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**PROJECT MEMORANDUM
SCE DPV2 TRANSMISSION PROJECT**

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: July 17, 2013
Subject: Weekly Report 101, June 17 to June 23, 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
 - Conductor spacers were installed between Towers RB1-1E and RB1-2E.
3. Devers Substation to Valley Substation

Non-USFS Land

- Installation of BMPs occurred at Pull Site 51, Wire Sites 24 and 48, and Helicopter Landing Zone (HLZ) H2A expansion area.
- Maintenance of BMPs occurred at Towers 1063, 1064, 1082, 1100 and GS90.
- Site clearing activities occurred at GS87, GS87A, and HLZ H2A expansion area.
- Maintenance grading of the right-of-way (ROW) access road occurred between Towers 1063/R3 and 1064/R4.
- Permanent helicopter landing platform foundation activities occurred at Tower 1032.
- Guard Pole installation occurred at Guard Structures 54, 58, 61, 97B, 100 and 101.
- Wire stringing activities were conducted between Towers 1075 through 1094, 1153 through 1157, and at associated wire stringing locations (see Figure 1).



- Site stabilization activities, including BMP removal, recontouring, and topsoil replacement were conducted at Towers 1061/R1, 1063/R3 and 1064/R4, Pull Site R2, M16-T1 Pull Site, Wire Site 25, Salvage Rewind Site M15-T1, Snub Site M14-T4, and Reel Site 16.
- Low-intensity QA/QC work occurred at Towers 1001, 1005, 1006, 1052, 1070, 1074, 1092, 1102, 1103, 1107 through 1109, 1112, 1113, 1128, and 1152 (see Figure 2).
- Telecomm splicing work occurred at Towers 1002, 1010, and 1015 (see Figure 3).

USFS Land

- Permanent helicopter landing platform foundation activities occurred at Towers 1044, 1045, 1047, and 1048.
- Permanent platform assembly and installation occurred at Towers 1037, 1043, and 1045 through 1048(see Figure 4).

Environmental Compliance

- 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 one site that required maintenance to BMPs that were subsequently added to the list.
- There were two incidents recorded of track-out occurring at two different locations along the ROW. The first was noted by the CPUC LEM on the road adjacent to Tower 1078 and the other was observed by the SCE General Monitor near Tower 1053. The SCE General Monitor informed the contractor's environmental team and the track out was taken care of near Tower 1078. SCE has not provided the CPUC with a resolution to the track out near Tower 1053.
- On June 17, a PAR crew conducted work associated with Towers RB1-1E and RB1-2E without the required biological surveys being performed. All work was conducted by helicopter and no ground disturbance occurred. To date, SCE has not provided the CPUC with information detailing how this specific incident was resolved.
- On June 18, a grout spill occurred at the permanent landing platform site for Tower 1045 (see Figure 5). The hopper valve jammed while the crew was disassembling the hopper from the pump. One crew member immediately attempted to stop the grout from leaking out of the hopper while another crew member built a berm to keep the grout from continuing to flow unhindered. The area the grout covered was 8ft x 3ft and did not pass beyond the disturbance area boundary. The crew called in for a trash crate and cleaned the spill as much as possible before the site was winded out and everyone had to leave. Upon return to the site the spill was completely cleaned up and photo documented.
- On June 19, the onsite Biological Monitor observed a contractor Foreman driving his work truck off the ROW on the north side of the access road leading to the HLZ H2A expansion area. The area of disturbance is approximately 5 feet wide and 60 feet long (see Figure 6). No sensitive vegetation was crushed, as the area is dominated by non-native grasses.
- On June 20, the CPUC EM observed, along with the onsite Biological Monitor, three separate incidents of crews driving outside of the approved project limits adjacent to Wire Site 28 (near Tower 1075) (see Figure 7). The Biological Monitor informed the CPUC EM that he would speak with the crew and the Foreman. The CPUC EM sent photos and informed the SCE Environmental Coordinator (EC). The next day the CPUC EM observed staking was installed along the area the impacts occurred to prevent crews from driving off the road.
- On June 20, the onsite Biological Monitor observed an equipment operator heavily damaged a Cholla two feet outside of the disturbance area on the east side of the HLZ H2A expansion area (see Figure 8). The Cholla contained an old stick nest as well as an older globular cactus wren nest that were both documented as inactive prior to the start of construction activities. The Cholla was uprooted; the root system was broken. The operator did not notify the onsite Biological Monitor that he needed to clear vegetation outside of the disturbance area.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for transmission line construction 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 installation of electrical components, electrical work within the MEER and T&M buildings, tertiary reactor and load bank work, erection of tubular steel poles (TSP), installation of interior road base, interior substation paving, excavation of set vaults, cable pulling, equipment maintenance, and general clean-up.
2. Southeast (SE) Telecomm Line (BLM and Private Lands) – No construction activities occurred during the subject period.
3. Desert Center Telecomm Site (BLM and Private Lands) – No construction activities occurred during the subject period.
4. Red Bluff Substation (BLM Lands) – Activities that were conducted at the Red Bluff site included testing of energized areas, concrete pouring of driveway and construction associated with the interior access road, trenching for permanent water source, electrical work within the MEER building, foundation drilling, form setting, road lighting, and general clean-up (see Figure 9).
5. Chuckwalla Telecomm Site (BLM Lands) – No activities occurred during the subject period.
6. Series Capacitor (BLM Lands) – Activities that were conducted during the subject period included construction associated with the capacitor and MEER building, wire pulling, foundation excavation, platform installation, and grounding well construction (see Figure 10).
7. Mirage Substation Loop-ins (Private Lands) – No construction activities occurred during the subject period.
8. Devers Substation (Private Lands) – No construction activities occurred during the subject period.
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 no reported mortalities of Mojave fringed-toed lizards along the CRS access road during the subject period.
- There was one incident associated with construction vehicles traveling in excess of posted project speed limits on the Red Bluff access road reported 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) – No construction activities were conducted during the subject period. The process of closing out this yard is pending.

