



30423 Canwood Street, Suite 215, Agoura Hills, CA 91301-4316
Tel. 818-597-3407, Fax 818-597-8001, www.aspeneg.com

**PROJECT MEMORANDUM
SCE TRANSMISSION PROJECTS, SEGMENTS 1 - 11**

To: John Boccio, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: September 20, 2010
Subject: Weekly Report 137: September 1 to September 11, 2010

INTRODUCTION

This report provides a summary of the construction and compliance activities associated with the following SCE transmission projects:

- Antelope-Pardee 500 kV Transmission Project, Segment 1, including Antelope Substation expansion;
- Antelope Transmission Project, Segments 2, 3A and 3B, including the Windhub and Highwind Substations; and
- Tehachapi Renewable Transmission Project, Segments 4 through 11, including Whirlwind Substation and the expansion of Vincent Substation.

A summary of the Notices to Proceed with construction and Variance Request activity are also provided (see Tables 1 and 2, respectively, near the end of this report). Finally, a summary of Temporary Extra Workspace and non-compliance activity are provided in Tables 3 and 4, respectively.

CPUC/Aspen Environmental Monitors (EM): Stephanie Jayne, Jenny Slaughter and Allison Roth

SEGMENTS 1-3: ANTELOPE-PARDEE AND ANTELOPE TRANSMISSION PROJECT

Summary of Activity:

1. Construction of Segments 1, 2, and 3A have been completed. Segment 3B, from Windhub Substation to and including Highwind Substation has not been constructed.
2. Construction activities in the Antelope Substation expansion consisted of groundwork being conducted for the 500 kV switchrack, forms being placed in the cable basins of the AA banks, a 66 kV crew worked on the riser poles, construction of the MEER building continued (see Figure 1), installation of perimeter fence around the substation expansion, and relocation of the dirt stockpile from in front of the substation trailers to be used as backfill for the MEER building.
3. Habitat restoration has not been completed in Segment 1. ECORP and Nature's Image are conducting maintenance activities including weeding in areas previously seeded. Areas still requiring treatment in Segment 1 include Wire Stringing Site 3 and Tower 9.
4. Revegetation for Segments 2 and 3A is scheduled for Fall 2010.

Environmental Compliance:

1. SCE is working to develop a solution for the channel incision that occurred immediately downstream of the rip-rapped stream channel at the Windhub Substation site. Once a plan is developed, it will be submitted to the CPUC. SCE is also pursuing the acquisition of the stream channel property.
2. Windhub Substation was spot checked by Burns & McDonnell on September 9th to ensure tortoise fencing was intact, trash was picked up, and checked for spills or leaks. No compliance issues were noted.



No Non-Compliance Reports or Project Memoranda were issued for Segment 3 construction activities during the subject period. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (other than CPUC EMs):

None

TECHAPI RENEWABLE TRANSMISSION PROJECT (TRTP) SEGMENTS 4-11

The SCE Tehachapi Renewable Transmission Project was evaluated in accordance with the California Environmental Quality Act and a Certification of Public Convenience and Necessity (CPCN) was granted by the CPUC on December 17, 2009.

SEGMENTS 4, 5, AND 10 - ANTELOPE VALLEY

Summary of Activity

1. SCE received approval from the CPUC on September 9th to commence with Segment 4 work at Towers 34 and 35, which is a portion of Segment 4 transmission line that is associated with the LADWP 1000 kV line outage.
2. Final grading continued throughout the Vincent Substation expansion with the use of water trucks for dust suppression. The off-site hydrant and water tank storage site off of Carson Mesa Road remains in use.
3. During the subject period, Henkels and McCoy (Contractor for Segments 4, 5, and 10) mobilized into the Racetrack Yard. Vehicles and equipment started being delivered to the site. Material delivery continued at Material Yard 28 (see Figure 2).

Environmental Compliance:

1. On September 10th, a transmission fluid leak less than 16 ounces, was observed on the soil under a water truck operated by H&H Grading at the Vincent Substation Expansion. The contaminated soil was picked up and properly disposed of.
2. At Material Yard 28, sand bags around the soil stockpile and sanitary waste tanks were observed to be torn on August 24th and had not been repaired by the end of the reporting period.
3. On September 9th, a site visit was conducted with Burns & McDonnell to verify flagging at Towers 34 and 35. The flagging at Tower 34 was incomplete and not all the approved and non-approved access roads were flagged. The Burns & McDonnell Environmental Coordinator forwarded this information onto the Henkels & McCoy Superintendent.

