



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

**PROJECT MEMORANDUM  
SCE DPV2 TRANSMISSION PROJECT**

**To:** Billie Blanchard, Project Manager, CPUC  
**From:** Vida Strong, Aspen Project Manager  
**Date:** April 25, 2013  
**Subject:** Weekly Report 89, March 25 to March 31, 2013

## 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, Carla Wakeman, and Scott Debauche.

## TRANSMISSION LINE CONSTRUCTION

### Summary of Activity

1. Colorado River Substation (CRS) to Red Bluff Substation
  - No construction activities were conducted during the subject period.
2. Red Bluff Substation to Devers Substation
  - Maintenance of Coachella Valley fringe-toed lizard fencing occurred at Towers 2122 and 2126.
  - Maintenance road grading occurred on the right-of-way (ROW) between Towers 2011 thru 2012, and 2221 thru 2225.
  - Wire stringing activities were conducted between Towers 2010 thru 2018, Towers 2257 thru 2326, and at associated wire stringing locations.
  - Telecommunication splicing occurred at Towers 2431, 2440, 2454, 2505, 2516, RB1-2E, and RB2-3E.
  - Foundation closeout activities were conducted at Tower 2443.
  - Site stabilization activities, including BMP removal, recontouring, and desert pavement/topsoil replacement were conducted at Towers 2134, 2137, 2202, 2203, 2205 thru 2225, 2227, 2228, 2327, 2328, 2330, 2331, and 2332, Pull Site 42, Wire Site 41, Splice Sites 29, 30, 38, and 42, Fiber Optic Reel Site 51, Guard Structures 54 and 55, Wire Site 53/Pull Site 54/Splice Site 41, and Wire Site 55/Pull Site 56/Splice Site 43.



### 3. Devers Substation to Valley Substation

#### Non-USFS Land

- Installation of BMPs occurred at Towers 1032, 1034, 1053, 1055 thru 1057, 1059, 1061, 1064, 1065, 1081, 1095, 1096, 1098, 1099, 1100, 1101, and 1140.
- Maintenance of BMPs occurred at Towers 1032 thru 1035, 1049 thru 1051, 1080, 1093, 1094, 1107 thru 1129, 1133 thru 1142, and 1145 thru 1155.
- Installation of guard poles occurred at Guard Structures GS1 thru 4, and 12 (see Figure 1).
- Site clearing occurred at Wire Site 36 (see Figure 2).
- Site clearing for permanent landing pads occurred at Tower 1034.
- Grading activities occurred on the ROW access road from HWY 79 to Tower 1101.
- Grading activities occurred at Guard Structures 19, 20A, and 20B, and Wire Site 37.
- Grounding wire trenching occurred at Tower 1064.
- Micropile foundation activities occurred at Towers 1070, 1101, 1102, 1103, 1108, and 1109.
- Tower assembly and/or steel deliveries occurred at Towers 1036, 1049, 1070, 1071, 1073, 1075, 1081, 1093, 1094, 1099, 1105, 1106, 1110, 1111, 1113, 1116, 1118, 1124, 1130, 1131, 1132, 1140, 1142, 1153, 1154, and 1155 (see Figure 3).
- Tower foundation close-out activities occurred at Towers 1055 through 1057, 1059, 1063, 1077, 1078, 1087, 1122, 1125, 1135, 1136, 1140, 1145, 1146, 1150, 1151, and 1154.
- Wire stringing activities were conducted between Towers 1001 and 1010, and at associated wire stringing locations.

#### USFS Land

- BMP maintenance occurred at Towers 1037 thru 1048.
- Site clearing for permanent landing pads occurred at Tower 1043.
- Micropile foundation activities occurred at Tower 1037 thru 1048.
- Tower assembly occurred at Towers 1037, 1040, 1042, 1045, and 1046.

