



5020 Chesebro Road, Suite 200, Agoura Hills, CA 91301
Tel. 818-597-3407, Fax 818-597-8001, www.aspeneg.com

PROJECT MEMORANDUM SCE DPV2 TRANSMISSION PROJECT

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: March 30, 2012
Subject: Weekly Report 30, February 6 to February 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.

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

TRANSMISSION LINE CONSTRUCTION

Summary of Activity

1. Colorado River Substation (CRS) to Red Bluff Substation
 - Foundation excavation activities occurred at Towers 2648, 2650, and CRS Loop-In Towers CR1-1W and CR1-3W.
 - Grading activities occurred at tower pads and along the access road associated with CRS Loop-In Towers CR1-2E, CR1-5E, and CR1-3W (see Figure 1).
 - Vegetation clearing activities were conducted at CRS Loop-In Towers CR1-1W through CR1-5W and CR1-2E.
 - BMPs were installed and maintained along the CRS Loop-In access roads.
 - Approved access road signs were installed along the right-of-way (ROW) along the access road near Tower 2613.
 - Survey staking activities occurred at CRS Loop-In Towers CR1-2E, CR1-3E, CR1-4E, CR1-5E, CR1-4W/2651, and CR1-5W/2652.
2. Red Bluff Substation to Devers Substation
 - Maintenance activities associated with BMPs occurred at Red Bluff Loop-In Towers RB1-4E, RB1-5E, RB1-2W, and RB2-2W.
 - Approved access road signs were installed between Towers 2264 and 2313.
 - Survey staking was conducted at Towers 2333 through 2345, Towers 2522 through 2532, and at Towers 2413, 2414, 2418, 2419, 2429, 2432, 2433, 2455, 2456, and 2534. Additional staking



activities occurred at Red Bluff Loop-In Towers RB1-2E, RB1-3E, RB2-3E, RB2-4E, RB2-5E, RB1-4E, RB1-1W, RB1-2W, RB2-2W, and RB2-3W.

- Site verification surveys were conducted between Towers 2503 and 2532.

3. Devers Substation to Valley Substation

- Vegetation clearing or trimming occurred at Towers 1028, 1029, 1030, and 1031 (see Figure 2).
- BMP installation occurred at Towers 1027, 1028, 1029, and 1030.
- Maintenance of BMPs occurred at Towers 1027, 1028, 1029, 1030, 1031, 1051, 1052, 1053, 1054, 1057, 1058, 1059, 1060/R1, 1064/R4, and 1065.
- Grading of spur roads and crane pads occurred at Towers 1027, 1028, 1029, and 1031 (see Figure 3).
- Shaker plates and gravel were installed at all ROW entrances from Towers 1026 through 1065 (see Figure 4).
- Site verification surveys occurred at Towers 1001-1008 and 1027.

Environmental Compliance

- Fugitive dust control was noted by SCE general and biological monitors at all construction sites and access roads. CPUC EM's also observed adequate dust control at all construction sites and access roads (see Figure 5).
- Biological and Archaeological monitors were present as applicable during all transmission line construction activities.
- Approved monitors for Coachella Valley milk-vetch were onsite for all ground disturbing activities at applicable tower sites and completed clearance surveys before construction occurred.
- An onsite water truck at Tower 1029 was backing out of a site and drove outside of the disturbance area and over a berm onto the ROW. The construction crew immediately reconstructed the berm to its original shape. No resources were impacted.
- CPUC EM noted that project related vehicles were parked on a portion of an access road that was not designated for project use near Tower 1061/R1 (see Figure 6). The CPUC EM noted this to the onsite monitor who instructed the owners of the vehicles to move them onto approved staging areas. No resources were impacted.

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) – Construction activities associated with the development of the substation that occurred during the subject period included vegetation clearing, grading, soil scarification, and sprinkler installation and modification. Major grading activities continued and several culverts and reinforced concrete pipes were installed along the primary access road between Wiley's Well Road and CRS. BMPs were installed at culvert locations and containment areas along the access road and around laydown yards within the substation limits. A substantial parking area with soil-topped secondary containment and bird netting was erected adjacent to the northern laydown yard (see Figure 7).

2. CRS Telecomm Line (BLM and Private Lands) – No construction activities associated with the CRS telecomm line occurred during the subject period.
3. Red Bluff Substation (BLM Lands) – BMPs were installed around the perimeter of the substation in preparation for major ground disturbing activities and maintained at existing locations within the substation limits. A temporary pump was installed at the water well location. No major civil work was conducted during the subject period.

Environmental Compliance

1. SCE General, Biological, and Archeological Monitors were onsite throughout all construction activities associated with CRS and the Red Bluff Substation.
2. Cacti relocation activities were conducted along the access road between the Devers and Red Bluff Substations.
3. On February 9, the SCE monitor observed a worker's personal truck reaching speed in excess of 40 mph along the primary access road at CRS. Although no fugitive dust was observed, the driver was notified of the project speed limits and the issue with vehicle speeds was addressed at the afternoon tailboard meeting.
4. Two loggerhead shrikes and an individual prairie falcon were observed by SCE Biological Monitors along the primary CRS access road during the subject period. No special-status species were observed at the Red Bluff Substation site.

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:

1. Blythe Yard – No construction activities occurred during the subject period.
2. Desert Center 1 Yard – No construction activities occurred during the subject period.
3. Desert Center 2 Yard – No construction activities occurred during the subject period.
4. Chiriaco Summit Yard – No construction activities were conducted during the subject period.
5. Indio Yard – No construction activities occurred during the subject period.
6. Indio 2 Yard – No construction activities were conducted during the subject period.
7. Devers Yard – No construction activities were conducted during the subject time period.
8. Devers 2 Yard – No construction activities were conducted during the subject period.
9. Beaumont Yard – No construction activities were conducted during the subject period.
10. Beaumont 2 Yard – No construction activities were conducted during the subject period.
11. Menifee Yard – No construction activities were conducted during the subject period.
12. Perris Yard – No construction activities were conducted during the subject period.