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

Agency Representatives during Construction (other than CPUC EMs):

None

SEGMENTS 6 AND 11 - ANGELES NATIONAL FOREST

Summary of Activity

1. The Final EIS was released by the Forest Service on September 14, 2010. The Record of Decision is expected to be issued in October 2010. Construction is expected to begin in late 2010 or early 2011.

SEGMENTS 7 AND 8 - LOS ANGELES AND SAN BERNARDINO COUNTIES

Summary of Activity

1. During the subject period, SCE crews continued work on the Rio Hondo-Amador-Jose-Mesa 66 kV Line Re-Route, as well as on the Chino Substation 66 kV Relocation. Construction in Baldwin Park on the Rio Hondo-Amador-Jose-Mesa 66 kV line included pole installation within a nursery (see Figure 3). The work in Chino on the Chino Substation 66 kV Relocation included transferring poles from the Mira Loma substation to the SCE right-of-way and the beginning of setting poles between Eucalyptus Avenue and Chino Hills Parkway (see Figure 4).
2. No work occurred on Segment 7 Telecom during the subject period.
3. Work on Segment 8 Telecom occurred along Peyton Drive in Chino Hills and between the Ganesha Substation and Chino and Ramona Avenue. The work along Peyton Drive consisted of underground work, which included trenching, placing conduit in the trench and then backfilling the conduit with dirt, concrete slurry and asphalt. The aerial work consisted of preparing existing poles by adding arms and other infrastructure, and then installing fiber optic line (see Figure 5).
4. Contractor activity at the Mesa Yard during the subject period included the continued establishment of BMPs, which consisted of placing gravel bags around drainages and perimeters, and the delivery of a water truck.
5. Work at Rancho Vista Yard primarily consisted of the delivery and off-loading of equipment and materials. In addition, trenching for the installation of grounding wire for electrical hook-ups began on September 2, 2010.
6. At the Mira Loma Yard, contractor activities onsite during the subject period included installation of a silt screen onto the existing perimeter fence of the yard, delivery of trailers, material and equipment, installation of BMPs and vegetation clearing.

Environmental Compliance:

1. At the Mesa Yard, there was one SCE level 1 non-compliance was issued on September 7, when the water truck driver was spraying water into the buffer of a jurisdictional drainage. The construction foreman was notified, and the water truck driver will now use a 10-foot buffer outside of the existing drainage buffer. Additionally, in an incident unrelated to TRTP, a man broke into the yard on September 9, drove around the yard, and got his SUV stuck in the southern drainage at the site. The vehicle was discovered during the morning sweep by an ICF biological monitor, the police were promptly called, and the vehicle was removed by a tow truck later that day.
2. At the Rancho Vista Yard, sandbags were placed around the storm drain inlet on 6th Street by the water hydrant used to fill the water truck.

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

Agency Representatives during Construction (other than CPUC EMs):

None

CPUC NOTICES TO PROCEED (NTPS) & ANF PERMITTING

Table 1 summarizes the CPUC Notice to Proceed and ANF permitting activity for the Antelope-Pardee Transmission Project, Segments 1, 2, and 3, to date.

TABLE 1
CPUC NTPs & ANF PERMITTING
(Updated 09/20/2010)