### **Environmental Compliance**

- Per the requirements of the Paleontological Monitoring and Treatment Plan, approved Paleontological Monitors were present during grading and foundation drilling activities where required throughout the subject period.
- The CPUC EMs confirmed that approved desert tortoise Authorized Biologists were available at all applicable sites.
- The CPUC EMs confirmed Authorized Coachella Valley fringe-toed lizard (CVFTL) Monitors and handlers were onsite during construction activities at applicable sites.
- The CPUC EMs confirmed permitted California gnatcatcher (CAGN) Biologists were onsite during construction activities at applicable sites.
- On March 28, dust plumes were observed originating from (Helicopter Landing Zone) HLZ H7 disturbance area upon K-Max helicopter approach to site to return a tower leg sections during two picks. As soon as the tower leg was released from the longline during the second pick and secured by ground crews, the onsite water truck began watering the areas where dust plumes were generated.
- There were two incidents of crews working outside of the approved disturbance area boundaries.

- On March 27, the CPUC EM observed a contractor vehicle towing guard poles from a yard that was not approved for the DPV2 project. The CPUC LEM notified the SCE Environmental Coordinator (EC) of the observation. The SCE Environmental Coordinator (EC) confirmed that the contractor was using an unapproved yard and were notified to vacate that yard and move all equipment and materials to an approved DPV2 yard.
- On March 28, the CPUC EM observed a truck and trailer staged in an unapproved area near Tower 1094. The SCE EC was notified and informed the CPUC EM the truck and trailer would be moved. The next day the CPUC EM observed the truck and trailer were moved into an approved disturbance area (see Figure 4).
- On March 26, the sockline used to pull OPGW broke and fell to the ground between Towers 2265 and 2305. The small diameter line contacted the ground for approximately 100 feet. Recovery of the line did not require any off road work. Upon inspection of the area, the SCE Biological Monitor determined that there were no impacts to biological resources (see Figure 5).

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.

**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 and switchracks, installation of conductor cable and other conduit, trenching for grounding and backfilling of trenches, storm drain installation, steel erection, and telecomm splicing. Activities associated with the CRS access road improvements included key trenching and installation of riprap and culverts.
2. Southeast (SE) Telecomm Line (BLM and Private Lands) – Activities that occurred during the subject period were limited to fiber optic cable splicing.
3. Desert Center Telecomm Site (BLM and Private Lands) – Activities that occurred during the subject period included civil grading, retaining wall construction, distribution pole and line installation, driveway access construction, and running conduit cable.
4. Red Bluff Substation (BLM Lands) – Activities that were conducted at the Red Bluff site included foundation excavation; construction of the MEER building, transformer pads, and switchracks; installation of conductor cable and other conduit; trenching for grounding; steel erection; and telecomm splicing (see Figure 6).
5. Chuckwalla Telecomm Site (BLM Lands) – Activities that occurred during the subject period were limited to MEER building electrical work and tower erection.
6. Series Capacitor (BLM Lands) – Activities that were conducted during the subject period included construction associated with the capacitor and MEER building, foundation excavation, security equipment installation, grounding well construction, transmission line bypass jumper installation, and telecomm fiber optic cable splicing (see Figure 7).
7. Mirage Substation Loop-ins (Private Lands) – Construction activities included telecommunication fiber optic stringing and splicing from the Mirage Substation to Tower 2130.
8. Devers Substation (Private Lands) – Activities that were conducted for the Devers Substation expansion and upgrades included work associated with the extension of the 500 kV switchrack 2 positions and MEER building electrical improvements.

9. Valley Substation (Private Lands) – No construction activities occurred during the subject period.

### **Environmental Compliance**

- SCE General, Biological, and Archeological Monitors were onsite, as appropriate, throughout all construction activities associated with the above listed sites.
- There were fourteen reported mortalities of Mojave fringed-toed lizards along the CRS access road during the subject period.
- There was one incident associated with excessive vehicle speed along the CRS access road reported during the subject period.
- There was one incident associated with improper disposal of trash (including food scraps) reported at CRS during the subject period.

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) – There were no construction activities conducted during the subject period. The process of closing out this yard is underway.

Desert Center 1 Yard (Material Yard) – There were no construction activities conducted during the subject period. The process of closing out this yard is underway.

