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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 3, 2010
Subject: Weekly Reports 121-122 — May 9 to May 22, 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. 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, SCE decided to import soil from Windhub Substation to continue with the cut and fill operations at the Antelope expansion area. Approximately 40 trucks per day delivered soil to the substation over five days.
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. No work on the 66 kV transmission line relocation surrounding the Antelope Substation expansion area took place during the subject period. Previously, the underground portion had been installed and foundations for the riser poles were completed. Crews will return at a later time to install the poles and the conductor.
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. Bird nesting clearance surveys are being conducted in advance of construction or restoration activities as required by adopted mitigation measures. High winds hampered clearance surveys and some had to be repeated during suitable conditions at the Antelope expansion area.
2. High winds caused dust problems at the Antelope expansion area. The problem was brought to the attention of the SCE Site Manager. Water trucks are present, but during high winds dust was still observed leaving the work site (see Figure 1).
3. During soil delivery from Windhub Substation, trucks were arriving together instead of in 5-minute intervals. Because the trucks had to drive past an active nest, CDFG gave permission for this buffer encroachment provided that the trucks were spaced apart and that they would be stopped if the birds were determined to be disturbed by the traffic. Because the trucks could not be spaced out, SCE stopped use of the access road near the nest and an alternative entrance and exit was found to avoid use of the road near the nest.
4. 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; the status of these eggs is expected to be submitted to the resource agencies soon.
5. Erosion repairs are taking place by both ECORP/Nature's Image and PAR construction as needed. Major repairs were conducted at Towers 99.

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. No work associated with Segment 2 took place during the subject period.

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. Crews completed the assembly and dish attachment. Cable installation to connect each antenna continued.
2. Construction continued at the Windhub Substation.

Environmental Compliance:

1. An active house finch nest was located within the Windhub Substation. A reduced buffer was approved by CDFG to allow for workers to remove adjacent materials.
2. 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 2). Topsoil salvage took place for a small, cleared area and is being stored onsite.

2. The Rancho Vista Yard in Rancho Cucamonga and Yard 28 in Lancaster have been constructed and are ready for material delivery, expected in early-June.

Environmental Compliance:

1. Several new nests were identified near the Vincent Substation during the subject period. New nests along Rockyford Road were found and construction vehicles were allowed to continue use of the road, within the established resource buffers. SCE reported this as a Level 1 Non Compliance and notified the Lead CPUC EM by phone. SCE contacted CDFG and obtained permission for construction vehicles to continue use of Rockyford Road provided that there would be no vehicle stopping in the area of the nests.
2. SCE reported a second Level 1 Non Compliance on May 13 for construction within a common raven nest buffer at the Vincent Substation. Subsequent approval for construction within this buffer was granted by CDFG.
3. 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 early-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 06/03/2010)

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	Under review	1 & 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.
	04/08/10	Under review	7, 8	66 kV re-route and relocation
	04/27/10	Under review	8	Segment 8 Contractor Yards
	05/08/10	Under review	8	Segment 8 Transmission Line, Chino Hills, Phase I

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
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 06/03/2010)

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	Under review	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	Under review	7	Relocation of helicopter landing zone for Segment 7 telecommunications work.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS
 (Updated 06/03/2010)

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 06/03/2010)

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.

PROJECT PHOTOGRAPHS



Figure 1: Fugitive dust observed during grading activities at the Antelope substation expansion area.



Figure 2: Construction at the Vincent Substation within the existing substation.