| NTP #/ Permit | Date Requested | Date Issued | Segment # | Description |
|--|-------------------|----------------|--------------|--|
| CPUC NTPs, Segments 1-3 | | | | |
| <i>For CPUC NTP and Addendum activity on Segments 1-3 prior to 2010, please see Table 1 in Weekly Reports 106-107.</i> | | | | |
| #26 | 12/18/09 | 01/05/10 | 1 | Expansion of Antelope Substation. |
| CPUC Addendum | 12/21/09 | 01/19/10 | 1 | Permanent AR 19 and access road to Const 34A. |
| CPUC Addendum | 12/21/09 | 01/19/10 | 1 | Permanent refueling basin at Hydrant Yard. |
| #27 | 12/23/09 | 01/05/10 | 3B | Oak Peak Communication Site |
| CPUC Addendum | 01/25/10 | 02/01/10 | 2 | Reclassification of two temporary roads to permanent and relocation of transposition poles. |
| Revised CPUC Addendum | 02/10/10 | 02/19/10 | 2 | Relocate two previously approved transposition towers from Const 110 to Const 105. |
| #28 | 02/10/10 | 02/18/10 | 3B | Highwind Marshalling Yard |
| #29 | 02/10/10 | 03/02/10 | 1 | Relocation of the Sagebrush Transmission Line at the Antelope Substation expansion area. |
| CPUC Addendum | 03/17/10 | 03/26/10 | 3A | Vertical mulching, capping of a portion of the existing roadway, and making this overland route a permanent access for SCE operations and maintenance to Const 43. |
| CPUC Addendum | 04/06/10 | 04/27/10 | 3B | Elimination of transposition towers in Segment 3B. |
| CPUC Addendum | 04/16/10 | 04/22/10 | 1 | Installation of fiber optics surrounding the Antelope Expansion. |
| CPUC Addendum | 05/25/10 | 06/04/10 | 1 | Permanent overland travel routes for Operation and Maintenance inspections. |
| CPUC Addendum | 05/25/10 | 06/04/10 | 2 | Permanent overland travel routes for Operation and Maintenance inspections. |
| CPUC NTPs Segments 4-11 | | | | |
| #1 | 01/13/10 | 02/11/10 | 4, 5, 10 | Yard 28 |
| #2 | 01/28/10 | 03/10/10 | 9 | Vincent Substation Expansion |
| #3 | 03/09/10 | 04/01/10 | 7,8 | Rancho Vista Yard |
| CPUC Addendum | 04/09/10 | 04/19/10 | 9 | Changes to Substation components. |
| #4 | 01/27/10 | 04/26/10 | 7, 8 | Segment 7 and 8 Cell Sites |
| #5 | 01/27/10 | 04/30/10 | 7 | Segment 7 Telecom |
| #6 | 03/29/10 | 05/12/10 | 7,8 | Mesa Materials Storage Yard |
| #7 | 05/12/10 | 05/28/10 | 8 | Segment 8 telecommunications. |
| #7 Mod | 08/20/10 | 08/20/10 | 8 | Minor re-routes to Segment 8 Telecom |
| #8 | 04/27/10 | 06/04/10 | 8 | Segment 8 Contractor Yards |
| #9 | 07/21/10 | 07/29/10 | 7 | Segment 7 Contractor Yards |
| #10 | 04/08/10 | 08/03/10 | 7, 8 | 66 kV re-route and relocation |
| #11 | 05/08/10 | 08/12/10 | 8 | Segment 8 Transmission Line, Chino Hills, Phase I |
| #12 | 07/28/10 | 08/20/10 | 4, 5, 10 | Segment 4, 5, 10 Contractor Yards |
| #13 | 07/19/10 | 08/24/10 | 8 | Segment 8 Transmission Line, Phase 2 and 3 |

| NTP #/ Permit | Date Requested | Date Issued | Segment # | Description |
|------------------------------------|-------------------|-----------------|--------------|---|
| #14 | 08/25/10 | 09/03/10 | 4 | Partial Transmission Line work associated with an LADWP outage |
| #15 | 08/13/10 | 09/10/10 | 5 | Segment 5 Transmission Line |
| #16 | 08/30/10 | 09/13/10 | 4 | Segment 4 Transmission Line |
| | 08/10/10 | Under review | 7 | Segment 7 Transmission Line |
| | 06/22/10 | Under review | 9 | Whirlwind Substation |
| ANF PERMITTING – Segment 1, 6 & 11 | | | | |
| | 11/29/07 | 12/14/07 | 1 | Radio Repeater – installation of a temporary radio repeater site on Sierra Pelona Ridge to provide communication during construction activities tied to the project. Improvement installation began Jan. 11 |
| | 09/27/07 | 12/14/07 | 1 | Geotechnical testing – 23 geotechnical borings are authorized on National Forest lands to provide additional information that will be used in the design of the transmission towers. Notice to proceed was signed Jan 31 to begin work the week of Feb. 3 |
| | | 07/14/08 | 1 | Removal of the 66 kV conductor within the ANF, from tower 7-3 (near southern Forest boundary) to 16-3 (near Bouquet Reservoir) Phase I. |
| | | 09/23/08 | 1 | Removal of the 66 kV conductor within the ANF, Phase II |
| | | 10/23/08 | 1 | Construction of the 500 kV transmission line and wreck-out of the 66 kV towers in the ANF, Section 2. |