Desert Center 2 Yard (Material Yard/Contractor Show-Up Yard) – There were no construction activities conducted during the subject period. The process of closing out this yard is underway.

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 4/25/13)

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 #/ Permit	Date Requested	Date Issued	Segment	Description
NTP #12	01/20/12	02/03/12	Yards	Construction of Desert Center 3 Construction Yard.
NTP #13	04/12/12	05/09/11	Substation	Devers Substation upgrades
NTP #14	06/13/12	06/20/12	Substation	Valley Substation upgrades
—	06/19/12	Retracted	T/L- Devers to Valley	H10- Helicopter Landing Zone
NTP #15	07/16/12	11/15/12	Substation	Colorado River Substation to Blythe South East Telecommunication Route
NTP #16	11/07/12	12/03/12	Substation	Mirage loop in.
<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 1/2A requests submitted to date are summarized in Tables 2 and 3, respectively.

**TABLE 2**  
**VARIANCE REQUESTS**  
(Updated 4/25/13)

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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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
VR #37	06/20/12	06/30/12	T/L	Request a disturbance area shift for Tower 1013 due to engineering changes.
VR #38	08/09/12 Revised	08/21/12	T/L	Request for additional water source locations in the Thousand Palms area.
VR #39	08/14/12	09/05/12	T/L	Request for additional access road use near Towers 2103, 2112, and 2260.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #40	08/22/12	09/11/12	T/L	Request for the use of an existing spur road to Tower 2242.
VR #41	09/10/12	09/12/12	T/L	Request for the use of additional access routes to Towers 1118-1122 and HLZ H9. These roads were previously approved through the TEWS process.
—	04/12/12	Retracted	T/L	Preconstruction survey extension request from 14 days to 30 days. Petition for Modification required.
—	08/09/12 revised	Retracted	T/L	APM A-6 - Eliminate tarping on bottom dump trucks. Petition for Modification required.
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.
VR #42 Mod	02/28/13	03/05/13	T/L	Request to modify Variance 42 to allow equipment and material to be staged on the access road near Tower 1031 for helicopter picks.
—	08/14/12	Retracted	T/L	Request that Helicopter Landing Zones (HLZs) on Devers to Valley be exempt from construction screening MM V-1a.
VR #43	09/18/12 (revised)	09/21/12	T/L	Request revisions to pull sites from Devers to Red Bluff.
VR #44	09/24/12	09/28/12	T/L	Request a stub road revision at Tower 1147.
VR #45	09/25/12	10/04/12	T/L	Request for the use of additional access roads on the Devers to Valley section.
VR #46	09/20/12	10/10/12	T/L	Helicopter Picking Locations for Sites 1112 and 1108.
VR #47	10/09/12 (revised)	10/18/12	T/L	Relocation of guard structures and an addition of an access road in the Devers to Red Bluff section.
VR #48	10/02/12	10/18/12	T/L	Request for an additional water source in the Devers to Valley section.
VR #49	11/02/12	11/07/12	T/L	Request additional disturbance area at Tower 2000X.
VR #50	10/19/12	11/11/12	T/L	Request for the expansion of splice site 57 (near Tower 2557) and expansion and shift of splice site 64 (near Tower 2614).
VR # 51	10/24/12	11/15/12	T/L	Request to convert two conventional tower sites to helicopter sites from Devers to Red Bluff. In addition, SCE is requesting to add temporary helicopter platforms to access three sites.
VR #52	11/13/12 (revised)	11/15/12	T/L	Request to revise the disturbance area for Fiber Optic Site 59.
VR #53	10/30/12	11/20/12	Substation	Request access road improvements along the CRS access road.
VR #54	11/27/12	12/07/12	T/L	Request to revise pull site on Devers to Valley (pull Package 1).
VR #55	11/28/12	12/10/12	T/L	Request to revise pull sites from Devers to Red Buff (Pull Site Revision III-B).
VR #56	12/17/12	01/07/13	T/L	Request for an additional HLZ site near Tower 1051.

