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PROJECT MEMORANDUM
SCE WEST OF DEVERS (WOD) UPGRADE PROJECT

To: Billie Blanchard, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: June 13, 2018
Subject: Monitoring Report #19: May 28 to June 10, 2018

Introduction

This report provides a summary of the construction and compliance activities associated with Southern California Edison’s (SCE) West of Devers (WOD) Upgrade Project.

CPUC Environmental Monitor (EM): Jamie Miner was onsite May 29 and 30. Lead EM Jenny Slaughter was onsite June 4 thru 8.

CPUC Notices to Proceed (NTPs)

Table 1 summarizes the NTPs with construction for the WOD Upgrade Project.

Table 1 - NTPs

(Updated 06/13/18)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	04/04/17	06/29/17	Material Yards	Construction or use of 10 Material Yards
NTP #2	05/18/17	06/29/17	Substation Upgrades	Upgrades to 5 existing Substations
NTP #3	06/05/17	08/10/17	Distribution, Subtransmission, and Telecom	Construction of the Distribution, Subtransmission, and Telecommunication portions of the Project
NTP #4	07/13/17	09/05/17	Transmission	Transmission Line Construction on private lands
NTP #5	08/07/17	03/29/18	Construction on BLM lands	Transmission Line construction on BLM lands

Construction & Compliance

A summary of construction and compliance activities is provided below by NTP.

Material Yards (NTP #1)

As defined in NTP #1, Project material yards (MY) include:

- Mountain View #1 MY
- Lugonia MY
- Grand Terrace MY
- Poultry MY



- San Timoteo MY
- Beaumont #1 MY
- Beaumont #2 MY
- Match MY
- Hathaway #2 MY
- Devers MY

CPUC granted authorization for material storage at the Devers MY in early October 2017. This authorization did not include any activities associated with construction or yard improvements, which are not expected to be required for the project.

After verification that preconstruction measures had been fulfilled, CPUC authorization to begin yard preparation work at the Mountain View #1 and Poultry MYs was provided on February 14, 2018, and authorization for the Beaumont #2 MY was granted on March 2, 2018. The preconstruction compliance package for the Match MY was received April 16, 2018 and authorization to begin yard preparation work was provided on May 1, 2018.

Summary of Construction Activity

1. For the currently approved material yards, Cold Smoke Fence Company is installing chain link fencing. All other activities are being performed by the contractor operating out of each respective yard.
2. The Mountain View #1 MY is being utilized by Hot Line Construction as their primary base of operations and materials/equipment storage location. Work associated with the Mountain View #1 MY was limited to material/equipment deliveries and general yard maintenance throughout the monitoring period.
3. The Poultry MY is being utilized by Barnard Construction as their primary base of operations and material/equipment storage location. Work associated with the Poultry MY included installation of a valve on the existing well head to supply water to the yard, materials/equipment deliveries, and general yard maintenance throughout the monitoring period.
4. The Beaumont #2 MY is being utilized by CJ/Aldridge Drilling as their primary base of operations and material/equipment storage location. Work associated with the Beaumont #2 MY was limited to material/equipment deliveries and general yard maintenance throughout the monitoring period.
5. The Match MY is being utilized by Barnard Construction primarily for tubular steel pole (TSP) storage. Work associated with the Match MY included chain link fence installation (see Photo 1).
6. No project-related activities occurred at the Devers MY throughout the monitoring period.

Environmental Compliance

1. All construction activities associated with NTP #1 were in compliance with Project mitigation measures, permit conditions, and plan requirements throughout the monitoring period.
2. There were no SWPPP maintenance items associated with NTP #1 recorded during the monitoring period. To date, there are no open SWPPP maintenance items associated with NTP #1.
3. There were no reportable (> 1 gallon) spills associated with NTP #1 identified during the monitoring period.

4. There were no new active nests and no fledged/failed (non-project) nests associated with NTP #1 reported during the monitoring period. To date, there is one active nest (house finch) located within work areas associated with NTP #1. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the Project Nesting Bird Management Plan (NBMP).
5. Special-status species observed or identified at locations associated with NTP #1 during the monitoring period included orange-throated whiptail.