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 09/20/2010)

| Variance Request | Date Requested | Date Issued | Segment # | Description |
|---|-------------------|----------------|--------------|---|
| Variance Requests, Segments 1-3 | | | | |
| <i>For Variance Request activity on Segments 1-3 prior to 2010, please see Table 2 in Weekly Reports 106-107.</i> | | | | |
| VR #66 | 01/11/10 | 01/19/10 | 1 | Modify the requirements of Mitigation Measure B-1a (Provide Restoration/Compensation for Impacts to Native Vegetation Communities) to fulfill a request from the property owner. |
| VR #67 | 01/15/10 | 01/19/10 | 3A | Modify requirements of Mitigation Measure B-27b and APMs BIO-2 and BIO-7 to preserve cut Joshua trees onsite instead of off-site disposal to the extent possible for habitat creation purposes. |
| VR #68 | 04/09/10 | 04/12/10 | 1 | Release restoration requirements on road to wreck-out tower 20-4 in Section 3. |
| VR #69 | 05/04/10 | 05/07/10 | 1 | Contractor Yards surrounding Antelope Substation. |

| Variance Request | Date Requested | Date Issued | Segment # | Description |
|----------------------------------|----------------|-------------|-----------------------------|--|
| VR #69 MOD | 07/29/10 | 08/02/10 | 1 | Additional space for storage at Antelope Substation for material being delivered for Antelope, Vincent and Whirlwind substations. |
| VR #70 | 06/02/10 | 06/04/10 | 1 | Additional disturbance areas adjacent to the pole erections for the 220 kV Sagebrush relocation work around the Antelope Substation. |
| VR #71 | 06/22/10 | 06/23/10 | 1 | Change in construction work hours for work on the Sagebrush 220 kV transmission line. |
| VR #71 MOD #1 | 06/24/10 | 06/25/10 | 1 | Expansion of construction hours for Sagebrush 220 kV T/L and foundation installation work at Antelope Substation. |
| VR #71 MOD #2 | 07/08/10 | 07/09/10 | 1 | Further expansion of construction hours for Antelope Substation construction. |
| Variance Requests, Segments 4-11 | | | | |
| VR #1 | 03/25/10 | 03/26/10 | 9-Vincent | Expand grading area of Vincent substation by 15 feet for temporary turn around areas for equipment. |
| VR #2 | 05/25/10 | 05/27/10 | 7 | Relocation of helicopter landing zone for Segment 7 telecommunications work. |
| VR #3 | 06/08/10 | 06/10/10 | 7 | Clarification of Segment 7 Telecom construction operating hours and to work the weekend dates of June 12, 13, 19, and 20, within the City of Irwindale |
| VR #4 | 08/11/10 | 08/13/10 | 9-Vincent | Utilize a fire hydrant along an unpaved spur road and also place two 10,000-gallon elevated water storage tanks adjacent to the hydrant. |
| VR #5 | 08/20/10 | 08/20/10 | 7 | Night work for Segment 7 Telecom |
| VR #6 | 08/26/10 | 08/26/10 | 8 | Work on weekends for Segment 8 Telecom. |
| VR #7 | 09/10/10 | 09/16/10 | 8 | New wire setup and pull sites for Segment 8 Phase 1 |
| VR#8 | 09/16/10 | 09/16/10 | 8 | Clarification of construction hours for Segment 8 Phase 1 |
| VR #9 | 09/14/10 | 09/20/10 | Yard 28 & Rancho Vista Yard | Hotwork (welding and cutting) at Yard 28 and Rancho Vista Yard. |

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 09/20/2010)

| TEWS Request | Date Requested | Date Approved | Segment # | Description |
|---|----------------|---------------|-----------|-------------|
| TEWS, Segments 1-3 | | | | |
| <i>For TEWS activity on Segments 1-3 prior to 2010, please see Table 3 in Weekly Reports 106-107.</i> | | | | |
| TEWS, Segments 4-11 | | | | |
| None to date | | | | |

NON-COMPLIANCES & INCIDENTS

A summary of Project Memorandum, Non-Compliance Reports, and other incidents to date is provided in Table 4.

