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PROJECT MEMORANDUM

ANTELOPE PARDEE PROJECT, SEGMENTS 1 AND 2

To: John Boccio, Project Manager, CPUC
Justin Seastrand, Project Manager, ANF
From: Vida Strong, Aspen Project Manager
Date: October 23, 2008
Subject: Weekly Reports #39 and #40, October 5 to October 18, 2008.

The Antelope-Pardee Project, Segment 1, is comprised of three sections:

- Section 1: Pardee Substation to the ANF boundary.
- Section 2: ANF
- Section 3: ANF Boundary to the Antelope Substation

During the subject period, construction activity continued under Notice to Proceed (NTP) #7 for construction of Section 1 and NTPs #2 and #11 for construction of Section 3, including the Antelope Substation. With the exception of 66 kV conductor removal, no work was conducted in Section 2, on the Angeles National Forest, pending the issuance of construction permits. Equipment, materials, and office trailers are being staged in approved construction yards.

SECTION 1

CPUC/Aspen Environmental Monitors (EM): Jenny Slaughter and Arturo Ruelas.

Summary of Activity:

The Shoofly (temporary bypass line) of the Antelope Pardee Transmission Line Project authorized under NTP #5 was energized on May 10th. The lattice tower structures originally supporting the line are being replaced to accommodate construction of the new Antelope Pardee 500 kV structures within the Shoofly corridor.

NTP #7 for Section 1 of Segment 1 was issued by the CPUC on May 8th. Construction activities approved under NTP #7 in Section 1 include the removal of the Saugus–Del Sur 66 kV line and towers, the construction of the new 500 kV lattice towers, and the removal of the existing 220 kV Santa Clara Vincent line and towers. Construction activities under NTP #7 during the subject week consisted of the following activities.

1. Wire stringing in Section 1 continued between towers NC 2 and NC 11. Three phases of conductor have been pulled in and are currently being clipped in and sagged.
2. Equipment and material including cranes and guard poles were mobilized to the Haskell Canyon area in preparation for the conductor removal over the LADWP corridor. In order to protect the LADWP lines, four cranes will be used and two new steel poles to protect the LADWP lines while the conductor is removed (see Figure 1). The conductor removal will take place beginning on October 19th, while the LADWP lines are under a maintenance outage.
3. On October 8th an existing culvert collapsed due to construction traffic on the access road leading to NC 27. The culvert was replaced and improved within two days of being damaged (see Figure 2).
4. Along the Saugus–Del Sur 66 kV line, all but two towers have been dismantled and removed in Section 1. These are planned to be removed concurrent with the tower removal in Section 2 later this year.



5. Biological monitoring and associated biological clearance surveys of Section 1 construction areas are being conducted by Burns and McDonnell and BRC biologists. Paleontological monitors were present to monitor new ground disturbing construction activities.

Environmental Compliance:

1. Erosion controls are being installed once construction crews have completed ground disturbing activities, such as new road construction.
2. CDFG was notified when the damaged culvert was repaired.

No Non Compliance Reports (NCR) or Project Memoranda were issued during the subject period for Section 1 project activities. Non-Compliance reports issued to the project to date are summarized in Table 4 near the end of this report.

Agency Representatives:

None.

SECTION 2, ANF & ADJACENT YARDS

ANF Representative: George Geer

CPUC/Aspen Environmental Monitor (EM): Jenny Slaughter and Arturo Ruelas.

Summary of Activity:

On July 14, 2008, the Forest Service issued a fully executed copy of the Special Use Permit that authorizes SCE to remove the 66-kV conductor, know as the Saugus–Del Sur, from National Forest System lands. The Forest Service also provided written notice that SCE can proceed with the implementation of Phase I of the 66-kV conductor removal, from tower 7-3 (near southern Forest boundary) to 16-3 (near Bouquet Reservoir). A Notice to Proceed (NTP) from the CPUC for the Phase I activity was issued on July 18th.

On September 23, the ANF issued Amendment #2 to Special Use Permit allowing the Phase II activities. An NTP for the Phase II work was issued by CPUC on September 24th.

1. PAR crews completed the conductor removal in the ANF on October 6th (see Figure 3).

Environmental Compliance:

No CPUC Non-Compliance Reports (NCR) or Project Memoranda (PM) were issued during the subject period for Section 2 construction. Non-Compliance reports issued to the project to date are summarized in Table 4.

