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**PROJECT MEMORANDUM
SCE EL CASCO SYSTEM PROJECT**

To: Lynne Mosley, CPUC
From: Vida Strong, Aspen Project Manager
Date: July 27, 2012
Subject: Report 52: March 24 – May 18, 2012

CPUC ENVIRONMENTAL MONITOR (EM): Justin Wood

CPUC EM, Justin Wood, was on site May 7th and 9th during the subject period.

The SCE El Casco Project includes the following components:

- Construction of the new El Casco 220/115/12-kilovolt (kV) Substation within the Norton Younglove Reserve, Riverside County, California;
- Replacement of approximately 15.4 miles of existing single-circuit 115 kV subtransmission lines with new, higher capacity single-circuit 115 kV subtransmission lines and replacement of support structures within existing SCE ROWs in the Cities of Banning and Beaumont and unincorporated Riverside County;
- Rebuilding 115 kV switchracks within Zanja and Banning Substations in the Cities of Yucaipa and Banning, San Bernardino and Riverside Counties, respectively;
- Installation of telecommunications equipment at the El Casco Substation; and
- Installation of fiber optic cables within public streets and on existing SCE structures between the Cities of Redlands and Banning in San Bernardino and Riverside Counties, respectively.

EL CASCO SUBSTATION

Work has been completed within the El Casco Substation (see Figure 1).

In the vicinity of the Substation, crews continued working on the restoration of the temporary work areas. The irrigation well is not currently working so some of the recently installed container plants have died. There is no word on when the well will be repaired or container plants replaced. The areas hydroseeded after the completion of the substation are growing well (see Figure 2). Crews continued to work in the smooth tarplant mitigation site trying to gain control of the non-native species (see Figure 3). Crews are continuing to apply herbicide as needed to control weeds and are continuing to compact the soils to make the site more suitable for smooth tarplant.

BANNING SUBSTATION

Work has been completed at the Banning Substation.

ZANJA SUBSTATION

All work has been completed within the Zanja Substation.

Erosion control hydroseeding with a native plant mix was applied on September 17, 2010, and the week of December 6th, 2010. During the fall of 2011, minimal germination had been observed, so an additional hydroseed application was conducted on December 14, 2011. During the subject period, SCE received a



notice from the San Bernardino County Fire Department that the vegetation was a fire hazard and needed to be mowed. SCE promptly mowed the vegetation to be in compliance with the fire code. The CPUC EM visited the site after this mowing and documented that native vegetation was still persisting and that an attempt was successfully made to avoid impacts to all of the native vegetation (see Figure 4).

115-kV SUB-TRANSMISSION LINE REPLACEMENT

The Notice to Proceed (NTP) request for the 115 kV sub-transmission work was submitted to CPUC by SCE on March 3, 2009. On January 5, 2010, NTP #7 was issued to begin construction of Segment 3 while pending submittals and analysis for the other segments are being processed. Segment 3 is a one to one pole replacement within the Sun Lakes Development in Banning between Highland Springs Road and Highland Home Road. Work has been completed on Segment 3.

Notice to Proceed #8 for construction of Segments 5 through 8 was issued by CPUC on July 19, 2010. Work on Segment 8 began on October 26, 2010. All of Segment 8 has been completed. During the subject period crews completed nearly all work on Segment 7. Work on the remaining towers of Segments 5, 6, and 7 will resume after bird nesting season.

Notice to Proceed #9 for construction of Segment 1 was issued by the CPUC on February 22, 2012. A biological clearance survey was also completed and validated for Segment 1. Work on Segment 1 began at the end of March. Most of Segment 1 was completed during the subject period.

Notice to Proceed #10 for construction of Segment 2 and 4 was issued by the CPUC on May 18, 2012. However, no work occurred on Segments 2 or 4 during the subject period.