TABLE 4
NON-COMPLIANCES, PROJECT MEMORANDA, AND OTHER INCIDENTS
 (Updated 09/20/2010)

| Type | Date | Location | Description |
|---|-----------|----------------------------|--|
| Non-Compliances, Project Memoranda & Other Incidents, Segments 1-3 | | | |
| <i>For Non-Compliances, Project Memoranda & Other Incidents activity on Segments 1-3 prior to 2010, please see Table 4 in Weekly Reports 106-107.</i> | | | |
| Project Memorandum | 04/27/10 | 3A | Delivery of equipment to Tower 43 within an ESA without monitors present. |
| Incident | 05/10/10 | 2 | Relocation of artifacts from archaeological site near Tower 21 during Segment 2 construction. |
| Incident | 05/12/10 | Antelope Substation | Fugitive dust leaving grading area. |
| Non-Compliances, Project Memoranda, & Other Incidents, Segments 4-11 | | | |
| Incident/Level 1 SCE NCR | 03/24/10 | Vincent Substation | Construction encroachment into California Thrasher nest buffer. |
| Incident | 04/20/10 | Rancho Vista Yard | Equipment mobilized to site before resource fencing was verified by CPUC EM. |
| Incident/Level 1 SCE NCR | 05/12/10 | Vincent Substation | Resource buffer encroachment, construction within nesting bird buffers along Rockyford road. |
| Incident/Level 1 SCE NCR | 05/13/10 | Vincent Substation | Resource buffer for common raven encroachment within substation. |
| Incident | 05/28/10 | Windhub Substation | 1 gallon fuel spill outside of Windhub substation. |
| Incident | 06/02/10 | Antelope Substation | Active nest disappeared from inside the engine compartment of a water truck at the expansion area over the holiday weekend. |
| Incident | 06/03/10 | Antelope Substation | Construction activities taking place without biological clearance surveys taking place. Resource buffer staking were in place. |
| Incident | 06/04/10 | Antelope Substation | Resource buffer encroachment in the expansion area. Vehicle entered a nest buffer area, nest was not found. |
| Incident/Level 2 SCE NCR | 06/13/10 | Segment 7 Telecom | Helicopter unloaded personnel and equipment in an unauthorized area. |
| Incident/Level 2 SCE NCR | 06/17/10 | Vincent Substation | Cement truck stopped within nesting bird buffer along Rockford road. |
| Incident/Level 2 SCE NCR | 6/22/2010 | Yard 28 Materials Yard | Vehicle drove through bird buffer exclusion zone. |
| Project Memorandum | 06/23/10 | Segment 8 West CY | Vegetation clearing without preconstruction biological or clearance surveys within TRTP right-of-way. |
| Incident/Level 1 SCE NCR | 06/24/10 | Yard 28 Materials Yard | Verizon employee parked within a bird buffer exclusion zone. |
| Incident/Level 1 SCE NCR | 7/6/10 | Yard 28 Materials Yard | All Day Electric employee drove through a bird buffer exclusion zone. |
| Incident/Level 1 SCE NCR | 8/3/10 | Segment 7 Telecom | Crews began work without a monitor present. |
| Incident/Level 1 SCE NCR | 09/9/10 | Mesa Material Storage Yard | Water truck spraying water into jurisdictional drainage. |

PROJECT PHOTOGRAPHS



Figure 1: Construction of the MEER building in the Antelope Substation Expansion, Segment 1.



Figure 2: Material storage at Material Yard 28 on Avenue I.



Figure 3: 66 kV crews working on the Rio Hondo-Amador-Jose-Mesa Line install wire on a new pole in a nursery in Baldwin Park.



Figure 4: 66 kV crews working on the Chino Substation relocation line between Eucalyptus Avenue and Chino Hills Parkway.



Figure 5: A Segment 8 Telecom aerial crew installs fiber optic cable on Chino Avenue adjacent to the 71 Freeway.