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

To: John Boccio, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: June 30, 2010
Subject: Weekly Reports 125-126 — June 6 to June 19, 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): Jenny Slaughter and Allison Roth

SEGMENT 1: ANTELOPE-PARDEE

Summary of Activity:

1. Grading of the Antelope Substation continued and additional soil was delivered from Windhub Substation (see Figure 1).
2. The Sagebrush 220 kV transmission line relocation continued with the installation of four new tubular steel poles.
3. The 66 kV crew pulled cable to vaults near Towers 171 and 172.
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. 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. The anticipated fledge date is the week of June 21st.

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.

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 continued at the Windhub Substation.

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. A new house finch nest was identified during the subject period approximately 50 ft. east of where crews planned to dig a trench for the installation of a conduit. SCE received concurrence from CDFG for a buffer reduction to 25 feet.

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 as well as Segment 7 telecom work.

Summary of Activity

1. Activities continued under CPUC NTP #2 for the expansion of the Vincent Substation within the existing substation disturbance area. Grading of the 550 kV expansion area is expected to begin in mid-July. Activities within the existing substation disturbance area included trenching, base pad preparation, and fence post installation.
2. The Rancho Vista Yard in Rancho Cucamonga began receiving materials on June 7, 2010. Materials were off-loaded in the northeast portion of the yard (see Figure 2). Orange fencing in the yard clearly demarcated the 50-foot buffer for Delhi sands flower-loving fly; no construction activity occurred within the sensitive area.
3. Yard 28 in Lancaster has been constructed and material delivery is underway. In anticipation of increased activity in the yard in the coming weeks a WEAP training for personnel is scheduled for June 30.
4. Segment 7 Telecom work included underground trenching within the Rio Hondo Substation and installation of a wood pole. Segment 7 telecom work also included helicopter activities, including lifting equipments, tools, and workers to support fiber optic cable installation between towers and spanning Interstate 605 (see Figures 3 and 4).

Environmental Compliance:

1. Two new nests were discovered within the perimeter of Vincent Substation, a mourning dove and a cactus wren. A new CDFG concurrence for the use of Rockyford Road was needed because the cactus wren nest within the 300-foot buffer had previously fledged, but was producing a second brood. Additionally, an adult gopher snake, a family of deer mice and a side-blotched lizard were relocated from work areas by the monitoring biologists.
2. On June 17, 2010, a concrete truck stopped within a buffer reduction zone for a California thrasher nest for 7 minutes along Rockyford Road outside of Vincent Substation. This violated the CDFG buffer reduction concurrence conditions which include no vehicles idling or stopping. The monitoring biologists reported no biological impacts associated with the incident.
3. There was unauthorized use of a helicopter support zone for aerial loading and unloading of equipment and workers during Segment 7 Telecom work on June 13. The unauthorized area was a concrete yard on the west side of I-605 adjacent to the southwestern extent of the project area. The contractor was told to immediately halt work at the helicopter support zone. The contractor discontinued use of the helicopter support zone and completed work using approved work areas.
4. The helicopter refueling BMP requires plastic drop sheeting or drip pans to be placed underneath the helicopter during refueling. The Segment 7 Telecom contractor indicated it was unsafe to refuel in this way. SCE will provide extra spill kits at incidental helicopter refueling locations in the future, and drop sheeting or drip pans will not be used for incidental helicopter refueling stations on TRTP.
5. While touring the 66 kV right-of-way as part of the 66 kV Notice to Proceed request, the CPUC EMs discovered that recent mowing had occurred in the protocol survey area for coastal California gnat-catcher. SCE was notified of the observation and is researching internally with their Operations and Maintenance department to determine if they were responsible for the vegetation removal.

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 3B: In use.
- Highwind Yard, Segment 3B: Has not been constructed
- Avenue J Yard, Segments 4-11: In use.
- Yard 28, Segments 4-11: Established.
- 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 06/30/2010)

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.

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
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
	06/22/10	Under review	9	Whirlwind Substation
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 06/30/2010)

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.
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	06/24/10	06/25/10	1	Expansion of construction hours for Sagebrush 220 kV T/L and foundation installation work at 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 06/30/2010)

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 06/30/2010)

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.

PROJECT PHOTOGRAPHS



Figure 1: Grading continued at the Antelope Substation.



Figure 2: Material delivery to the Rancho Vista Yard. Exclusion fencing for the Delhi sands flower-loving fly area is seen in background.



Figure 3: Trenching inside of the Rio Hondo Substation for the Segment 7 Telecom work.



Figure 4: Helicopter installation of the Segment 7 Telecom line near the Rio Hondo Substation.