Substations (NTP #2)

Five substations are identified for improvements in NTP #2. These include:

- Etiwanda Substation
- San Bernardino Substation
- Vista Substation
- El Casco Substation
- Devers Substation

Summary of Construction Activity

1. Work associated with the San Bernardino Substation upgrades included trenching for conduit, setting forms, and installing cable connecting with the MEER building (see Photo 2).
2. Work associated with the El Casco Substation upgrades is currently postponed due to active nests located within bus positions. Work is scheduled to resume once the nests have fledged.

Environmental Compliance

1. All construction activities associated with NTP #2 were in compliance with Project mitigation measures, permit conditions, and plan requirements throughout the monitoring period.
2. There were no SWPPP maintenance items associated with NTP #2 recorded during the monitoring period. To date, there are no open SWPPP maintenance items associated with NTP #2.
3. There were no reportable (> 1 gallon) spills associated with NTP #2 identified during the monitoring period.
4. There were eleven new active nests and two fledged/failed (non-project) nests associated with NTP #2 were reported during the monitoring period. To date, there are 23 active nests (least Bell's vireo [LBVI], spotted towhee, house finch, house wren, Anna's hummingbird, and red-tailed hawk) located within work areas associated with NTP #2. On April 26, SCE requested agency concurrence to modify existing buffers for LBVI active nests along the El Casco Substation access road. The request was threefold, including a reduction of one active LBVI nest buffer to continue activities within the walled substation, concurrence to permit ingress/egress through two active LBVI nest buffers encompassing the access road, and concurrence to permit ingress/egress through any future active LBVI nest buffers encompassing the access road. Concurrence from USFWS was granted on May 3. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the NBMP.
5. Special-status species observed or identified at locations associated with NTP #2 during the monitoring period included least Bell's vireo, willow flycatcher, and yellow warbler.

Distribution, Subtransmission, and Telecommunication Work (NTP #3)

As defined in NTP #3, distribution improvements consist of three work packages. These include:

- Dental 12-kV Distribution Circuit (Dental Circuit)
- Intern 12-kV Distribution Circuit Underbuild (Intern Circuit)
- Reconductor on Juanita Street (Juanita Reconductor)

As defined in NTP #3, subtransmission improvements consist of three work packages. These include:

- Removal of San Bernardino–Redlands-Timoteo and the San Bernardino–Redlands-Tennessee 66-kV Lines (Timoteo-Tennessee Removal)
- Relocation of San Bernardino–Redlands-Timoteo 66-kV Lines (Timoteo Relocation)
- Relocation of San Bernardino–Redlands-Tennessee 66-kV Lines (Tennessee Relocation)

As defined in NTP #3, telecommunication improvements consist of six work packages. These include:

- San Bernardino Substation Connection to Redlands Inland Empire District Office (San Bernardino Connection),
- Timoteo-Redlands District Office Fiber Optic Cable Connection (Timoteo-Redlands Connection),
- El Casco Substation Connection to Vista Moreno OPGW (El Casco Connection),
- Maraschino Substation Connection to Devers-Valley OPGW (Maraschino Connection),
- El Casco–Banning Connection to Devers-Vista Skywrap (El Casco–Banning Connection), and
- Banning Substation Connection to Devers-Valley OPGW (Banning Connection).

To date, all telecommunication, distribution, and subtransmission pre-compliance materials associated with NTP #3 have been submitted and approved.

Summary of Construction Activity

1. For the currently approved subtransmission components, major construction activities are being performed primarily by Hot Line Construction with support from CJ Drilling and Barnard Construction.
2. Work associated with the Timoteo Relocation subtransmission improvements included potholing for existing utilities and foundation excavation, and installation of lightweight tubular steel poles (LWTSPs) and tubular steel poles (TSPs).
3. Work associated with the Tennessee Relocation subtransmission improvements included, potholing for existing utilities, installation of underground vaults, trenching and installation of underground conduit, and foundation excavation and installation of LWTSPs and TSPs (see Photo 3).
4. Work associated with the Maraschino Connection telecom improvements has been completed.
5. Work associated with the El Casco–Banning Connection telecom improvements has been completed.

Environmental Compliance

1. All construction activities associated with NTP #3 were in compliance with Project mitigation measures, permit conditions, and plan requirements throughout the monitoring period.