Environmental Compliance:

1. Biological sweeps of the construction yards were conducted by the SCE Biological Monitors throughout the subject period.
2. The SCE monitor reported the use of an unauthorized water source near the Blythe Yard on February 10. Nordic, the company contracted to haul water to the sites associated with the CRS Loop-In Towers, was observed drawing water from an unpermitted hydrant located approximately 75 yards east of the water source authorized near the Blythe Yard. As reported by SCE, Nordic was instructed by PAR to utilize the unauthorized water source and the hydrant had a PAR water meter chained to it. When informed that this was not an authorized source of water, Nordic filled their water truck at the approved location. The unauthorized water source is being checked weekly to ensure that it is no longer utilized.

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 03/30/12)

| 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 #/ Permit | Date Requested | Date Issued | Segment | Description |
|------------------|-------------------|----------------|---------------------------------|--|
| 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. |
| 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

Variance Requests and Temporary Extra Workspace (TEWS) Requests submitted to date are summarized in Tables 2 and 3, respectively.

TABLE 2
VARIANCE REQUESTS
(Updated 03/30/12)

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

| Variance Request | Date Requested | Date Issued | Segment | Description |
|------------------|----------------------|--------------------|---|--|
| VR #6 | 07/07/11 | 08/01/11 | Menifee, Beaumont, Perris Yards | Request to remove Mitigation Measures B-13a and B-13b, and to modify B-1a, B-1a (revised), and B-7e pertaining to Western Riverside County MSHCP compliance. |
| VR #7 | 08/11/11 | 08/22/11 | Perris, Beaumont, Menifee, Blythe Yards | Request to utilize offsite water hydrants at Perris, Beaumont, Menifee, and Blythe Construction Yards. |
| VR #8 | 08/26/11 | 08/27/11 | Beaumont Yard | Request to install seeded jute netting along the property frontage at Beaumont Construction Yard. |
| VR #9 | 08/24/11 | 09/01/11 | DC 2 Yard | Request for installation of temporary power poles outside of Desert Center 2 Construction Yard. |
| VR #10 | 08/26/11 | 09/01/11 | Devers & Summit Yards | Utilize offsite water locations needed for dust suppression at Devers and Summit Construction Yards. |
| — | 09/21/11 | Retracted | Perris Yard | Request for additional workspace involving vegetation clearing, installation of BMPs, and temporary driveway installation at Perris Construction Yard. |
| VR #11 | 09/26/11 | 09/28/11 | T/L | Two water sources for exclusionary fencing work. |
| VR #12 | 10/13/11 | 10/18/11 | T/L | Request for parking/temporary staging of vehicles along existing access road within the Coachella Valley Preserve during exclusionary fencing activities. |
| VR #13 | 10/26/11 | 11/10/11 | Devers Yard | Request for temporary power supply to provide power to construction trailer at the Devers #1 Construction Yard. |
| VR #14 | 11/10/11 | 11/28/11 | Substation | Request for increased well pumping to support civil work, including access road improvements, at Colorado River Substation. |
| VR #15 | 12/13/11 | 12/14/11 | Summit Yard | Request for temporary power outside yard boundaries required to power office trailers. |
| VR #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 | To CPUC | T/L | DPV2 Gas Line Road. |
| | 03/16/12 | Under review | T/L | HLS H7-DV boundary modification. |
| | 03/22/12 | Under review | T/L | DVP1 minor relocation of outage pull sites. |
| | 03/23/12 | Under review | Substation | CRS pull sites. |
| | 03/28/12 | Under review | Substation | Request for HLZ (helicopter landing zone) at Red Bluff Loop-in Tower site RB1-2W. |
| 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. |
| 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. |
| BLM #3 | 03/16/12 | 03/30/12 | Substation | Red Bluff Loop-in pull site modifications. |
| DNA #3 | 12/22/11 | Under review | Series Capacitor | Request to relocate a portion of the Imperial Irrigation District distribution line located at the Series Capacitor site. |

| Variance Request | Date Requested | Date Issued | Segment | Description |
|------------------|----------------|--------------|--------------------|--|
| DNA #4 | 02/01/12 | Under review | 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 | Under review | Red Bluff Loop-ins | Request to revise road locations. |
| USFS | | | | |
| USFS-1 | 03/15/12 | Under Review | T/L | SBNF engineering modifications (revised disturbance areas). |

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 03/30/12)

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

NON-COMPLIANCES & INCIDENTS

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

TABLE 4
CPUC NON-COMPLIANCE REPORTS & PROJECT MEMORANDA
 (Updated 03/30/12)

| 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. |
| CPUC Non-Compliance Reports (NCR) | | | |
| NCR #1 | 01/13/12 | Project-wide | Unapproved removal of stick nests from DPV1 Transmission Line towers. |

PROJECT PHOTOGRAPHS



Figure 1. Grading activities completed at Tower CR1-2E.



Figure 2. Vegetation clearing at Tower 1031.



Figure 3. Spur road and crane pad grading at Tower 1029.



Figure 4. Gravel and rattle plate installation at the entrance to Tower 1062/R2.



Figure 5. Dust suppression activities occurring at Tower CR1-3E.



Figure 6. Vehicles parked on portion of access road not approved for the project near Tower 1061/R1.



Figure 7. Initial stage of erection of equipment parking area at CRS.