Desert Center 1 Yard (Material Yard) – Crews have demobilized from the yard. This yard has been turned back over to the property owner.

Desert Center 2 Yard (Material Yard/Contractor Show-Up Yard) – Crews have demobilized from the yard. This yard has been turned back over to the property owner.

Chiriaco Summit Yard (Material Yard) – No construction activities were conducted during the subject period. The process of closing out this yard is pending.

Indio Yard (Material Yard) – Crews have demobilized from the yard. This yard has been turned back over to the property owner.

Indio 2 Yard (Material Yard) – Crews have demobilized from the yard. This yard has been turned back over to the property owner.

Devers Yard (Material Yard) – Activities are limited to minor maintenance, implementation of BMPs, temporary storage of construction equipment and materials, and worker vehicle parking.

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 1 Yard (Material Yard) – No construction activities were conducted at this yard during the subject time period. This yard has been turned back over to the property owner.

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 7/17/13)

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
CPUC NTPs				
NTP #1	04/28/11	06/23/11	Yards	Authorization to proceed with the development of the Devers, Desert Center 1, Desert Center 2, Summit, Blythe, Perris, Beaumont, and Menifee Construction Yards.
NTP #2	08/05/11	09/09/11	T/L	Installation of exclusionary fencing, Devers to Blythe. No cultural resources affected. Bio pending.
NTP #3	08/26/11	09/19/11	Yards	Construction of Beaumont Construction Yard #2.
NTP #4	09/09/11	09/20/11	Yards	Construction of Indio Construction Yard.
NTP #5	09/16/11	10/11/11	Red Bluff Distribution Line	Upgrades to a segment of the existing SCE 12 kV circuit overhead distribution line to supply light and power to the Red Bluff Substation, non-BLM lands.
NTP #6	09/16/11	10/17/11	Substation	Authorization to proceed with improvements to the new Colorado River Substation on private lands, including extension of the existing 33 kV distribution line, installation of a new telecommunication line, and access road improvements.
NTP #7	09/09/11	12/01/11	T/L – DPV1	Construction activities associated with a minor relocation of the Devers-Valley No. 1 Line (DV1).
NTP #8	10/08/11	12/02/11	T/L – CRS to Red Bluff	Construction of the DPV2 transmission line between Red Bluff and Colorado River Substations and replacement of existing DPV1 overhead ground wire; non-BLM lands.
NTP #9	10/08/11	12/02/11	T/L – Devers to Red Bluff	Construction of the DPV2 transmission line between the existing Devers Substation and the new Red Bluff Substation; non-BLM lands.
NTP #10	10/08/11	12/02/11	T/L – Devers to Valley	Construction of the DPV2 transmission line between existing Devers and Valley Substations; not including San Bernardino National Forest lands.
NTP #11	11/08/11	12/10/11	Yards	Construction of Devers 2 and Indio 2 Construction Yards.
NTP #12	01/20/12	02/03/12	Yards	Construction of Desert Center 3 Construction Yard.
NTP #13	04/12/12	05/09/11	Substation	Devers Substation upgrades
NTP #14	06/13/12	06/20/12	Substation	Valley Substation upgrades
—	06/19/12	Retracted	T/L- Devers to Valley	H10- Helicopter Landing Zone
NTP #15	07/16/12	11/15/12	Substation	Colorado River Substation to Blythe South East Telecommunication Route
NTP #16	11/07/12	12/03/12	Substation	Mirage loop in.
BLM NTPs				