Variance Request	Date Requested	Date Issued	Segment	Description
VR#57	01/03/13 and 01/07/13	01/10/13	T/L	Request to shift guard structures from Red Bluff to Devers (Priority #1). Request to shift guard structures from Red Bluff to Devers (Minor Modification).
VR #58	01/04/13	01/15/13	T/L	Request to shift pull sites from Red Bluff to Devers (Pull Site Priority #2).
VR #59	01/08/13	01/15/13	Substation	Request for a temporary work area for the Mirage Substation Telecommunication Loop-In.
VR #60	01/18/13	01/22/13	Substation	Request for an additional disturbance area for CRS SE Telecom Route Anchor Rod Installation.
VR #61	01/18/13	01/23/13	Substation	Request to use Gravel Pit Road to access pole installation locations east of TL tower M123-T1 for the SE Telecom Route.
VR #62	01/30/13	02/07/13	T/L	Request to shift Devers to Valley Pull 102 for Towers 1002-1010.
VR #63	01/30/13	02/07/13	T/L	Request to shift Devers to Valley Pulls 103 for Towers 1010-1019.
VR #64	01/29/13	02/12/13	T/L	Request to shift Devers to Valley Pulls 104-105 for Towers 1019-1031.
VR #65	01/31/13	02/12/13	T/L	Request to shift Devers to Valley Pulls 101 for Towers 1000-1002.
VR #65 MOD	03/22/13	03/25/13	T/L	Request to modify Guard Structure Sites GS3 and GS4 previously approved in Variance #65.
VR #66	02/14/13 Revised on 02/25/13	02/28/13	T/L	Request to expand Tower 1077 disturbance area.
VR #67	02/25/13	02/28/13	T/L	Suppress fugitive dust outside of HLZs H2 and H2A disturbance areas, including required access roads.
VR #68	02/13/13	03/07/13	T/L	Request to shift Devers to Valley Pulls 109 for Towers 1083-1090.
VR #69	03/07/13	03/08/13	T/L	Request to use Gasline Road to Tower 2249 to avoid an active nest.
VR #69 MOD	03/26/13	04/01/13	T/L	Request to modify Variance #69 by adding an access road between the Gasline Road and the ROW road near Tower 2249.
VR #70	03/05/13	03/13/13	Substation	Request to use access roads by Devers Substation.
VR #71	03/08/13	03/14/13	T/L	Request to modify the turning radius at HLZ H7.
VR #72	03/13/13	03/18/13	T/L	Request to shift Devers to Valley Pulls 115 for Towers 1132 to 1143.
	03/11/13	Under Review	T/L	Request for the following yards (Beaumont 1, Perris, Devers, Indio 1 and Desert Center 2) to stay as permanent construction yards.
VR #73	03/13/13	03/24/13	T/L	Request to shift Devers to Valley Pulls 110-113 for Towers 1090 to 1122.
VR #74	03/22/13	03/29/13	T/L	Request to shift Devers to Valley Pulls 116-117 for Towers 1143-1157.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #75	03/22/13	04/01/13	T/L	Request to shift Devers to Valley Pulls 107-108 for Towers 1065 thru 1082.
VR #76	03/28/13	04/04/13	T/L	Request to increase Wire Site 42 near Tower 1122.
VR #77	04/04/04	04/10/13	T/L	Request to modify Guard Structure Sites GS22A and GS22B on Devers to Valley.
VR #78	04/05/13	04/10/13	T/L	Request to relocate the approved access road to DV Fiber Option Optional Setup 34 to within SCE's right-of-way along the Devers-Valley segment.
VR #79	04/11/12	04/16/13	T/L	Request to use an alternate access route to Power Line Road at Diablo Road to maintain access between Towers 1003 and 1004 along the Devers-Valley segment.
VR #80	04/16/13	04/18/13	T/L	Request for Disturbance Area Adjustments at GS52A and GS52B on the Devers to Valley segment.
	04/23/13	Under Review	T/L	Request for Disturbance Area Adjustments at GS89A and GS89B on the Devers to Valley segment.
	04/23/13	Under Review	T/L	Request to use walking paths from Towers 1031 to 1032, 1034 to 1037 and 1048 to 1051 on the Devers to Valley segment.
<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.