SECTION 3, ANTELOPE SUBSTATION, & ADJACENT YARDS

CPUC/Aspen Environmental Monitor (EM): Jenny Slaughter and Arturo Ruelas.

Summary of Activity:

Section 3 includes the construction of the 500 kV towers, the dismantling of the Saugus–Del Sur 66 kV transmission line, the construction of the 12 kV distribution line, and the Antelope Substation expansion for the Antelope Pardee Project.

NTPs #10 (for the 12 kV component of Section 3 of Segment 1) and #11 (for the 500 kV tower construction and dismantling of the 66 kV transmission line) were issued by the CPUC on June 25th. Construction activities approved under NTP #2 continued for the Antelope Substation expansion work. Construction of the 12 kV distribution line as authorized under NTP #10 has been completed, with the exception of an underground component, and the line was energized on September 2nd.

Construction activities under NTPs #2 and #11 during the subject week consisted of the activities noted below. United Construction is the subcontractor to PAR responsible for the wreck-out of the 66 kV lattice towers. PAR Construction is responsible for constructing the 500 kV structures.

1. Construction activities covered under NTP #10 for the Hughes Lake 12 kV distribution line began on July 12th. Construction crews worked from the Antelope Substation west toward Elizabeth Lake Road. All new 12 kV poles have been set and the conductor is in place. The line was energized on Tuesday, September 2nd. Other work associated with the 12 kV Hughes Lake portion of Section 3 include an underground component on private property. This work is on hold until the cultural resource testing takes place, scheduled to begin October 13.
2. The underground portion of the 12 kV work was tested by project archaeologists the week of October 13th. A testing report is expected documenting the results of the excavations, prior to construction of the underground line.
3. Grading, foundation drilling, and setup of the 500kV towers started on August 20th. Tower assembly took place on several lattice towers near the Antelope Substation. In Section 3, a combination of single circuit lattice towers and tubular steel poles are used to support the new 500 kV line. Foundation work for the 500 kV towers has not begun on the Reitano Ranch within Section 3.
4. Grading, grounding, and fencing of the Antelope Substation expansion area has been completed. An earthen berm was constructed surrounding the expansion area to assist in drainage. Crews continue the construction of the new substation components within the expansion area

Environmental Compliance:

1. Because the original biological pre-construction surveys were incomplete, SCE is required to conduct further pre-construction clearance surveys to identify resources in Section 3. Clearance survey results for the Reitano property were submitted September 23rd, and field verified by the CPUC EM. The CPUC EM completed the biological survey review and approval was given to SCE on September 25th.
2. A spill resulting from a broken hydraulic hose was reported in Section 3 on October 14th. No spill incident report has been submitted to date.
3. Archaeological and Native American Monitors were present during 66kV wreck-out and 500kV construction when required.

No CPUC Non-Compliance Reports (NCR) or Project Memoranda (PM) were issued during the subject period for Section 3 construction. Non-Compliance reports issued to the project to date are summarized in Table 4.

SEGMENT 2

Summary of Activity:

The Notice to Proceed for Segment 2 construction (NTP #14) was issued by the CPUC on September 30th. No construction has occurred in Segment 2 to date.

1. As conditioned in the NTP, all sensitive resources will be flagged for avoidance and verified by the CPUC EM. Flagging of biological resources, disturbance areas, and access roads was completed between Towers 18 and 28, and was verified by the CPUC EM. No work has started in this area of Segment 2.

2. On October 15th, the CPUC EM was notified that SCE crews had began to deliver wood poles to the right-of-way for the 66 kV relocation behind the Antelope Substation. This area had not yet been flagged for resources or had disturbance areas marked in the field. The Burns and McDonnell Environmental Inspector was told that the SCE crews would not be working until the following Monday, and was preparing to flag the work area in advance of the crews. The SCE crews were told to come back on Monday after the flagging was in place. The CPUC EMs toured the area of the 66 kV relocation and verified flagging between the substation and 90th Avenue.

3. Burns & McDonnell biologist and CPUC EM's conducted a visual field verification of flagged disturbance areas, roads and wire stringing sites ahead of construction activities schedule to start on October 21st.

