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PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: July 31, 2012
Subject: Weekly Report 49, June 18 to June 24, 2012

INTRODUCTION

This report provides a summary of the construction and compliance activities associated with the SCE DPV2 Transmission Line and Red Bluff Substation Projects. This report is organized as follows:

- Transmission Line Construction
- Substation Construction and Upgrades
- Construction Yards and Other Workspaces

A summary of the Notices to Proceed (NTPs) with construction and Variance Request activity are also provided (see Tables 1 and 2, respectively, near the end of this report). Additionally, a summary of Temporary Extra Workspace (TEWS) and non-compliance activities are provided in Tables 3 and 4, respectively. Table 5 provides a summary of transmission line construction progress to date.

CPUC/BLM/Aspen Environmental Monitors (EM): Ryann Loomis, Rosina Goodman, and Jamie Miner

TRANSMISSION LINE CONSTRUCTION

Summary of Activity

1. Colorado River Substation (CRS) to Red Bluff Substation
 - BMPs were installed at Towers 2546, 2556, 2558, 2559, 2560, 2567, 2572, and 2577.
 - Vegetation clearing occurred at Towers 2556, 2558, 2559, 2560, 2567, and 2572.
 - Spur road and crane pad grading occurred at Towers 2546, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, and 2567.
 - Tower foundation drilling and concrete pouring activities occurred at Tower CR1-1E.
 - Shaker plates and rock base were installed at the intersection of Corn Springs and Chuckwalla Roads.
2. Red Bluff Substation to Devers Substation
 - BMPs were installed at Towers 2116, 2218, 2219, 2220, 2226, 2227, 2228, 2229, 2230, 2230X, 2231, 2232, 2235, 2236, 2238, 2239, 2241, 2242, 2243, 2263, 2265, 2266, and 2300 (see Figure 1). BMPs were also installed at Helicopter Landing Zones (HLZs) H4 and H5.
 - Vegetation clearing occurred at Towers 2006, 2008, 2116, 2212, 2213, 2218, 2219, 2220, 2226, 2227, 2228, 2229, 2230X, 2231, 2232, 2236, 2237, 2238, 2239, 2241, 2242, 2243, 2263, 2264, 2265, 2266, 2300, 2456, 2457, 2458, 2500, 2501, and 2509.
 - Desert pavement salvage occurred at Towers 2457, 2501, 2546, 2556, 2558, 2559, 2560, 2567, and 2572.
 - Soil salvage for special status plants and/or vegetation communities occurred at Tower 2458.



- Spur road and crane pad grading occurred at Towers 2116, 2117, 2118, 2119, 2124, 2125, 2126, 2127, 2128, 2129, 2213, 2214, 2216, 2218, 2220, 2226, 2228, 2229, 2230X, 2231, 2232, 2238, 2257, 2262, 2263, 2264, 2265, 2266, 2456, 2457, 2458, 2500, 2501, 2507, 2509, RB1-4E, and RB2-3E.
- Tower foundation drilling activities occurred at Towers 2117, 2124, 2125, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2228, 2230, 2315, 2317, 2318, and 2323.
- Tower foundation concrete pouring activities occurred at Towers 2116, 2117, 2118, 2119, 2120, 2123, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2317, 2318, 2319, 2322, 2323, 2326ALT, and 2326X (see Figure 2).
- Tower assembly and/or steel deliveries occurred at Towers 2018, 2019, 2020, 2100, 2101, 2102, 2104, 2319, 2322, 2524, 2527, 2531, 2532, RB1-1W, RB1-4W, RB2-1W, RB1-2E, RB1-5E, and RB2-5E (see Figure 3).
- Shaker plates and/or rock base were installed along the right-of-way (ROW) access road between Tower 2456 and Eagle Mountain Road, between Tower 2304 and Frontage Road, between Tower 2266 and Dillon Road, between Tower 2227 and Monroe Street, between Towers 2213 and 2220, and at multiple locations along Gasline Road.

3. Devers Substation to Valley Substation

Non-USFS Land

- Installation of BMPs occurred at Towers 1032, 1033, and 1034.
- Installation of Environmentally Sensitive Area (ESA) fencing occurred at Towers 1019, 1080, and 1147.
- Vegetation clearing occurred at Towers 1032, 1033, and 1034.
- Tower foundation drilling occurred at Towers 1014, 1023, 1029, 1030, 1031, 1071, 1073, and 1076 (see Figure 4).
- Tower foundation concrete pouring activities occurred at Towers 1014, 1023, 1029, 1030, 1031, and 1076.
- Tower assembly and steel deliveries occurred at Tower 1006, 1009, and 1011.
- Potholing on the access road occurred near Tower 1147.

