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PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: September 6, 2012
Subject: Weekly Report 56, August 6 to August 12, 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, and Scott Debauche

TRANSMISSION LINE CONSTRUCTION

Summary of Activity

1. Colorado River Substation (CRS) to Red Bluff Substation
 - Vegetation clearing occurred at Towers 2637, 2638, 2639, 2640, and 2641.
 - Tower foundation drilling activities occurred at Towers 2564, 2565, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2620, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, and 2632.
 - Tower foundation concrete pouring activities occurred at Towers 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2577, 2600, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, and 2630.
 - Tower assembly and/or steel deliveries occurred at Tower 2534.
 - Wire stringing activities occurred at Towers 2653 and CR1-3E.
 - Road maintenance activities were conducted along the right-of-way (ROW) access road between Towers 2550 and 2574.
2. Red Bluff Substation to Devers Substation
 - Installation of BMPs occurred at Towers 2257, 2261, 2305, 2312, and 2340.
 - BMP maintenance occurred at Towers 2103, 2114, 2124, 2126, 2204, 2226-2241, 2304, 2327-2411, 2421, and 2510-2532.



- Vegetation clearing occurred at Towers 2261, 2305, 2312, 2339, 2340, 2414, 2417, 2418, 2419, and 2450.
- Spur road and crane pad grading occurred at Towers 2225X, 2242, 2244, 2250, 2252, 2255, 2257, 2259, 2261, 2265, 2303, 2305, 2312, 2325, 2326X, 2339, 2340, and 2414 (see Figure 1).
- Tower foundation drilling activities occurred at Towers 2256, 2257, 2261X, 2263, 2264, 2265ALTX, 2267, 2268, 2300, 2301, 2303, 2304, 2305, 2455, 2456, 2500, 2501, and 2525.
- Tower foundation concrete pouring activities occurred at Towers 2256, 2259, 2261, 2262, 2263, 2266, 2267, 2268, 2300, 2301, 2303, 2304, 2306, 2454, 2455, 2456, 2500, 2501, 2502, 2503, 2504, 2505, 2620, and 2621.
- Tower assembly and/or steel deliveries occurred at Towers 2019, 2129, 2130, 2132, 2133, 2135, 2136, 2137, 2201, 2202, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2216, 2217, 2218, 2243, 2247, 2315, 2317, 2318, 2322, 2323, 2330, 2331, 2333, 2334, 2335, 2336, 2337, 2344, 2352, 2400, 2427, 2429, 2432, 2435, 2436, 2437, 2438, 2441, 2445, RB2-3E, and RB2-5E (see Figure 2).
- Road maintenance activities were conducted along the ROW access road between Towers 2400 and 2500 and at several locations along Gasline Road.
- Coachella Valley fringe-toed lizard exclusionary fencing was repaired at Tower 2126, 2129, and 2130.

3. Devers Substation to Valley Substation

Non-USFS Land

- Installation of BMPs occurred at Towers 1033, 1150, and 1151.
- Installation of perimeter fencing occurred at Helicopter Landing Zone (HLZ) H1X.
- Maintenance of BMPs occurred at Towers 1018, 1019, 1020, 1021, 1022, 1023, 1024, 1025, 1026, 1027, 1028, 1029, and 1030.
- Vegetation clearing occurred at Towers 1049, 1094, 1097, 1136, 1138, 1139, and 1140.
- Spur road and crane pad grading occurred at Towers 1056, 1138, and 1140 (see Figure 3).
- Rock clearing and tower foundation preparation occurred at Towers 1032 and 1033 (see Figure 4).
- Access road repairs occurred near Towers 1133 to 1140 and along the ROW and Polly Road.
- Stephen's kangaroo rat exclusionary fencing was installed at Tower 1100 (see Figure 5).

USFS Land

- Vegetation clearing occurred at Tower 1043.
- The Temporary Landing Platform at Tower 1043 was relocated to an area just east of the permanent landing platform location (see Figure 6).

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.
- A Stephen's kangaroo rat Qualified Biologist was present during the installation of exclusionary fencing at Tower 1100.