CONSTRUCTION YARDS & OTHER WORKSPACE NEEDS

Variance Request #1 for a laydown yard immediately south of SCE's existing Maraschino Substation in the City of Beaumont, Riverside County, was requested on April 1 and approved by CPUC on April 16, 2009. Construction of the laydown yard began on May 28 and was completed by June 12, 2009. The yard is currently being used for the storage of materials, including transmission towers.

ENVIRONMENTAL COMPLIANCE

- Biological mitigation monitoring is still being provided by Environmental Intelligence (EI), LLC (formerly Natural Resource Consultants). During the subject period, EI Biological Monitors were continually present during construction along segments of the sub-transmission line work on as well as at El Casco Substation during landscaping activities.
- Equipment was continually checked for air pollution control compliance. The Chambers Monitor continued to check equipment for leakage. Dust and track out are no longer problems at the El Casco Substation since construction of the substation pad is completed and the roadways have been paved.

Table 1 provides a summary of the Non-Compliance Reports (NCRs) and Project Memorandum (PM), and other incidents (i.e., spills, etc.) for the SCE El Casco System Project.

**TABLE 1
NCRs, PROJECT MEMORANDA, AND OTHER INCIDENTS
(Updated 07-27-12)**

Type	Date Issued	Description
PM #1	03/16/09	Failure to comply with Mitigation Measure B-18 before, during and after vegetation clearing at the El Casco Substation site. Construction equipment went outside of approved Project boundaries.
	08/21/09	A SCE internal noncompliance at the Banning Substation was issued for mobilization of the site before environmental training and biological pre-construction sweep were conducted.
PM #2	08/27/09	The initiation of construction activity before CPUC authorization and validation of the biological survey at the site of the NTP #3, MOD #1 pole work in Banning.
PM #3	01/14/10	Use of an unapproved area for staging and parking at the Zanja Substation site.
PM #4	03/16/10	Riparian work during nesting bird season along El Casco Substation access road.
PM #5	04/16/10	Installation of a Section of Fiber Optic Cable without CPUC Notification of Route Change or Prior Biological Survey
Incident	06/21/10	SCE O&M grading on restricted access road.
PM #6	08/11/10	Construction activity without a Biological Monitor present within 500 ft. of the riparian corridor, and no noise monitoring.

NOTICE TO PROCEED (NTP) SUMMARY

Table 2 summarizes the NTPs submitted, reviewed, and issued to date for the SCE El Casco System Project.

**TABLE 2
NOTICES TO PROCEED
(Updated 07-27-12)**

NTP #	Date Requested	Date Issued	Description
#1	02/20/09	02/23/09	Vegetation clearing activities at the future El Casco Substation Site located in the Norton Younglove Reserve Area in Riverside County.
#2	05/15/09	05/22/09	Construction of the underground fiber optic elements of the El Casco System Project in the Cities of Banning and Beaumont.
#3	04/10/09	08/13/09	Banning Substation
#3 Mod #1	08/21/09	08/26/09	Modify work within Banning Substation and add work at 3 existing transmission poles located outside of the substation.
#4	03/05/09	08/27/09	Fiber optic cable installation, remaining (see NTP #2).
#4 Mod #1	09/30/09	10/02/09	Tree trimming.
#5	05/08/09	08/27/09	El Casco Substation construction.
#6	06/19/09	12/02/09	Zanja Substation
# 6 Mod #1	08/13/10	08/23/10	Replace old lattice tower with lightweight steel pole outside of Zanja Substation.
#7	12/17/09	01/05/10	Segment 3 of 115 kV subtrans element.
N/A	06/19/09	N/A	Mill Creek Communication Site – requested work suspended.
#8	02/26/10	07/19/10	Segments 5-8 of the 115 kV subtrans element.
Addendum	12/06/10	12/14/10	Permanent road extensions to two pole locations along subtrans Segment 8.

NTP #	Date Requested	Date Issued	Description
#9	02/02/12	02/22/12	Segment 1 of the 115 kV subtrans element.
#10	03/03/09	05/18/12	115 kV Sub-transmission lines replacement, Segments 2 & 4.

