gallon drums for proper disposal.
- On November 15, the CPUC EM observed compliance with the USFS Fire Plan and PAL C requirements at Tower sites 1038, 1039, 1043, and 1044.

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 walls, installation of conductor cable and other conduit, trenching for grounding and backfilling of trenches, and maintenance of drainage structures. Maintenance repairs along the CRS access road and side slopes are ongoing.
2. CRS Telecomm Line (BLM and Private Lands) – No construction activities were conducted during the subject period.
3. Desert Center Telecomm Site (BLM and Private Lands) – No construction activities were conducted during the subject period.
4. 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, construction of the MEER building basement, 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, 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 during the subject period. These incidents were observed at CRS.
- 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.

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 12/10/12)

| NTP #/<br>Permit | Date<br>Requested | Date<br>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<br>Distribution<br>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<br>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 #/<br>Permit | Date<br>Requested | Date<br>Issued | Segment                         | Description                                                                                                                                          |
|------------------|-------------------|----------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| NTP #9           | 10/08/11          | 12/02/11       | T/L –<br>Devers to<br>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 –<br>Devers to<br>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-<br>Devers to<br>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.                                                                                                                                      |
| <b>BLM NTPs</b>  |                   |                |                                 |                                                                                                                                                      |
| BLM NTP<br>#1    | 08/26/11          | 09/19/11       | DPV2<br>Substation,<br>T/L      | Authorization to proceed with construction of the DPV2 Transmission Line, Colorado River Substation, and associated project components on BLM lands. |
| BLM NTP<br>#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 12/10/12)

| Variance<br>Request                      | Date<br>Requested | Date<br>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<br>Yards | Utilize offsite well location and installation of 12,000-gallon water tank for filling trucks.                                                                                                                            |

| Variance Request | Date Requested | Date Issued | Segment                                                  | Description                                                                                                                                                                                      |
|------------------|----------------|-------------|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VR #4            | 07/06/11       | 07/21/11    | Menifee Yard                                             | Expansion of Menifee Construction Yard, which would include approximately 5 acres of additional disturbance within the western portion of the parcel, for material storage and other activities. |
| VR #5            | 04/22/11       | 07/28/11    | CRS Devers and Valley Substations, Series Capacitor Site | Modification of APM A-7 regarding carpooling for construction at substations.                                                                                                                    |
| VR #6            | 07/07/11       | 08/01/11    | Menifee, Beaumont, Perris Yards                          | Request to remove Mitigation Measures B-13a and B-13b, and to modify B-1a, B-1a (revised), and B-7e pertaining to Western Riverside County MSHCP compliance.                                     |
| VR #7            | 08/11/11       | 08/22/11    | Perris, Beaumont, Menifee, Blythe Yards                  | Request to utilize offsite water hydrants at Perris, Beaumont, Menifee, and Blythe Construction Yards.                                                                                           |
| VR #8            | 08/26/11       | 08/27/11    | Beaumont Yard                                            | Request to install seeded jute netting along the property frontage at Beaumont Construction Yard.                                                                                                |
| VR #9            | 08/24/11       | 09/01/11    | DC 2 Yard                                                | Request for installation of temporary power poles outside of Desert Center 2 Construction Yard.                                                                                                  |
| VR #10           | 08/26/11       | 09/01/11    | Devers & Summit Yards                                    | Utilize offsite water locations needed for dust suppression at Devers and Summit Construction Yards.                                                                                             |
| —                | 09/21/11       | Retracted   | Perris Yard                                              | Request for additional workspace involving vegetation clearing, installation of BMPs, and temporary driveway installation at Perris Construction Yard.                                           |
| 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.                                                                                                                                   |