USFS Land

- No construction activities occurred during the subject time period.

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.
- Coachella Valley fringe-toed lizard Authorized Biologists conducted biological sweeps for Coachella Valley fringe-toed lizards prior to construction at all applicable tower sites and were available at all applicable sites.
- On June 18, a minor oil leak from a concrete truck was detected by the construction crews at Tower 2326X. The construction foreman immediately notified the onsite SCE Biological Monitor. As soon as the concrete truck was moved, the contaminated soil was removed and placed in a 5-gallon spill kit bucket.

- On June 18, the SCE General Monitor observed loose soils spilling over straw wattles implemented as BMPs on the downhill extent of the graded crane pad at Tower 2116. Straw wattles were previously observed to be in need of maintenance. The loose soils appear to have been generated from construction activities. The BMPs were repaired by the BMP maintenance crew on a later date.
- On June 18, the SCE General Monitor identified loose concrete around the tower footings at Towers 2114, 2115, 2120, 2122 and 2123. The sites were previously visited by the foundation cleanup crew prior to the SCE General Monitor visit. These towers were added to the foundation cleanup crews list and were cleaned up after the incident was identified to the contractor.
- On June 19, the CPUC EM observed a white pick-up truck with PAR decals driving westbound on an unapproved access road just west of Tower 2526. The road that was being used was not approved for use during transmission line construction activities. The CPUC EM notified the SCE Biological Field Lead and the SCE Environmental Coordinator (EC). The issue was addressed during the daily afternoon Plan of the Day conference call.
- On June 19, the SCE General Monitor observed excessive fugitive dust exiting the project area near Tower 2315. According to the FRED report for this incident, the Kenny Environmental Coordinator had informed the Warren James construction foreman that water would be required ahead of construction vehicles earlier the same day. However, the SCE General Monitor reported that a water truck was not present ahead of construction vehicles. The SCE General Monitor informed Kenny Construction of the concern. PAR Construction has since issued a Variance Request for stand tanks in the area to provide adequate water resources.
- On June 19, the construction crew identified a trail of fluid from a skid-steer loader that was being moved at Tower 2266. Work was immediately stopped in the area. It was determined that the leak was caused by a damaged hydraulic hose resulting in a spill of hydraulic fluid approximately 10 inches wide and 30 feet long. An additional spill of approximately three feet by six feet in size was observed under the loader. It was estimated that the combined spills totaled roughly five gallons. The CPUC EM arrived onsite as the contaminated soil was being removed from the affected areas and disposed of according to the appropriate mitigation measures and SWPPP guidelines (see Figure 5). During a site visit the following day, the CPUC EM observed that the spill had been completely cleaned and the damaged skid-steer had been repaired. The construction foreman notified the CPUC EM that the skid-steer was going to be removed from the site that day to be power washed.
- On June 19, construction vehicles entered Tower 2126 prior to completion of a daily preconstruction sweep by the Coachella Valley Fringe-toed Qualified Biologist. The tower site falls within Coachella Valley fringe-toed lizard habitat. The biologist assessed the work area for impacts to biological resources. No impacts were observed. The biologist then conducted a pre-construction sweep for Tower 2126. No biological constraints were identified and the crew proceeded with work for the day.
- On June 19, foundation excavation holes at Tower 2125 were observed to be inadequately covered for preventing harm to wildlife by the Coachella Valley Fringe-toed Qualified Biologist (see Figure 6). Due to high winds, the plastic sheeting used was not adequate and was blown away from the holes, leaving space for wildlife. The pouring crew arrived on site, removed the inadequate covering, and finished preparing for the concrete pour. The onsite foreman was informed of the non-compliance. The contractor's response indicated a new method will be implemented in the field. Tower 2125 is in Coachella Valley fringe-toed lizard habitat. No biological constraints were found by the onsite monitor; however, there was no way for the Biological Monitor to see if wildlife fell into the drilled holes.
- On June 19, the CPUC EM discovered a foundation excavation hole at Tower 2126 to be inadequately covered for preventing harm to wildlife or the general public (see Figure 7). High winds had blown the plastic sheeting away from the holes, leaving space for wildlife. The CPUC EM contacted the SCE EC. Later that day the pouring crew arrived on site, removed the inadequate covering, and finished preparing for pouring. The onsite biological monitor informed the foreman of the non-compliance. The contractor's response indicated a new method will be implemented in the field. Tower 2126 is in Coachella Valley fringe-toed lizard habitat. No bio constraints were found, how-

