



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: June 22, 2010
Subject: Weekly Reports 123-124 — May 23 to June 5, 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 Monitor (EM): Jenny Slaughter

SEGMENT 1: ANTELOPE-PARDEE

Summary of Activity:

1. Grubbing and grading of the Antelope Substation expansion area began on April 29th. The expansion grading is taking place in stages as biological resource exclusion areas are cleared for construction. Equipment laydown areas have been established in the northeast corner of the expansion area. Some of the expansion area is off limits to construction because of ground nesting birds within the expansion area. Flagging is in place delineating the resource buffers. Because of the resource buffer restrictions within the expansion area, trucking of fill continued from the Windhub Substation construction site (see Figure 1).
2. The Sagebrush 220 kV transmission line relocation began surrounding the Antelope expansion area. Foundation drilling and concrete pouring took place at the six new tubular steel pole (TSP) locations. Some foundation work was conducted; however, the crews have left and will return in mid-June to complete the work.
3. Riser poles associated with the 66 kV relocation were erected outside of the Antelope Substation expansion area. An SCE crew installed racks in the manholes in advance of cable installation.
4. Erosion problems have been identified at several locations in Segment 1 including Towers 9 and 99. Repairs have been made at Tower 99, subject to SCE review, and have yet to be conducted at Tower 9.
5. Habitat restoration continued 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.



Environmental Compliance:

1. Two separate incidences of buffer incursion took place on June 3rd and 4th in the Antelope Substation expansion area. Crews encroached within a resource buffer for an active horned lark nest. This was not observed by biological monitors; however, when monitors noticed the tire tracks, they searched the area for the nest to determine if it was still active. The nest and the adult birds could not be located and it is assumed that this nest failed. In a separate incident, grading crews cleared brush from an area without notifying the biological monitors. The biologists did not have a chance to conduct a biological clearance survey ahead of time in this area.
2. An active house finch nest in the engine compartment of a water truck parked in a staging area for the expansion work was checked for status on June 1st. Project biologists have been monitoring this nest for a few weeks and when they checked the nest after the holiday weekend, the adult birds were not present. The hood of the truck was opened and there was no evidence of the nest in the truck. Biologists checked under the truck for evidence of the nest; however, none was found.
3. On April 21st, the adult horned lark flushed off a nest while construction was occurring nearby and did not return for over 1 ½ hours. Due to the prolonged absence of the adult bird and the descending temperature, SCE recovered the eggs and transported them to a rehabilitation facility for incubation. SCE reported on May 28 that the eggs failed, and have provided notification to both CDFG and USFWS.
4. Erosion repairs are taking place by both ECORP/Nature's Image and PAR construction as needed.

No Non-Compliance Reports or Project Memoranda were issued during the subject period for Segment 1 construction activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives:

None

SEGMENT 2: ANTELOPE-VINCENT

Summary of Activity:

The Notice to Proceed for Segment 2 construction (NTP #14) was issued by the CPUC on September 30, 2008. Segment 2 involves the construction of a new 21.0-mile single-circuit 500 kV transmission line initially to be energized at 220 kV and 0.6 miles of a new 220 kV transmission line connecting SCE's Antelope Substation in the City of Lancaster to the Vincent Substation in incorporated Los Angeles County. Segment 2 construction activities have been completed and the Segment 2 transmission line was energized on December 17th.

1. In Segment 2, erosion repairs were conducted at Tower 25. Other erosion repair work is on hold due to an active red-tailed hawk nest in the tower.

Environmental Compliance:

1. On May 10, the CPUC EM was notified that a recorded cultural resource near Tower 21 could not be located and that the area had been graded. SCE provided a report documenting the finding to the CPUC indicating that the cultural monitors had moved the site artifacts during construction of Segment 2 and a report of evaluation is expected to be submitted to the CPUC.
2. Hydroseeding for erosion control has been completed throughout Segment 2. Revegetation is planned for the fall of 2010.

No Non-Compliance Reports or Project Memoranda were issued for Segment 2 construction activities. Non-Compliance activities for the project to date are summarized in Table 4.