| Variance Request | Date Requested       | Date Issued        | Segment      | Description                                                                                                                                                                         |
|------------------|----------------------|--------------------|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>10/26/12 | Denied<br>01/13/12 | Substation   | Request to formalize changes to the Red Bluff MMCRP Mitigation Measure BIO-4 and Applicant Measure BIO-5.                                                                           |
| VR #19           | 01/06/12             | 01/18/12           | T/L          | Request to allow the usage of helicopter landing zone H9-DV as a replacement for H8-DV.                                                                                             |
| VR #20           | 01/13/12             | 01/19/12           | T/L          | Request for the use of offsite water hydrants located in the Cabazon area for dust suppression.                                                                                     |
| VR#21            | 01/20/12             | 02/02/12           | T/L          | Request for the use of offsite water hydrants located in the Lake Tamarisk area for dust suppression                                                                                |
| VR #21 Mod       | 03/16/12             | 03/21/12           | T/L          | Modification to VR #21. Request installation of two driveways and an underground water line adjacent to the approved stand tank locations at the Lake Tamarisk Resort water source. |
| VR #21 Mod       | 09/24/12             | 10/03/12           | T/L          | Request for a modification to Variance #21 for the expansion of the egress at the Lake Tamarisk water source.                                                                       |
| VR #22           | 01/25/12             | 02/02/12           | T/L          | Request to install 10,000-gallon standing water tanks at three locations.                                                                                                           |
| VR #23           | 01/27/12             | 02/21/12           | T/L          | Request to modify NTP #10 and MM AQ-1g for additional t-line helicopter construction.                                                                                               |
| VR #24           | 02/08/12             | 02/21/12           | T/L          | Request for approval to purchase MWD water credits in lieu of Colorado River water credits due to the unavailability of water allotments within the Colorado River Basin.           |
| 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                                                                                                                         |

| Variance Request | Date Requested        | Date Issued | Segment    | Description                                                                                                                                                                               |
|------------------|-----------------------|-------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>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<br>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<br>(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<br>(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<br>(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.                                                                                                                               |

| Variance Request | Date Requested | Date Issued  | Segment            | Description                                                                                                                                                      |
|------------------|----------------|--------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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       | 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.                                                                                                                                                  |
| 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.                             |

| Variance Request | Date Requested | Date Issued | Segment    | Description                                                                                  |
|------------------|----------------|-------------|------------|----------------------------------------------------------------------------------------------|
| —                | 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 12/10/12)

| 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.                                                                                                                  |

| TEWS Request            | Date Requested | Date Approved                                               | Segment           | Description                                                                                                                                                                                 |
|-------------------------|----------------|-------------------------------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>BLM<br/>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.<br>*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<br/>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.                                                                                                                          |

| TEWS Request | Date Requested | Date Approved | Segment | Description                                                                                                                                                                           |
|--------------|----------------|---------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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).                                                            |
| 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).                                                                                                     |

## NON-COMPLIANCES & INCIDENTS

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

**TABLE 4**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
(Updated 12/10/12)

| 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/<br>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<br>& 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,<br>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<br>access road<br>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<br>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<br>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.                                                                                                                                            |
| 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 12/02/12)

| Agency                          | Total      | Released for Construction | Foundations Completed | Towers Erected | Wire Installed |
|---------------------------------|------------|---------------------------|-----------------------|----------------|----------------|
| Non Federal (CPUC)              | 350        | 343                       | 284                   | 135            | 7              |
| Bureau of Land Management (BLM) | 204        | 203                       | 192                   | 141            | 19             |
| US Forest Service (SBNF)        | 12         | 12                        | 1                     | 0              | 0              |
| <b>Total</b>                    | <b>566</b> | <b>558</b>                | <b>477</b>            | <b>276</b>     | <b>26</b>      |

## PROJECT PHOTOGRAPHS



Figure 1. Wire stringing at Towers 2648 and CR1-1W.



Figure 2. Drilling activities at Tower 2413.



Figure 3. Steel erection at Tower 2246.



Figure 4. Micropile drilling at Tower 1038.



Figure 5. Portion of assembled tower that fell outside of the disturbance limits at Tower 1016.



Figure 6. Impacts outside of the approved road limits at the entrance to Tower 1135.



Figure 7. Impacts outside of the approved road limits at the entrance to Tower 2260. Photo courtesy of FRED.



Figure 8. Improperly covered excavation hole at Tower 1093. The hole was covered properly the previous day but wind conditions tore the felt material, leaving a large gap.



Figure 9. Foundation work for the 500 kV switchrack within the Devers Substation expansion.