Variance Request	Date Requested	Date Issued	Segment	Description
DNA #5	03/05/12	05/22/12	Red Bluff Loop-ins	Request to revise road locations.
DNA #6	04/04/12	04/17/12	Substation	Red Bluff Substation access road realignment.
DNA #7	04/12/12	05/22/12	Series Capacitor	Certain activities to be constructed within the footprint of the Series Capacitor bank.
DNA #8	05/02/12	07/31/12	T/L	Additional access route between Towers 2528X and 2527.
DNA #9	05/19/12	06/15/12	CRS	Request for a permanent turning radius along the CRS access road.
DNA #9	06/04/12	06/15/12	CRS	300-foot driveway along the CRS access road.
DNA #11	07/02/12	07/31/12	T/L	A Level 2 Variance request for a disturbance area shift at Tower 1013 due to engineering changes. This tower is located on BLM land.
—	07/24/12	Retracted	T/L	APM A-6 - Eliminate tarping on bottom dump trucks.
BLM #9	04/04/12	09/21/12	T/L	Request for a HLZ and temporary disturbance area shifts near CRS.
DNA #10	06/18/12	09/25/12	Substation	Request to build a telecom site near Desert Center for Red Bluff Substation.
DNA #12	07/30/12	09/26/12	Substation	DNA for Colorado River Substation Telecommunication Distribution Line.
BLM #10	10/24/12	11/20/12	T/L	Request to construct Tower 2413 using both conventional and helicopter construction methods.
<b>USFS</b>				
USFS-1	03/15/12	03/20/12	T/L	SBNF engineering modifications (revised disturbance areas).

**TABLE 3**  
**TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS**  
(Updated 4/25/13)

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.

TEWS Request	Date Requested	Date Approved	Segment	Description
#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.
#9	03/27/13	03/28/13	T/L	Request to use a turnout off Highway 79.
#10	03/29/13	03/29/13	T/L	Request to use an existing road near Tower 1099.
<b>BLM Level 1</b>				
Level 1 #1	06/06/12	06/11/12	Red Bluff Loop In	RB1-4E disturbance area shift.
Level 1 #2	07/12/12	08/06/12	T/L	Request for two stand tank locations. Received revised request from SCE on 08/06/12.
Level 1 #3	09/13/12	Partial Approval on 09/17/12, Complete Approval on 09/24/12	T/L	Remove visual screening at Helicopter Landing Zones H1E H4 and H5.  *Approved the removal of screening at H4 on 09/17/12. Approval of the removal of screening at H1E and H5 on 09/24/12.
Level 1 #4	09/14/12	09/17/12	T/L	Request to shift the tower disturbance area at Tower 2644.
Level 1 #5	09/14/12	09/19/12	T/L	Request to use an existing road (Ford Dry Lake Road) as access.
Level 1 #6	09/25/12	09/26/12	T/L	Request the use of an additional access route to Tower 1130.
Level 1 #7	10/09/12	10/11/12	T/L	Request to use an access road (Chuckwalla Valley road) near Tower 2574.
Level 1 #8	12/20/12	01/16/13	Substation	Request to export the excess excavation soil from Red Bluff Substation to a local approved disposal site.
Level 1 #9	01/18/13	02/04/13	Substation	Request to use Gravel Pit Road to access pole installation locations east of TL tower M123-T1 for the SE Telecom Route.
Level 1 #10	02/07/13	02/08/13	Substation	Request for a temporary work space for the Red Bluff Desert Center Telecom.
Level 1 #11	02/20/13	02/22/13	Substation	Request for a temporary work area at the Series Capacitor Site.
Level #1 #12	02/28/13	03/04/13	Substation	Request for two additional temporary work areas at the Series Capacitor Site for an underground conduit.
Level #1 #13	03/07/13	03/08/13	T/L	Request to use Gasline Road to Tower 2249 to avoid an active nest.
	04/23/13	Under Review	T/L	Request to use walking paths from Towers 1031 to 1035 on the Devers to Valley segment