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
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 and DNA Requests submitted to CPUC, BLM and/or USFS for review and approval. Table 3 presents CPUC Temporary Extra Workspace (TEWS) and BLM Level 1/2A requests that are submitted to the CPUC EMs for review and approval.

TABLE 2
VARIANCE REQUESTS
(Updated 7/17/13)

Variance Request	Date Requested	Date Issued	Segment	Description
Private Lands (CPUC Jurisdiction)				
VR #1	05/06/11	05/24/11	Devers-Valley	Construction of traditional lattice towers instead of "Tetra" towers at two locations (Structures #1139 and #1140)
VR #2	04/21/11	05/26/11	All	Revisions to Mitigation Measure B-7d pertaining to seasonal restrictions for Coachella Valley fringe-toed lizard and flat-tailed horned lizard to support consistency with conditions provided in the Biological Opinion.
VR #3	07/12/11	07/18/11	DC 1 & DC 2 Yards	Utilize offsite well location and installation of 12,000-gallon water tank for filling trucks.
VR #4	07/06/11	07/21/11	Menifee Yard	Expansion of Menifee Construction Yard, which would include approximately 5 acres of additional disturbance within the western portion of the parcel, for material storage and other activities.
VR #5	04/22/11	07/28/11	CRS Devers and Valley Substations, Series Capacitor Site	Modification of APM A-7 regarding carpooling for construction at substations.
VR #6	07/07/11	08/01/11	Menifee, Beaumont, Perris Yards	Request to remove Mitigation Measures B-13a and B-13b, and to modify B-1a, B-1a (revised), and B-7e pertaining to Western Riverside County MSHCP compliance.
VR #7	08/11/11	08/22/11	Perris, Beaumont, Menifee, Blythe Yards	Request to utilize offsite water hydrants at Perris, Beaumont, Menifee, and Blythe Construction Yards.
VR #8	08/26/11	08/27/11	Beaumont Yard	Request to install seeded jute netting along the property frontage at Beaumont Construction Yard.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #9	08/24/11	09/01/11	DC 2 Yard	Request for installation of temporary power poles outside of Desert Center 2 Construction Yard.
VR #10	08/26/11	09/01/11	Devers & Summit Yards	Utilize offsite water locations needed for dust suppression at Devers and Summit Construction Yards.
—	09/21/11	Retracted	Perris Yard	Request for additional workspace involving vegetation clearing, installation of BMPs, and temporary driveway installation at Perris Construction Yard.
VR #11	09/26/11	09/28/11	T/L	Two water sources for exclusionary fencing work.
VR #12	10/13/11	10/18/11	T/L	Request for parking/temporary staging of vehicles along existing access road within the Coachella Valley Preserve during exclusionary fencing activities.
VR #13	10/26/11	11/10/11	Devers Yard	Request for temporary power supply to provide power to construction trailer at the Devers #1 Construction Yard.
VR #14	11/10/11	11/28/11	Substation	Request for increased well pumping to support civil work, including access road improvements, at Colorado River Substation.
VR #15	12/13/11	12/14/11	Summit Yard	Request for temporary power outside yard boundaries required to power office trailers.
VR #15 Mod	04/25/12	05/02/12	Summit Yard	Request for temporary power modification.
VR #16	12/22/11	01/04/12	Project-wide	Request to approve alternate/extended work hours project-wide.