- Four incidents associated with driving outside of approved project disturbance limits were reported during the subject period.
 - Multiple vehicle tracks were observed outside of project disturbance limits by the CPUC EM, the SCE General Monitor, and the Kenny Construction Coordinator along the access road between Towers 2618 and 2619 (see Figure 7). Additional staking and construction fencing were installed to prevent further driving off the road at this location.
 - The SCE Field Contact Representative (FCR) observed tracks outside the approved stub road limits to Tower 2255. The FCR did not observe the piece of equipment that caused the tracks, but it is presumed to be project related since no other construction using tracked equipment is occurring in the area.
 - A concrete pump truck was observed driving in excessive speeds near Tower 2323. The SCE General Monitor informed the driver to slow down as he passed him. That same pump truck continued driving toward an oncoming concrete delivery truck. The pump truck drove off the approved access road near Tower 2324 to pass the concrete delivery truck. The SCE General Monitor informed the pump truck manager of the incident and the manager stated that driver would no longer be working on the project.
 - During a steel delivery at Tower 2330, a forklift operator drove off the approved access road onto an unapproved area to let another vehicle pass. The SCE Biological monitor explained to the driver of the forklift that driving off the approved access road is a non-compliance and that he should have driven to an approved location to let the other vehicle pass.
- During the subject period, one non-reportable hydraulic fluid spill occurred at the ROW entrance at Hayfield Road. Proper remedial efforts were implemented.
- There was one reported incident associated with driving on an unapproved road during the subject period. A concrete pump truck got stuck in a wash along an unapproved access road near Tower 2304 (see Figure 8).
- There were two reported incidents associated with working without a Biological Monitor present during the subject period.
- There were four reported incidents associated with improper implementation of SWPPP conditions, including inadequate BMP maintenance/repairs, improper BMP installation, and overfilled concrete washout bins, during the subject time period.
- There was one reported incident of fugitive dust observed at HLZ H1X during the subject time period.
- On August 6, the SCE General Monitor reported that a crane was left idling for two hours before being used at Tower 2437. The same crane was also left idling for an hour while the construction crew broke for lunch. To date, SCE has not provided the CPUC with a resolution to this incident.
- On August 6, the onsite Biological Monitor at Tower 2211 observed a forklift run into and damage the Coachella Valley fringe-toed lizard exclusionary fencing. The equipment did not go outside of the approved disturbance limits. To this date, SCE has not provided the CPUC with whether or not the fence was repaired.
- On August 7, the CPUC EM observed the SCE Biological Monitor escorting the foundation drilling crew along the access road between Towers 2620 and 2625 (see Figure 9).
- On August 8, the SCE Biological Monitor reported that the tower assembly crew at Tower 2438 failed to inspect underneath vehicles before moving them, despite being reminded several times throughout the day.
- On August 9, the CPUC EM confirmed at Tower 1043 that the contractor was in compliance with the USFS Fire Plan and PAL D activity level. The CPUC EM also confirmed the Temporary Platform was relocated within the approved boundaries of the ROW.

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 associated with the development of the CRS site included excavating footings for the MEER building, trenching for grounding work, and finishing of the wall panels. Equipment and materials associated with the Package 2 construction phase continued to be mobilized and staged.
2. CRS Telecomm Line (BLM and Private Lands) – No major activities were conducted along the CRS telecomm line during the subject period.
3. Series Capacitor (BLM Lands) – Activities associated with the expansion of the existing Series Capacitor site included grounding well construction, foundation work, and relocation of the Imperial Irrigation District (IID) distribution line. Additionally, the SCE and IID distribution lines were connected. Steel delivery and erection of tower structures within the capacitor limits were initiated.
4. Red Bluff Substation (BLM Lands) – Activities that were conducted at the Red Bluff site included ongoing grading of cut and fill areas, installation of drainage structures, rock crushing of native fill, and erection of the perimeter wall. Well development, involving pumping of the well, continued throughout the subject period. Activities that were conducted along the primary access road between Corn Springs Road and the substation eastern entrance included grading, installation of gravel road base, and culvert and drainage improvements. Mobilization activities associated with the Package 2 construction phase continued. BMP installation and maintenance continued, as required.
5. Devers Substation (Private Lands) – Activities that were conducted for the Devers Substation expansion and upgrades included grading and soil import to the expansion area. Within the northern portion of the existing substation trenching to remove and replace the old waterline continued.
6. Valley Substation (Private Lands) – Activities included drilling and pouring concrete for the circuit breakers and disconnect switch foundations (see Figure 10).

Environmental Compliance

- SCE General, Biological, and Archeological Monitors were onsite, as appropriate, throughout all construction activities associated with CRS, the Red Bluff Substation, Devers Substation, Valley Substation, and the Series Capacitor sites.
- During the subject period, one non-reportable spills occurred at the Devers Substation. Proper remedial efforts were implemented.

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

Agency Representatives during Construction (Other than CPUC EMs):

None.

CONSTRUCTION YARDS AND OTHER WORKSPACES

Summary of Activity:

Non-Federal Lands:

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

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

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

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

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

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

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

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

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

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

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

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

Environmental Compliance:

- SCE Biological Monitors conducted biological sweeps at all construction yards throughout the subject period.
- During the subject period, two non-reportable spills occurred at the Chiriaco Summit and Beaumont 2 Yards. Proper remedial efforts were implemented.
- There were two incidents associated with proper disposal of trash and construction debris at the Chiriaco Summit Yard reported by SCE during the subject period.