VARIANCE & TEWS REQUEST SUMMARY

Tables 3 and 4 summarize the Variance and Temporary Extra Workspace (TEWS) Requests submitted, reviewed, and issued to date for the SCE El Casco System Project, respectively.

**TABLE 3
VARIANCE REQUESTS
(Updated 07-27-12)**

Variance #	Date Requested	Date Issued	Description
#1	04/01/09	04/16/09	Usage of an empty fenced lot immediately south of SCE's existing Maraschino Substation, Beaumont, Riverside County, as a laydown yard to support Project construction.
#2	10/01/09	10/09/09	Placement of two water tanks and above ground pipe to feed water needs at the El Casco Substation site.
#3	09/30/09	10/15/09	FOC Temporary Circuitry: Banning and Calimesa Shoo Flies.
#4	09/30/09	10/15/09	Alternate Access to the Banning Substation from John Street.
#5	09/22/09	10/23/09	SCE has asserted within the variance request that several Geo & Hydro Mitigation Measures should not be required for the 115 kV Subtransmission Line Element.
#6	10/23/09	10/27/09	Installation of a Portable Fuel Tank at the El Casco Substation site.
#7	10/27/09	10/29/09	Project Description change from underground to overhead installation for fiber optics circuitry along Colton Avenue in the vicinity of the Mentone Substation.
#8	10/29/09	10/29/09	Removal of five Fremont cottonwood trees that are impacted by the construction of the access road to the El Casco Substation site.
#9	01/11/10	01/12/10	Sunday work on FOC shoo-fly segment during scheduled line outage.
#10	01/14/10	01/19/10	Use of the area east of the Zanja Substation fence line for parking and staging purposes.
#11	06/24/10	06/25/10	Sunday work on the FOC installation across Interstate 10 during minimum freeway traffic hours.
#12	07/22/10	07/23/10	Sunday work on the FOC installation across Highway 60 and Western Knolls Avenue during minimum freeway traffic hours.
#13	08/05/10	08/06/10	Nighttime deliveries of 220/115 kV transformer banks on August 13 th and August 17 th .
#14	09/08/10	09/13/10	Extended work hours to conduct the transfer of 50,000 gallons of oil into the two 220/115 kV transformer banks at ECSP
MOD #14	10/07/10	10/08/10	Extended work hours to conduct the transfer of oil into two additional 220/115 kV transformer banks at ECSP
#15	11/12/10	11/16/10	Extended work hours to conduct telecom splicing work and well pump testing at ECSP
#16	02/09/11	02/10/11	Extended work hours to continue work on the v-ditch at ECSP

Variance #	Date Requested	Date Issued	Description
#17	02/25/11	02/25/11	Sunday work on segment 7 requested. Variance approved with conditions, SCE chose to stop work and to not proceed with approval.
#18	09/23/11	10/07/11	Four additional extra workspace areas located in Segments 7 and 8.
#19	10/28/11	11/02/11	Nighttime installation of five new tubular steel poles within Segment 8.

TABLE 4
TEMPORARY EXTRA WORK SPACE REQUESTS
(Updated 07-27-12)

TEWS #	Date Requested	Date Issued	Description
#1	04/17/09	04/23/09	Fiber Optic material storage at the pre-existing Zanja Substation, Yucaipa, San Bernardino County
#2	07/20/09		Staging area in a vacant lot north of First Street and west of Highland Springs Road.
#3	02/04/10	02/05/10	Distribution line crew access through an adjacent privately owned field to set equipment on existing poles.

PROJECT PHOTOS



Figure 1: Overview of completed El Casco Substation. The photograph faces north.



Figure 2: View of restoration area just north of the El Casco Substation. The photograph faces northwest.



Figure 3: View of smooth tarplant mitigation area. The photograph faces east.



Figure 4: View of recently mowed restoration area east of Zanja Substation. The photograph faces east.