ever, there was no way for the biological monitor to see if wildlife fell into the drilled holes. Project Memorandum #9 was issued for this incident on June 19.

- On June 20, the SCE Biological Monitor reported that there were several incidents during which equipment operators were not checking under their vehicles for wildlife near Tower 2303. The SCE Biological Monitor addressed the issue with construction personnel throughout the day, reminding them to be sure to inspect underneath vehicles for wildlife as this is a project condition of the Biological Opinion.
- On June 20, the onsite biological monitor at Tower 2128 did not observe crews checking under the tires for wildlife prior to moving their vehicles. The crew had been reminded that morning to check under tires during the morning tailboard. The site exists within modeled Coachella Valley fringe-toed lizard habitat. The importance of checking under the vehicles will be reiterated in the morning tailboard meetings.
- On June 20, the SCE General Monitor observed a concrete truck driver washing out equipment outside of the designated work area for Tower 2117. SCE's resolution to this incident stated that tower sites that are located on steep terrain, where vehicle access is limited, concrete trucks will perform their wash out on an alternative approved work area.
- On June 21, the SCE General Monitor reported a small leak of an unspecified fluid at Tower 2239. The SCE General Monitor was not immediately informed of the spill upon arriving at the site; however, it was noted that the damaged equipment that caused the leak was to be hauled offsite for repairs and the contaminated soil was removed for proper disposal.
- During vegetation clearing activities at Tower 2263 on June 21, the CPUC EM was informed that work had appropriately been halted while the SCE Archeological Monitor left to inspect another site. The construction foreman stated that work would only resume once the SCE Archeological Monitor returned.
- On June 21, the onsite biological monitor observed that the crew did not check under their vehicles for wildlife prior to moving at Tower 2128. The crew had been reminded during the morning tailboard meeting to check under vehicles for wildlife before moving. The biologist did check tires of crew vehicles periodically throughout the day but no wildlife was found.
- On June 21, foundation excavation holes at Tower 2132 were observed to be inadequately covered for preventing harm to wildlife by the Coachella Valley Fringe-toed Qualified Biologist. The Qualified Biologist notified the SCE Field Lead and the incident was discussed with the crew at the next tailboard meeting. At the time this weekly report was prepared, SCE has not provided the CPUC with when or if the excavation was adequately covered.
- On June 22, the CPUC EM observed construction crews conducting work along the new access road for RB2-3E approved under Determination of NEPA Adequacy (DNA) #5 (see Table 2). According to construction plans, the road is to be graded to a maximum width of 14 feet with two foot berms on each side. However, the CPUC EM estimated that the road was being cleared of vegetation and graded at an approximately 20-foot width. The CPUC EM notified the CPUC Lead EM and the SCE EC was notified of the issue via email the same day. It was determined that the overall disturbance remains within the temporary project disturbance limits, but is outside the permanent project disturbance limits. SCE has stated that they will restore the graded area within the temporary disturbance limits at the end of the project.
- On June 22, a Biological Monitor observed the vehicle of an overnight security guard stationed at Tower 1031 stuck on the access road to the site. His car was blocking the crew, who had just finished work for the day, from leaving. The crew used a forklift to free the stranded car. This involved the crew pulling around the vehicle in a forklift with one tire of the forklift going over the road berm by about 0.75 meter. Removal of the vehicle resulted in insignificant impacts to the road berm at the adjacent area. The crew brushed out the tire track left by the forklift.