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

Agency Representatives during Construction (Other than CPUC EMs):

None.

CPUC/BLM NOTICES TO PROCEED (NTPS)

Table 1 summarizes the CPUC/BLM Notices to Proceed (NTPs) for the DPV2 and Red Bluff Projects, to date.

TABLE 1
NTPs
(Updated 09/06/12)

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

NTP #/ Permit	Date Requested	Date Issued	Segment	Description
	06/19/12	Under Review	T/L- Devers to Valley	H10- Helicopter Landing Zone
	07/16/12	Under Review	Substation	Colorado River Substation to Blythe South East Telecommunication Route
BLM NTPs				
BLM NTP #1	08/26/11	09/19/11	DPV2 Substation, T/L	Authorization to proceed with construction of the DPV2 Transmission Line, Colorado River Substation, and associated project components on BLM lands.
BLM NTP #2	08/26/11	09/19/11	Substation	Construction of Red Bluff Substation and associated project components, BLM lands.

VARIANCE & TEMPORARY EXTRA WORKSPACE REQUESTS

Table 2 presents Variance Requests submitted to CPUC, BLM and/or USFS for review and approval. Table 3 presents CPUC Temporary Extra Workspace (TEWS) and BLM Level 1 requests that are submitted to the CPUC EMs for review and approval. Variance Requests and CPUC TEWS/BLM Level 1 requests submitted to date are summarized in Tables 2 and 3, respectively.

TABLE 2
VARIANCE REQUESTS
(Updated 09/06/12)

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.

Variance Request	Date Requested	Date Issued	Segment	Description
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.
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

Variance Request	Date Requested	Date Issued	Segment	Description
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 #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	To CPUC	T/L	Request for additional access road use near Towers 2103, 2112, and 2260.
—	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.
	08/14/12	Under Review	T/L	Request for a road to be used as a helicopter picking site near Tower 1031.
	08/14/12	Under Review	T/L	Request that Helicopter Landing Zones (HLZs) on Devers to Valley be exempt from construction screening MM V-1a.

Variance Request	Date Requested	Date Issued	Segment	Description
	08/22/12	Under Review	T/L	Request for the use of an existing spur road to Tower 2242.
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.
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
	04/04/12	Under review	T/L	Request for a HLZ and temporary disturbance area shifts near CRS.

Variance Request	Date Requested	Date Issued	Segment	Description
	06/18/12	Under Review	Substation	Request to build a telecom site near Desert Center for Red Bluff Substation
	07/30/12	Under Review	Substation	DNA for Colorado River Substation Telecommunication Distribution Line
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 09/06/12)

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
BLM				
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.

NON-COMPLIANCES & INCIDENTS

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

TABLE 4
CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA
 (Updated 09/06/12)

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.
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.
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.

Type	Date Issued	Location	Description
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.

CONSTRUCTION PROGRESS

Table 5 provides a summary of transmission line construction progress.

TABLE 5
CONSTRUCTION PROGRESS STATUS
(As of 09/01/12)

Agency	Total	Released for Construction	Foundations Completed	Towers Erected	Wire Installed
Non Federal (CPUC)	350	267	210	64	0
Bureau of Land Management (BLM)	204	198	156	39	0
US Forest Service (SBNF)	12	12	0	0	0
Total	566	477	366	103	0

PROJECT PHOTOGRAPHS



Figure 1. Wet crossing installation complete at Tower 2325.



Figure 2. Assembly activities at Tower 2435.



Figure 3. Excavation for the installation of the crane pad at Tower 1140.



Figure 4. Rock clearing at tower foundation preparation at Tower 1032.



Figure 5. Trenching for the installation of the Stephen's kangaroo rat exclusionary fencing at Tower 1100.



Figure 6. The new location of the temporary landing platform at Tower 1043. The location is just east of the permanent platform location and within the ROW boundaries.



Figure 7. Multiple vehicle/equipment tracks observed outside of the approved road limits between Towers 2618 and 2619.



Figure 8. A concrete pump truck got stuck in a wash along an unapproved access road near Tower 2304. A dozer was sent to the location to tow the pump truck out. The SCE Biological and General Monitors were on site during the rescue of the pump truck (photo courtesy of FRED).



Figure 9. SCE Biological Monitor escorting drilling crew between Towers 2620 and 2625.



Figure 10. Preparation for concrete pouring for a foundation within the Valley Substation.