2. On June 4, SCE submitted authorization from the City of Redlands regarding after-hours work scheduled for June 7 associated with vault installation along Iowa Street for the Tennessee Relocation.
3. There were three SWPPP maintenance items associated with NTP #3 recorded during the monitoring period. Each of these items was related to excessive trackout and each item was resolved within the 72-hour required time period. To date, there are no open SWPPP maintenance items associated with NTP #3.
4. There were no reportable (> 1 gallon) spills associated with NTP #3 identified during the monitoring period.
5. No new active nests and no fledged/failed nests associated with NTP #3 were reported during the monitoring period. To date, there is one active nest (golden eagle) located within work areas associated with NTP #3. A request for a buffer reduction associated with the golden eagle nest was submitted for agency review on February 15, 2018. On February 23, 2018, USFWS denied the request. No construction activities within the nest buffer are planned until the nest fledges. In the event nests are established, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the Project NBMP.
6. No special-status species were observed or identified at locations associated with NTP #3 during the monitoring period.

Transmission Work (NTP #4)

NTP #4 includes descriptions of six transmission line segments, identified as Segments 1 through 6.

The preconstruction compliance package for Segment 4 was received May 1, 2018 and authorization was granted on May 4, 2018. The preconstruction package for Segment 3 was received on June 1, 2018. Authorization was granted on June 12, 2018.

Summary of Construction Activity

1. For the currently approved transmission components, Power Grade Incorporated is conducting access road maintenance/stabilization, BMP installation, vegetation removal, and site grading.
2. Work associated with Segment 4 included access road maintenance. BMP installation was conducted at Tower Sites 4X47, 4X53, and 4X54. Vegetation removal was conducted at Tower Site 4X48. Site grading occurred at Tower Sites 4X51, 4X53, 4X54, and 4X55 (see Photo 4).

Environmental Compliance

1. All construction activities associated with NTP #4 were in compliance with Project mitigation measures, permit conditions, and plan requirements throughout the monitoring period (see Photos 5 and 6).
2. On June 7, the Lead CPUC EM was contacted by the State Water Resources Control Board regarding concerns with BMP installation on Segment 4. The concerns included the improper installation of perimeter BMPs at several locations where grading of tower pads was occurring. The CPUC EM met with SCE's Qualified SWPPP Practitioner and SCE's Environmental Compliance Lead to go over the concerns. On Friday, June 8, additional BMPs were added to Tower Site 4X53 including linear controls on the exposed slopes. Additional improvements were made to BMPs at Tower Site 4X48, where the BMPs had been observed to be installed against the contour lines.
3. There were no other SWPPP maintenance items associated with NTP #4 reported by SCE during the monitoring period. To date, there are no open SWPPP maintenance items associated with NTP #4.

4. There were no reportable (> 1 gallon) spills associated with NTP #4 identified during the monitoring period.
5. There were nine new active nests and five fledged/failed nests associated with NTP #4 identified during the monitoring period. To date, there are 21 active nests (house finch, western kingbird, common raven, and red-tailed hawk) located within work areas associated with NTP #4. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the Project NBMP.
6. Special-status species observed or identified at locations associated with NTP #4 during the monitoring period included ferruginous hawk, white-tailed kite, and orange-throated whiptail.

Transmission Work BLM Lands (NTP #5)

NTP #5 includes the portion of one transmission line segment, identified as Segment 6, which traverses properties managed by the Bureau of Land Management (BLM). NTP #5 was approved by BLM on March 29, 2018. To date, no work authorized by NTP #5 has been requested or has occurred.

Temporary Extra Workspaces (TEWS) and Minor Project Refinements (MPRs)

Table 2 summarizes the TEWS and MPRs for the WOD Upgrade Project to date. MPRs #14 and #15 were approved during the subject reporting period.