TEWS Request	Date Requested	Date Approved	Segment	Description
<b>BLM Level 2A</b>				
Level 2A #1	09/20/12	09/24/12	T/L	Request for pull site revisions from Devers to Red Bluff.
Level 2A #2	10/04/12	10/05/12	T/L	Request for an access road to RB14 pull site near Red Bluff.
Level 2A #3	10/04/12	10/25/12	T/L	Request for additional disturbance area for pull sites and an access road near Red Bluff RB2-5E. Revised on 10/11/12 and 10/22/12.
Level 2A #4	10/05/12	10/10/12	T/L	Request to relocate two guard structures near Red Bluff.
Level 2A #5	10/10/12	10/10/12	T/L	Request for additional disturbance area at Tower RB1-2W in order to build the tower prior to the scheduled outage.
Level 2A #6	10/19/12	10/25/12	T/L	Request for temporary disturbance area shifts at wire sites, splice sites, pull sites, guard structures and access roads from CRS to RB.
Level 2A #7	10/19/12	10/25/12	T/L	Request for temporary disturbance area shifts at splice site 53 (near Tower 2535) and access road to Wire Site 69/Pull Site 70/54 (near tower 2540).
Level 2A #8	10/30/12	Awaiting revised request from SCE	T/L	Request additional disturbance area at Guard Sites GS05 and GS05A.
Level 2A #9	11/14/12	11/16/12	T/L	Request to shift Fiber Optic Site 63.
Level 2A #10	11/09/12	11/16/12	T/L	Request for the shift of Wire Site No 73/Pull Site No 74/Splice Site No 58, Wire Site No 81/Pull Site No 82/ Splice Site No 65, and Wire Site No 83/Pull Site No 84/ Splice Site.
Level 2A #11	11/14/12	11/16/12	T/L	Request for the shift Splice Site 55, Access Rd to Splice Site No. 55, Guard Structures 126 and 127, and Pull Sites 71 and 72.
Level 2A #12	11/19/12	11/28/12	T/L	Request to widen Guard Structures CRD-GS132, CRD-GS133, CRD-GS137, CRD-GS138, and CRD-GS138A (Pull Site 78, Wire Site 77).
Level 2A #13	11/28/12	12/05/12	T/L	Request to revise pull sites from Devers to Red Bluff (Pull Site Revision III-A).
Level 2A #14	12/05/12	12/11/12	T/L	Request to expand Splice Site 40
Level 2A #15	01/07/13	01/10/13	T/L	Request to shift guard structures from Red Bluff to Devers (Minor Modification).
Level 2A #16	01/31/13	02/13/13	T/L	Request to shift Devers to Valley Pulls 103 for Towers 1014-1016.
Level 2A #17	04/01/13	04/03/13	Substation	Request a work area for the Red Bluff Telecommunication Manhole.