Agency Representatives during Construction (other than CPUC EMs):

None

SEGMENT 3: ANTELOPE-WINDHUB/WINDHUB-HIGHWIND

The NTP for Segment 3A (NTP #17) was issued by the CPUC on October 22, 2008. Segment 3A involves the construction of a new 25.6-mile 500 kV transmission line initially energized at 220 kV connecting SCE's Antelope Substation in the City of Lancaster to the new Windhub Substation on Oak Creek Road in the Tehachapi area of Kern County. The NTP for the new Windhub Substation (NTP #19) was issued by the CPUC on December 1, 2008. Construction of the Segment 3A transmission line has been completed and energization has not been scheduled. Construction of Segment 3B is expected to begin in the fall of 2010.

Summary of Activity

1. Construction of the Oak Peak microwave tower continued. Cable installation to connect each antenna continued.
2. Construction continued at the Windhub Substation (see Figure 2).

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.

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

Agency Representatives during Construction (other than CPUC EMs):

None

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. Construction activities include the establishment of yards and Vincent Substation expansion.

Summary of Activity

1. Activities continued under CPUC NTP #2 for the expansion of the Vincent Substation. Grading of the expansion area has yet to occur. Other activities included clearing an area for trailers to be relocated, foundation prep-work, and cable trenching, all within the existing substation area (see Figure 3).
2. The Rancho Vista Yard in Rancho Cucamonga and Yard 28 in Lancaster have been constructed and material has been delivered to the Rancho Vista Yard. Materials for Yard 28 are expected to be delivered in the next few weeks.

Environmental Compliance:

1. Several new nests were identified near the Vincent Substation during the subject period. Two new nests were identified and a 300-foot buffer was immediately in place. This created some confusion, because the paved Angeles Crest Highway was within the buffer. SCE obtained CDFG concurrence to

continue use of the road. Rockyford Road, also within the buffer, was closed to construction and crews are able to access the substation through the main entrance.

2. During a site visit to the proposed Mesa Yard in Monterey Park, the CPUC EM observed an SCE crew conducting vegetation removal in the area. A memorandum was submitted to SCE seeking an explanation of the observed activities. It was reported by SCE that the vegetation removal activities were related to Operation & Maintenance clearing of the existing transmission line right-of-way; however, no written response has been provided to date.

No Non-Compliance Reports or Project Memoranda were issued during the subject week 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

CONTRACTOR YARDS: ALL SEGMENTS

Contractor Yards are listed below along with a summary of current status.

- Racetrack Yard - Final clean up completed
- Pumpkin Yard - Final clean up completed
- Pottery Yard - Final clean up completed
- Hydrant Yard - Final clean up completed
- 10 Acre Yard - Final clean up and decompaction completed; has not been reseeded.
- Avenue I Yard, Segments 2 & 3A: In use
- Mojave Yard, Segments 2 & 3A: In use.
- Highwind Yard, Segment 3B: Has not been constructed
- Avenue J Yard, Segments 4-11: In use.
- Yard 28, Segments 4-11: Established. Material delivery expected mid-June.
- Rodeo Yard, Segments 6 & 11: In use for geotechnical work on ANF
- Huntington Drive Yard, Segments 6 & 11: In use for geotechnical work on ANF
- Rancho Vista Yard, Segments 4-11: Established. Minimal material storage at present.

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 06/22/2010)

| 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. |

| NTP #/ Permit | Date Requested | Date Issued | Segment # | Description |
|-----------------------------------|-------------------|-----------------|--------------|---|
| 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. |
| #8 | 04/27/10 | 06/04/10 | 8 | Segment 8 Contractor Yards |
| | 04/08/10 | Under review | 7, 8 | 66 kV re-route and relocation |
| | 05/08/10 | Under review | 8 | Segment 8 Transmission Line, Chino Hills, Phase I |
| ANF PERMTTING – 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 06/22/2010)

| 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. |
| 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. |
| 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 |

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
(Updated 06/22/2010)

| 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 06/22/2010)

| 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. |

PROJECT PHOTOGRAPHS



Figure 1: Continued construction at the Antelope Substation expansion area.



Figure 2: Materials stored at the Windhub Substation adjacent to the microwave tower and MEER building.



Figure 3: Trenching work taking place at the Vincent Substation.