Table 2 - TEWS & MPRs
(Updated 06/13/18)

TEWS / MPC	Date Requested	Date Issued	Phase	Description
Temporary Extra Workspaces (TEWS)				
TEWS #1	10-12-17	10-19-17	Maraschino Connection	Access to Beaumont Cherry Valley District water hydrant meter located near the intersection of Highland Springs Avenue and Crooked Creek, Beaumont.
TEWS #2	11-13-17	11-21-17	El Casco– Banning Connection	Water source on Oak Valley Boulevard.
TEWS #3	12-15-17	12-15-17	Banning Connection	Access to existing poles off of Lincoln Street.
TEWS #4	12-18-17	12-18-17	Banning Connection	Access to existing poles off of Wesley Street.
TEWS #5	12-20-17	12-21-17	Banning Connection	Access to existing poles at intersection of Wesley Street and Old Idyllwild Road
Minor Project Refinements (MPRs)				
MPR #1	11-17-17	11-22-17	Maraschino Connection	Revisions to the amount of new underground telecom construction.
MPR #2	12-13-17	12-15-17	Maraschino Connection	Addition of two vault work areas on Highland Springs Road.

TEWS / MPC	Date Requested	Date Issued	Phase	Description
MPR #3	12-21-17	12-28-17	El Casco– Banning Connection	Adjustments to alignment along Oak Valley Parkway
MPR #4	12-27-17	1-3-18	Maraschino/ El Casco– Banning Connections	Continued use of two fire hydrants previously approved as TEWS #1 and TEWS #2
MPR #5	1-16-18	1-22-18	Banning Connection	Continued use of access routes described in TEWS #3, 4, and 5 and temporary access paths through private property along Coyote Trail
MPR #6	2-8-18	2-12-18	Project-wide	Use of 10 water sources to support construction activities
MPR #7	2-23-18	2-28-18	Poultry MY	Temporary water and electrical supply to yard
MPR #8	2-27-18	3-2-18	El Casco Connection/ Segment 1	New telecom splice location and single new steel pole installation
MPR #9	3-26-18	3-27-18	El Casco Connection	Telecom work areas along El Casco Substation access road
MPR #10	4-6-18	4-9-18	Mountain View #1 MY/All subtrans	Additional work spaces at Mountain View #1 MY entry and at subtransmission improvements work areas
MPR #11	5-4-18	5-8-18	Tennessee Relocation	Relocation of 5 subtransmission structures from the east side to the west side of Nevada Street
MPR #12	5-14-18	5-16-18	Timoteo Relocation	Additional work space for TSP erection at Bryn Mawr Avenue and Interstate 10.
MPR #13	5-23-18	5-25-18	Project-wide	Addition of encased fire hose to O’Grady Court water source and use of 17 water sources to support construction activities
MPR #14	5-24-18	5-31-18	Timoteo/ Tennessee Relocations	Location shift of 3 TSPs and 1 vault location
MPR #15	5-31-18	6-4-18	Poultry MY	Paving of access road and trailer complex area
MPR #16	6-11-18	Pending	Banning Connection	Shift of horizontal directional drilling (HDD) alignment through Smith Creek and addition of walking paths along Coyote Trail

CPUC Compliance Incidents, Project Memoranda (PMs) and Non-Compliance Reports (NCRs)

Table 3 summarizes the CPUC Incidents, PMs, and NCRs issued to date.

Table 3
CPUC Incidents, Project Memoranda, and Non-Compliance Reports
 (Updated 06/13/18)

Incident/ PM/NCR	Regulatory Requirement	Date Issued	Phase	Description
Level 1 Incident	Traffic Control Plan	01-30-18	Banning Connection	Traffic control was set up in such a way that diverted flow into active work area and deviated from approved Traffic Control Plan.
Level 1 Incident	MM WIL-1b	04-19-18	Timoteo/ Tennessee Relocation	A portable water tank was observed uncovered for four consecutive days.
Level 1 Incident	MM VEG-1a	5-24-18	El Casco Substation	Equipment was staged outside of approved disturbance limits for at least 1-2 days.

PROJECT PHOTOGRAPHS



Photo 1 – Installing poles for perimeter chain link fencing at Match MY (May 30, 2018).



Photo 2 Installing cable at the San Bernardino Substation (photo courtesy of SCE FRED) (June 8, 2018).



Photo 3 – Vault installation occurring along Iowa Street for the Tennessee Relocation (photo courtesy of SCE FRED) (May 30, 2018).



Photo 4 – Grading activities completed at Tower Site 4X53 (June 8, 2018).



Photo 5 – Soil stockpile properly contained at Tower Site 4X51 (May 30, 2018).



Photo 6 – Adequate entrance stabilization and trackout control along San Timoteo Canyon Road (May 30, 2018).