VR #17	01/04/12	01/09/12	Project-wide	Request to utilize existing approved construction yard and/or exclusionary fencing water sources for transmission line construction needs.
VR #18	10/25/12 10/26/12	Denied 01/13/12	Substation	Request to formalize changes to the Red Bluff MMCRP Mitigation Measure BIO-4 and Applicant Measure BIO-5.
VR #19	01/06/12	01/18/12	T/L	Request to allow the usage of helicopter landing zone H9-DV as a replacement for H8-DV.
VR #20	01/13/12	01/19/12	T/L	Request for the use of offsite water hydrants located in the Cabazon area for dust suppression.
VR#21	01/20/12	02/02/12	T/L	Request for the use of offsite water hydrants located in the Lake Tamarisk area for dust suppression
VR #21 Mod	03/16/12	03/21/12	T/L	Modification to VR #21. Request installation of two driveways and an underground water line adjacent to the approved stand tank locations at the Lake Tamarisk Resort water source.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #22	01/25/12	02/02/12	T/L	Request to install 10,000-gallon standing water tanks at three locations.
VR #23	01/27/12	02/21/12	T/L	Request to modify NTP #10 and MM AQ-1g for additional t-line helicopter construction.
VR #24	02/08/12	02/21/12	T/L	Request for approval to purchase MWD water credits in lieu of Colorado River water credits due to the unavailability of water allotments within the Colorado River Basin.
VR #25	02/10/12	02/28/12	T/L	Request for use of existing DPV1 access roads and spur/stub roads for parking and staging of vehicles and equipment.
VR #26	03/09/12	03/16/12	Substation	Request for the use of offsite water source located on a private date farm.
VR #27	03/09/12	03/20/12	Substation	Request for the use of offsite water source located off Corn Springs Road.
VR #28	03/22/12	03/30/12	T/L	DPV2 Gas Line Road.
VR #29	03/22/12	04/04/12	T/L	DVP1 minor relocation of outage pull sites.
VR #30	03/23/12	04/10/12	Substation	CRS pull sites.
VR #31	04/24/12	05/05/12	T/L	Helicopter landing zone H2 disturbance area revision
VR #32	03/16/12	05/08/12	T/L	HLS H7-DV boundary modification.
VR #33	04/26/12	05/17/12	T/L	Additional water hydrant locations
VR #35	05/11/12	05/15/12	Substation	Request to eliminate construction screening of the Devers Substation Expansion area.
VR #36	05/17/12	05/29/12	T/L	Three additional water stand tanks from Devers to Red Bluff
VR #37	06/20/12	06/30/12	T/L	Request a disturbance area shift for Tower 1013 due to engineering changes.
VR #38	08/09/12 Revised	08/21/12	T/L	Request for additional water source locations in the Thousand Palms area.
VR #39	08/14/12	09/05/12	T/L	Request for additional access road use near Towers 2103, 2112, and 2260.
VR #40	08/22/12	09/11/12	T/L	Request for the use of an existing spur road to Tower 2242.
VR #41	09/10/12	09/12/12	T/L	Request for the use of additional access routes to Towers 1118-1122 and HLZ H9. These roads were previously approved through the TEWS process.
—	04/12/12	Retracted	T/L	Preconstruction survey extension request from 14 days to 30 days. Petition for Modification required.
—	08/09/12 revised	Retracted	T/L	APM A-6 - Eliminate tarping on bottom dump trucks. Petition for Modification required.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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.
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	04/04/13	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.