## NON-COMPLIANCES & INCIDENTS

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

**TABLE 4**  
**CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA**  
 (Updated 4/25/13)

Type	Date Issued	Location	Description
<b>CPUC Project Memoranda (PM)</b>			
PM #1	10/28/11	CRS Dist. Line	Construction vehicles leaving marked disturbance limits at two locations along CRS distribution line.
PM #2	01/18/12	Tower 2649/ CR1-2W	DPV2 Construction contractor vehicle driving outside of the approved tower and access road disturbance area limits.
PM #3	03/08/12	Tower 1059 & 1060	Failure to comply with MM B-5 which requires that 300-foot buffers are established around active bird nests. Working within unapproved active nest buffers.
PM #4	04/04/12	Tower 2515, 2520, & 2526	Impacts to desert pavement at Towers 2520 and 2526 by not implementing one of the approved methods stated in the revised Desert Pavement Plan. Impacts to desert tortoise habitat when a road was built near Tower 2515 that was not approved.
PM #5	04/18/12	Along the main access road near Red Bluff	Excessive fugitive dust observed on multiple locations along the main access road near Red Bluff Substation. Violation of MM AQ-1a.
PM #6	05/08/12	Along the T/L access roads	Construction vehicles observed driving off the approved access road limits at various locations along the T/L.
PM #7	06/01/12	Near Tower 2317	Two stand tanks were installed in an area that was not approved for the Project along the access road near Tower 2317.
PM #8	06/01/12	Along the access road near Tower 2310	Road base was installed along a portion of the access road to protect the utility crossing south of Tower 2310. This work was completed prior to the pre-construction verification and release of this road from the CPUC.
PM #9	06/19/12	Tower 2126	Inadequate covering of foundation excavations at Tower 2126. Violation of BO-13.
PM #10	09/21/12	Tower 1037	Work occurred at Tower 1037 without the Fire Patrol Representative on site, a requirement on the Fire Plan.
PM #11	12/05/12	Tower 1070	Excessive Fugitive Dust during Helicopter Picks at Tower 1070. Violation of MM AQ-1a and the Fugitive Dust Emission Control Plan.
PM #12	03/19/13	Towers 1001 and 1077	Construction work occurring prior to a biological monitor present at Towers 1001 and 1077.
PM #13	03/21/12	Various Locations along the T/L	Helicopter construction operations occurring within ESA nest buffers.
<b>CPUC Non-Compliance Reports (NCR)</b>			
NCR #1	01/13/12	Project-wide	Unapproved removal of stick nests from DPV1 Transmission Line towers.

Type	Date Issued	Location	Description
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.
NCR #13	01/29/13	Access road to Tower 1130	Violation of the conditions of BLM Variance Approval #6, which stated no road improvement to the existing road could be made. Road improvements were conducted on 01/19/13.
NCR #14	03/19/13	Tower 1078	Construction work occurring within an ESA buffer near Tower 1078, which is a violation to Mitigation Measure B-5a.
NCR #15	03/21/13	Guard Structure Sites near Towers 1001 and 1003	Construction work occurring outside the approved work area limits at the Guard Structure Sites near Tower 1001 and 1003.

## CONSTRUCTION PROGRESS

Table 5 provides a summary of transmission line construction progress.

**TABLE 5**  
**CONSTRUCTION PROGRESS STATUS**  
(As of 04/20/13)

	Agency	Number of Towers	Towers Released for Construction	Tower Foundations Completed	Towers Erected	Primary Wire Installed (per tower)	OHWG/OPGW Installed (per tower)
CRS-Devers	Non Federal (CPUC)	208	208	208	208	208	208
	Bureau of Land Management (BLM)	197	197	197	197	197	197
	US Forest Service (SBNF)	N/A	N/A	N/A	N/A	N/A	N/A
	Sub Total	405	405	405	405	405	405
	% Complete	N/A	100%	100%	100%	100%	100%
Devers-Valley	Non Federal (CPUC)	138	138	138	114	23	23
	Bureau of Land Management (BLM)	11	11	10	10	0	0
	US Forest Service (SBNF)	12	12	12	7	0	0
	Sub Total	161	161	160	131	23	23
	% Complete	N/A	100%	99%	81%	14%	14%
Total Project	Non Federal (CPUC)	346	346	341	322	231	231
	Bureau of Land Management (BLM)	208	208	207	207	197	197
	US Forest Service (SBNF)	12	12	12	7	0	0
	Total	566	566	565	536	428	428
	% Complete	N/A	100%	99%	95%	76%	76%

## PROJECT PHOTOGRAPHS



Figure 1. Installation of Guard Poles at GS12 next to HWY 62.



Figure 2. Site clearing at Wire Site 36 near Tower 1101.



Figure 3. Tower assembly at Tower 1130.



Figure 4. A truck and trailer staged in an unapproved area near Tower 1094.



Figure 5. Minor scarring as a result of the OPGW breaking loose between Towers 2265 and 2305.



Figure 6. Steel erection of the telecomm tower at Red Bluff Substation.



Figure 7. Transmission line bypass jumper installation at the Series Capacitor.