CPUC NOTICES TO PROCEED (NTPs) & ANF PERMITTING

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

TABLE 1
CPUC NTPs & ANF PERMITTING
(Updated 10-23-08)

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
CPUC NTPs				
#1	10/10/07	10/16/07	1 & 3	Mojave Marshalling Yard. Per the request, the yard will primarily be used to store construction equipment and materials for the project.
#2	11/16/07	12/10/07	1	Antelope Substation construction and expansion, as well as the use of two adjacent contractor laydown yards.
#2 Mod	12/21/07	01/02/08	1	Allow grading activity at the Antelope site/yards and replacement of an existing 80 foot microwave tower with a new 120-foot tower immediately outside of the communications room within the fenced area of the Antelope Substation.
#3	01/10/08	01/16/08	1	Use of five contractor laydown yards as named Pumpkin Yard, Pottery Yard, Pardee Substation Yard, Mechanics Yard and Avenue I Yard.
#4	01/29/08	02/04/08	1 & 3	Use of the Racetrack Marshalling Yard.
#5	02/19/08	02/28/08	1	Shoofly Construction, Section 1.
#5 Mod #1	03/11/08	03/19/08	1	Use of a new soil disposal site for the Shoofly construction, Section 1.
#5 Mod #2	03/24/08	03/26/08	1	Removal of the 66 kV conductor on the Saugus–Del Sur line during the outage scheduled for March 27, 2008.
#6	03/19/08	03/29/08	1	Use of three additional construction yards, Rodeo, Blue Cloud, and Pumpkin expansion. Rodeo yard approved under NTP #9.
#7	04/03/08	05/08/08	1	Section 1 Construction.
#8	05/01/08	05/09/08	1	10 acre marshalling yard near Antelope Substation.
#9	03/18/08	06/18/08	1, 2, 3	Rodeo Yard
#10	06/02/08	06/25/08	1	12 kV line (Hughes Lake Distribution Line).
#11	06/03/08	06/25/08	1	Section 3 construction.
#12	06/27/08	07/08/08	1	Hydrant Yard

NTP #/ Permit	Date Requested	Date Issued	Segment #	Description
#13	07/17/08	07/18/08	1	Removal of the 66 kV conductor within the ANF, Phase 1, from tower 7-3 (near southern Forest boundary) to 16-3 (near Bouquet Reservoir).
#14	Initial submittal 07/11/08	09/29/08	2	Segment 2 construction.
#15	09-24-08	09/24/08	1	Removal of the 66 kV conductor within the ANF, Phase 2.
#16	10/01/08	10/09/08	1	Section 3, Reitano Marshalling yard.
#17	Initial submittal 09/12/08	Under Review	3	Segment 3A construction
ANF PERMITTING				
	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

VARIANCE 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 10-23-08)

Variance Request	Date Requested	Date Issued	Segment #	Description
VR #1	04/01/08	04/03/08	1	Change in construction of a overland travel road to Shoofly pole 18, to a temporary road construction method.
VR #2	04/18/08	04/19/08	1	Several expanded stringing sites, new staging areas, and guard pole installation sites for the removal of the 220 kV line.
VR #3	04/24/08	05/25/08	1	Weekend work along the Shoofly portion of Section 1, within the City of Santa Clarita and Los Angeles County, and at the Antelope Substation, Avenue J, in the City of Lancaster.
VR #4	05/08/08	05/09/08	1	Weekend work along the 66 kV line in Section 1