Variance Request	Date Requested	Date Issued	Segment	Description
VR #81	04/23/13	04/29/13	T/L	Request for Disturbance Area Adjustments at GS89A and GS89B on the Devers to Valley segment.
VR #82	04/23/13	05/02/13	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.
VR #83	05/02/13	05/08/13	T/L	Modification of the temporary disturbance areas for Guard Structures DV-GS92, DV-GS97 and DV-GS100A, Devers to Valley segment.
VR #84	05/08/13	05/14/13	T/L	Request to expand HLZ H2A to support the installation of the permanent helicopter platforms on the north side of the DPV1 line.
VR #85	03/11/13 Revised on 05/14/13	05/15/13	T/L	Request for the following yards (Beaumont 1, Perris, Devers, Indio 1 and Desert Center 2) to stay as permanent construction yards. The revised request is for the Beaumont 1, Perris, Indio 1, Desert Center 1 and Desert Center 2 yards to stay as permanent construction yards.
VR #86	05/29/13	05/30/13	T/L	Request authorization to use the existing southbound turnout off Highway 79.
VR #87	06/06/13	06/06/13	T/L	Request to extend guard structure site 54 near Tower 1084.
VR #88	06/11/13	06/12/13	T/L	Request to shift guard structure site 54 (approved in VR #87) due to an active bird nest.
VR #89	06/14/13	06/19/13	T/L	Request to expand guard structure site 89B near Tower 1147.
VR #90	06/14/13	06/20/13	T/L	Request to modify guard structure sites 56 and 57 near Valley Substation.
	07/11/13	Under Review	T/L	Request access roads to Guard Structure sites DV-GS76B, DV-GS77, and DV-GS80.
	07/15/13	Under Review	T/L	Request to use an access road by Tower 1137 for fiber reel site 38Alt on Pull 15.
BLM				
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.

Variance Request	Date Requested	Date Issued	Segment	Description
DNA #1	10/27/11	12/07/11	Series Capacitor	Request for a slight expansion of the Series Capacitor site due to engineering conflicts.
DNA #2	12/21/11	02/01/12	Red Bluff	Request to install secondary well at Red Bluff Substation site.
DNA #3	12/22/11	05/24/12	Series Capacitor	Request to relocate a portion of the Imperial Irrigation District distribution line located at the Series Capacitor site.
DNA #4	02/01/12	05/24/12	T/L	Request for the addition of proposed helicopter construction and maintenance platforms to the description included in the Project Refinements 1 and 2 documents.
DNA #5	03/05/12	05/22/12	Red Bluff Loop-ins	Request to revise road locations.
DNA #6	04/04/12	04/17/12	Substation	Red Bluff Substation access road realignment.
DNA #7	04/12/12	05/22/12	Series Capacitor	Certain activities to be constructed within the footprint of the Series Capacitor bank.
DNA #8	05/02/12	07/31/12	T/L	Additional access route between Towers 2528X and 2527.
DNA #9	05/19/12	06/15/12	CRS	Request for a permanent turning radius along the CRS access road.
DNA #9	06/04/12	06/15/12	CRS	300-foot driveway along the CRS access road.
DNA #11	07/02/12	07/31/12	T/L	A Level 2 Variance request for a disturbance area shift at Tower 1013 due to engineering changes. This tower is located on BLM land.
—	07/24/12	Retracted	T/L	APM A-6 - Eliminate tarping on bottom dump trucks.
BLM #9	04/04/12	09/21/12	T/L	Request for a HLZ and temporary disturbance area shifts near CRS.
DNA #10	06/18/12	09/25/12	Substation	Request to build a telecom site near Desert Center for Red Bluff Substation.
DNA #12	07/30/12	09/26/12	Substation	DNA for Colorado River Substation Telecommunication Distribution Line.
BLM #10	10/24/12	11/20/12	T/L	Request to construct Tower 2413 using both conventional and helicopter construction methods.
USFS				
USFS-1	03/15/12	03/20/12	T/L	SBNF engineering modifications (revised disturbance areas).

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 7/17/13)

TEWS Request	Date Requested	Date Approved	Segment	Description
CPUC				
#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.
#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.
#11	05/22/13	05/24/13	T/L	Request to use an area off the northbound side of Highway 79 as a turnout.
#12	05/23/13	05/24/13	T/L	Request to use an existing northbound turnout off Highway 79.
#13	05/29/13	05/29/13	T/L	Request to extend Wire Site 28 near Tower 1075.
#14	05/29/13	05/29/13	T/L	Request to use an existing access road to stage sleeving equipment to conduct sleeving operations.
#15	06/10/13	06/11/13	T/L	Request to use an existing access road to conduct sleeving operations between Towers 1110 and 1111.
#16	06/10/13	06/11/13	T/L	Request to use an existing road to access Guard Structure 58 near Tower 1088.
#17	06/19/13	06/19/13	T/L	Request to extend guard structure 96 near Tower 1152.