- On June 23, the SCE General Monitor observed that straw wattles implemented as BMPs appeared to have been moved to accommodate construction traffic, but not replaced or secured at Tower 2132. The crews have been advised that they can move straw wattles during construction activities to avoid damage to the wattles, but that they must be replaced by the end of the day. Greenstone (PAR environmental) inspected the sites and confirmed that the straw wattles were replaced in the location that follows guidelines and regulations.
- On June 23, a desert horned lizard was observed pinched in safety site entrance sign between the sign and plastic holder at Tower 2116. It appeared to have attempted to fit in between the two pieces, but it became too tight. UTMs were taken and the subject was photographed, bagged, and properly disposed of offsite.
- On June 23, the SCE General Monitor observed no secondary containment being used under the concrete testing area at Tower 2130. An ice chest with concrete samples was left uncovered and leaking from the bottom. Secondary containment under equipment was observed to be cracked and in need of repair. Construction materials that have become debris were also found left onsite. No construction activity or crews were onsite. There has been an ongoing issue with the concrete testing area not having proper containment per the SWPPP. The contractor was informed and PAR/Greenstone went to the site and placed secondary containment under the concrete testing area.

Project Memorandum #9 was issued during the subject period for Transmission Line activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (Other than CPUC EMs):

None.

SUBSTATION CONSTRUCTION AND UPGRADES

Summary of Activity

1. Colorado River Substation (CRS) (BLM Lands) – Ongoing activities associated with CRS that occurred during the subject period included civil work associated with drainages, wall panel erection, jute netting and mulching of slopes, and paving at the substation site. BMPs were installed and/or maintained as appropriate within the substation work limits and along the access road.
2. CRS Telecomm Line (BLM and Private Lands) – No major activities were conducted along the CRS telecomm line during the subject period.
3. Series Capacitor (BLM Lands) – Activities associated with the expansion of the existing Series Capacitor site included site grading, perimeter fence installation, trenching for ground wire within the existing fence limits, foundation drilling, concrete pouring, and equipment and material staging.
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, and rock crushing of native fill. Well development, involving pumping of the well, continued throughout the subject period. Activities that were conducted along the primary access road between Corn Springs Road and the substation eastern access road included grading and culvert and drainage improvements (see Figure 8). BMP installation and maintenance continued, as required.
5. Devers Substation – Activities included site clearing and grading within the Devers Expansion Area. (see Figure 9). Grading activities included creating a ramp from the substation gate into the expansion area to allow access for water trucks and fill trucks. Gravel was delivered for the ramp to prevent track out into the substation. Staking activities included staking the new roads and helicopter pad area within the existing substation boundaries.

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, and the Series Capacitor sites.
- On June 18, the SCE Biological Monitor observed a personal vehicle belonging to an SCE Archeological Monitor parked outside of approved road limits near the Red Bluff Substation access road off Corn Springs Road. The SCE Biological Monitor informed the owner of the vehicle that it must be moved immediately. The owner of the vehicle was also reminded that off-road parking is strictly prohibited, even if there are existing tire tracks in the area.
- The SCE Assistant Environmental Coordinator notified the lead construction site representative of a leaking water tower valve at the CRS site on June 21. The SCE Biological Monitor observed a water puddle accumulating at the same location during sweeps on June 22. The leaking valve was replaced shortly after June 22 and the SCE Biological Monitor reported a significant decrease in water accumulation on the ground.
- On June 21, the SCE Biological Monitor observed a water truck operator drive over the berm and into undisturbed habitat along the Red Bluff access road. The SCE Biological Field Lead issued a thirty minute stand-down for work in the area while the incident was investigated. An additional tailboard meeting was also conducted to emphasize the importance of staying within project limits. The full length (approximately 10 feet) of the equipment tracks were measured, mapped, and provided to PAR Construction.
- On June 21, two construction crew personnel arrived at the Series Capacitor site prior to the area being swept by the SCE Biological Monitor. As reported in FRED, the construction personnel were confused about the appropriate starting time for the day. The SCE Biological Monitor notified the lead site representative and the construction foreman. The foreman assured the SCE Biological Monitor that, in the future, all of his crew would be informed of the proper start time.
- On June 22, the SCE Biological Monitor reported concerns with accumulated trash piles and non-hazardous construction and demolition waste in the central and northwest portions of the CRS site. According to the incident report, the trash debris on site could potentially attract wildlife. The SCE Biological Monitor notified the SCE Assistant Environmental Coordinator and provided a date of June 26 to remove accumulated debris from the site. The construction debris was removed on June 27.
- On June 22, the SCE Biological Monitor notified the SCE Assistant EC about concerns regarding improperly covered and overly filled concrete washout bins at the CRS site. All washout bins need to be covered adequately to prevent wildlife from getting in. SCE stated that the excess concrete will need to be disposed of by June 26. At the time this weekly report was prepared, SCE has not provided information within the FRED weekly summary that the excess concrete was disposed and that this incident has been resolved.
- On June 22, a hydraulic line on a water truck broke resulting in a spill of less than two gallons of hydraulic fluid on the ground at the Red Bluff Substation site. The contractor notified the SCE General Monitor and materials were installed to quickly contain the leak. A mechanic repaired the faulty equipment and the contaminated soil was properly disposed into hazardous material bins.
- On June 22, the CPUC EM observed adequate track-out and dust control measures being implemented along the Red Bluff access road.