VR #5	07/15/08	VR will be submitted as separate requests		Expansion of guard pole structure areas in Haskell Canyon, New wire stringing site between NC 11 and 12, and crane pad near NC 20.
VR #6	07/30/08	07/30/08	1	Modification to the notice and review requirements under Mitigation Measures L-5 and L-6.
VR #7	08/12/08	08/16/08	1	Wire Stringing site in Section 1 between NC 11 and 12.
VR #8	08/20/08	08/27/08	1	Guard poles at Haskell Canyon outside of approved disturbance areas.
VR #9	08/19/08	09/09/08	1	Valuzet Movie Ranch Helicopter Landing Zone, Section 1.
VR #10	08/21/08	08/27/08	1	Permission to leave one tower foundation in place at wreck-out tower 24/2 in Section 1, due to likelihood of slope failure.
VR #11	09/12/08	09/16/08	1	New temporary road construction to NC 97 in Section 3.
VR #12 (revised)	09/17/08	Withdrawn	2	Permanent access roads for Segment 2 (see NTP #14).
VR #13	09/16/08	09/17/08	1	Turn around for equipment at NC 28 in Section 1.
VR #14	09/18/08	Denied 09/25/08	2	Permanent and temporary access roads in excess of 10% gradient on Segment 2 (see NTP #14).
VR #14 (revised)	10/03/08	Withdrawn	2	Temporary access roads in excess of 10% gradient on Segment 2.
VR #15	9/20/08	9/26/08	1	Access road changes, Section 3.
VR #16	09/26/08	Under CPUC review	3	Permanent access roads for Segment 3A.
VR#17	10/14/08	10/15/08	1	Extended weekend work hours between NC 22 & 23 Haskell Canyon utility crossing.
VR#18	10/15/08	10/16/08	1	Wreck-out Tower 25/5 disturbance area and access road and footing removal. Segment 1 section 3.

TABLE 3
TEMPORARY EXTRA WORKSPACE (TEWS) REQUESTS FOR SEGMENT 1
(Updated 10-23-08)

TEWS Request	Date Requested	Date Approved	Description
TEWS 1	May 15, 2008	May 16, 2008	Extra Workspace for steel placement outside of disturbance limits adjacent to New Construct tower (NC 3) in Section 1.
TEWS 2	May 19, 2008	May 21, 2008	Extra Workspace for steel placement adjacent outside of disturbance limits to New Construct tower (NC 12) in Section 1.
TEWS 3	May 20, 2008	May 20, 2008	Extra Workspace for equipment parking outside of disturbance limits along shoulder of private road adjacent to New Construct tower (NC 2) in Section 1.
TEWS 4	May 27, 2008	May 27, 2008	Access for crew trucks to 66 kV wreck-out tower 6-1.
TEWS 5	July 3, 2008	July 16, 2008	Extra Workspace for steel placement and tower assembly near NC 12.
TEWS 6	September 4, 2008	September 4, 2008	Use of Staging area adjacent to NC 2 in Section 1.
TEWS 7	September 4, 2008	September 4, 2008	Use of dirt road adjacent to ten acre yard, Section 3.

TEWS 8	September 11, 2008	September 11, 2008	Helicopter landing site, Section 3.
TEWS 9	September 18, 2008	September 18, 2008	Use of 3 acres of disturbed land adjacent to the Lower Pumpkin Yard.
TEWS 10	October 3, 2008	October 3, 2008	Use of 2 acres of disturbed land in the Lane Ranch for parking equipment, Segment 2.

Non-Compliances

A summary of Project Memorandum and Non-Compliance Reports issued to date are provided in Table 4.

TABLE 4
NON-COMPLIANCES, PROJECT MEMORANDA, AND OTHER INCIDENTS
(Updated 10-23-08)

Type	Date	Location	Description
Project Memorandum	March 25, 2008	Segment 1, Section 1	Deposition of soil into drainage at Soil Disposal site.
Project Memorandum	April 18, 2008	Segment 1, Section 1	Encroachment into Environmentally sensitive area during stringing operations.
Project Memorandum	April 30, 2008	Segment 1, yards	No clearance surveys of construction yards being conducted during bird nesting season.
Project Memorandum	May 21, 2008	Segment 1, Section 1	Inaccurate and incomplete resource maps.
Project Memorandum	August 26, 2008	Segment 1, Section 3	Completion of 12 kV wreck-out of 21 poles outside of disturbance area prior to Variance approval.
Incident	Sept. 10, 2008	Segment 1, Section 3	Spill resulting from overturned cement truck. Incident report documenting spill amounts submitted on October 15.
Incident	October 16, 2008	Segment 1, Section 3	Spill resulting from a broken hydraulic hose. Incident report pending.

PROJECT PHOTOGRAPHS-SEGMENT 1



Figure 1: Steel poles and crane guard structures being erected at Haskell Canyon for the LADWP utility crossing.



Figure 2: A collapsed culvert was replaced along the access road approaching NC 27, Section 1.



Figure 3: Crews completed the conductor removal in the ANF on October 6th.