TEWS Request	Date Requested	Date Approved	Segment	Description
#18	06/19/13 06/21/13	Retracted 06/21/13	T/L	Request to extend pull site 51 near Valley Sub. Requested area is located adjacent to a Jurisdictional drainage, therefore this request cannot be processed as a TEWS, but rather a variance. A revised request to extend the pull site and to exclude the area near the drainage.
#19	06/24/13	06/25/13	T/L	Request to extend Guard Structure 62A near Tower 1090.
#20	06/26/13	Retracted	T/L	Request to use a disturbed area near Guard Structure 60 near Tower 1089. This site was used prior to the request and SCE determined after using the site, it was no longer needed.
#21	06/27/13	06/27/13	T/L	Request to conduct splicing operations on an existing road by Tower 1097.
#22	07/01/13	07/02/13	T/L	Request to extend Guard Structure 94 near Tower 1152.
#23	07/03/13	07/09/13	T/L	Request to use a disturbed road near Tower 1129 to conduct sleeving operations for wire stringing.
BLM Level 1				
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.

TEWS Request	Date Requested	Date Approved	Segment	Description
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.
Level #1 #14	04/23/13	04/30/13	T/L	Request to use walking paths from Towers 1031 to 1035 on the Devers to Valley segment
Level #1 #15	04/30/13	05/02/13	T/L	Request to use a drive and crush road to access the Red Bluff Telecommunication manhole.
Level #1 #6	05/17/13	05/20/13	T/L	Request to use an access road between Towers 1057 and 1058 for splicing activities.
Level # 1 #7	05/21/13	05/23/13	T/L	Request for an additional Pull Site disturbance area near Red Bluff Substation.
Level 1 #8	07/09/13	07/10/13	Substation	Request to be able to deploy armed security guards at Red Bluff Substation.
BLM Level 2A				
Level 2A #1	09/20/12	09/24/12	T/L	Request for pull site revisions from Devers to Red Bluff.
Level 2A #2	10/04/12	10/05/12	T/L	Request for an access road to RB14 pull site near Red Bluff.
Level 2A #3	10/04/12	10/25/12	T/L	Request for additional disturbance area for pull sites and an access road near Red Bluff RB2-5E. Revised on 10/11/12 and 10/22/12.
Level 2A #4	10/05/12	10/10/12	T/L	Request to relocate two guard structures near Red Bluff.
Level 2A #5	10/10/12	10/10/12	T/L	Request for additional disturbance area at Tower RB1-2W in order to build the tower prior to the scheduled outage.
Level 2A #6	10/19/12	10/25/12	T/L	Request for temporary disturbance area shifts at wire sites, splice sites, pull sites, guard structures and access roads from CRS to RB.
Level 2A #7	10/19/12	10/25/12	T/L	Request for temporary disturbance area shifts at splice site 53 (near Tower 2535) and access road to Wire Site 69/Pull Site 70/54 (near tower 2540).
Level 2A #8	10/30/12	Awaiting revised request from SCE	T/L	Request additional disturbance area at Guard Sites GS05 and GS05A.
Level 2A #9	11/14/12	11/16/12	T/L	Request to shift Fiber Optic Site 63.
Level 2A #10	11/09/12	11/16/12	T/L	Request for the shift of Wire Site No 73/Pull Site No 74/Splice Site No 58, Wire Site No 81/Pull Site No 82/ Splice Site No 65, and Wire Site No 83/Pull Site No 84/ Splice Site.