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

Agency Representatives during Construction (Other than CPUC EMs):

None.

CONSTRUCTION YARDS AND OTHER WORKSPACES

Summary of Activity:

Non-Federal Lands:

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

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

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

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

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

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

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

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

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

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

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

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

Environmental Compliance:

- SCE Biological Monitors conducted biological sweeps at all construction yards throughout the subject period.
- On June 19, the CPUC EM observed that the entrance gate to the Summit Construction Yard was closed and signs indicating that the gate must remain closed were installed (see Figure 10).

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 07/31/12)

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
NTP #15	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 07/31/12)

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	5/17/12	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.
	04/12/12	Under review	T/L	Preconstruction survey extension request from 14 days to 30 days
	07/09/12	Under Review	T/L	Request for additional water source locations in the Thousand Palms area.
	07/24/12	Under Review	T/L	APM A-6 - Eliminate tarping on bottom dump trucks
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

Variance Request	Date Requested	Date Issued	Segment	Description
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	5/22/12	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	5/22/12	Series Capacitor	Certain activities to be constructed within the footprint of the Series Capacitor bank.
DNA #8	05/02/12	07/30/12	T/L	Additional access route between Towers 2528X and 2527.
	04/04/12	Under review	T/L	Request for a HLZ and temporary disturbance area shifts near CRS.
	05/19/12	Under Review	CRS	Request for a permanent turning radius along the CRS access road.
	06/04/12	Under Review	CRS	300-foot driveway along the CRS access road.
	06/18/12	Under Review	Substation	Request to build a telecom site near Desert Center for Red Bluff Substation
	07/02/12	Under Review	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	Under Review	T/L	APM A-6 - Eliminate tarping on bottom dump trucks
	07/30/12	Under Review	Substation	DNA for Colorado River Substation Telecommunication Distribution Line
USFS				
USFS-1	03/15/12	3/20/12	T/L	SBNF engineering modifications (revised disturbance areas).

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 07/31/12)

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.
BLM				
Level 1 #1	06/6/12	06/11/12	Red Bluff Loop In	RB1-4E disturbance area shift.
Level 1 #2	07/12/12	Under Review	T/L	Request for two stand tank locations.

NON-COMPLIANCES & INCIDENTS

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

TABLE 4
CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA
(Updated 07/31/12)

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.

Type	Date Issued	Location	Description
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.
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.

CONSTRUCTION PROGRESS

Table 5 provides a summary of transmission line construction progress.

TABLE 5
CONSTRUCTION PROGRESS STATUS
(As of 07/21/12)

Agency	Total	Released for Construction	Foundations Completed	Towers Erected	Wire Installed
Non Federal (CPUC)	350	222	141	14	0
Bureau of Land Management (BLM)	204	186	95	9	0
US Forest Service (SBNF)	12	12	0	0	0
Total	566	420	236	23	0

PROJECT PHOTOGRAPHS



Figure 1. Installation of BMPs at Tower 2232.



Figure 2. Concrete pouring for foundations at Tower 2127.



Figure 3. Assembly activities occurring at Tower RB1-4W.



Figure 4. Foundation excavation at Tower 1014.



Figure 5. Crew working to remove contaminated soil due to hydraulic fluid spill at Tower 2266.



Figure 6. Inadequate covering of open hole excavation at Tower 2125.



Figure 7. Inadequate covering of open hole excavation at Tower 2126.



Figure 8. Installation of a culvert at a drainage crossing along Red Bluff access road.



Figure 9. Grading activities within the Expansion Area of the Devers Substation.



Figure 10. Sign installed on entrance gate to Summit Construction Yard.