TEWS Request	Date Requested	Date Approved	Segment	Description
Level 2A #11	11/14/12	11/16/12	T/L	Request for the shift Splice Site 55, Access Rd to Splice Site No. 55, Guard Structures 126 and 127, and Pull Sites 71 and 72.
Level 2A #12	11/19/12	11/28/12	T/L	Request to widen Guard Structures CRD-GS132, CRD-GS133, CRD-GS137, CRD-GS138, and CRD-GS138A (Pull Site 78, Wire Site 77).
Level 2A #13	11/28/12	12/05/12	T/L	Request to revise pull sites from Devers to Red Bluff (Pull Site Revision III-A).
Level 2A #14	12/05/12	12/11/12	T/L	Request to expand Splice Site 40
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 7/17/13)

Type	Date Issued	Location	Description
CPUC Project Memoranda (PM)			
PM #1	10/28/11	CRS Dist. Line	Construction vehicles leaving marked disturbance limits at two locations along CRS distribution line.
PM #2	01/18/12	Tower 2649/ CR1-2W	DPV2 Construction contractor vehicle driving outside of the approved tower and access road disturbance area limits.
PM #3	03/08/12	Tower 1059 & 1060	Failure to comply with MM B-5 which requires that 300-foot buffers are established around active bird nests. Working within unapproved active nest buffers.
PM #4	04/04/12	Tower 2515, 2520, & 2526	Impacts to desert pavement at Towers 2520 and 2526 by not implementing one of the approved methods stated in the revised Desert Pavement Plan. Impacts to desert tortoise habitat when a road was built near Tower 2515 that was not approved.
PM #5	04/18/12	Along the main access road near Red Bluff	Excessive fugitive dust observed on multiple locations along the main access road near Red Bluff Substation. Violation of MM AQ-1a.
PM #6	05/08/12	Along the T/L access roads	Construction vehicles observed driving off the approved access road limits at various locations along the T/L.
PM #7	06/01/12	Near Tower 2317	Two stand tanks were installed in an area that was not approved for the Project along the access road near Tower 2317.

Type	Date Issued	Location	Description
PM #8	06/01/12	Along the access road near Tower 2310	Road base was installed along a portion of the access road to protect the utility crossing south of Tower 2310. This work was completed prior to the pre-construction verification and release of this road from the CPUC.
PM #9	06/19/12	Tower 2126	Inadequate covering of foundation excavations at Tower 2126. Violation of BO-13.
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.
CPUC Non-Compliance Reports (NCR)			
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.

Type	Date Issued	Location	Description
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.
NCR #16	06/26/13	Near guard Structure 60 near Tower 1089	Construction work occurred in an unapproved area near Guard Structure 60 near Tower 1089.

CONSTRUCTION PROGRESS

Table 5 provides a summary of transmission line construction progress.

TABLE 5
CONSTRUCTION PROGRESS STATUS
(As of 07/13/13)

	Agency	Number of Towers	Towers Released for Construction	Tower Foundations Completed	Towers Erected	Primary Wire Installed (per tower)	OHGW/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	138	85	85
	Bureau of Land Management (BLM)	11	11	11	11	6	6
	US Forest Service (SBNF)	12	12	12	12	0	0
	Sub Total	161	161	161	161	91	91
	% Complete	N/A	100%	100%	100%	57%	57%
Total Project	Non Federal (CPUC)	346	346	346	346	293	293
	Bureau of Land Management (BLM)	208	208	208	208	203	203
	US Forest Service (SBNF)	12	12	12	12	0	0
	Total	566	566	566	566	496	496
	% Complete	N/A	100%	100%	100%	88%	88%

PROJECT PHOTOGRAPHS



Figure 1. Wire pulling activities occurring at Pull Site 51 near Towers 1156 and 1157.



Figure 2. Low-intensity QA/QC activities (leg painting) at Tower 1152.



Figure 3. Telecomm splicing activities at Tower 1010.



Figure 4. Permanent platform installation activities at Tower 1045
(Photo courtesy of FRED).



Figure 5. Grout spill at Tower 1045.



Figure 6. Tire tracks from vehicle driving off the access road near the HLZ H2A expansion area.



Figure 7. Photo shows two vehicles (left side of photo) outside of the approved access road limits near Wire Site 28.



Figure 8. Damage to a Cholla outside of the disturbance area for the HLZ H2A expansion area.



Figure 9. Setting forms and pouring concrete at the Red Bluff Substation entrance.



Figure 10. Construction activities at the Series Capacitor site.