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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: July 18, 2018
Subject: Monitoring Report #24: July 9 to 15, 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 July 9, 10, and 12.

CPUC Notices to Proceed (NTPs)

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

Table 1 - NTPs

(Updated 07/18/18)

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
- Matich 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 Matich MY was received April 16, 2018 and authorization to begin yard preparation work was provided on May 1, 2018. The preconstruction compliance package for the Grand Terrace MY was submitted on June 18, 2018. CPUC granted authorization to proceed on June 21, 2018.

Summary of Construction Activity

1. For the currently approved material yards, all activities are being performed by the contractor operating out of each respective yard.
2. The Poultry MY is being utilized by Barnard Construction and Power Grade Incorporated as their primary base of operations and material/equipment storage location. Work associated with the Poultry MY included materials/equipment deliveries and general yard maintenance throughout the monitoring period.
3. The Matich MY is being utilized by Barnard Construction primarily for tubular steel pole (TSP) storage. Work associated with the Matich MY was limited to privacy screening repairs throughout the monitoring period.
4. 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.
5. The Beaumont #2 MY is being utilized by CJ/Aldridge Drilling as their primary base of operations and material/equipment storage location. Material/equipment deliveries and general yard maintenance occurred at the Beaumont #2 MY throughout the monitoring period.
6. The Grand Terrace MY is being used primarily as a show-up location for project construction crews. No construction activities occurred at the Grand Terrace MY throughout the monitoring period.
7. 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) or non-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 (northern mockingbird) 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). There were no approved buffer reductions for non-special-status species for work areas associated with NTP #1 recorded during the monitoring period. If required, removal of inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were no such nests removed from work areas associated with NTP #1 recorded during the monitoring period.
5. Special-status species observed or identified at locations associated with NTP #1 during the monitoring period included Cooper's hawk.

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 foundation excavation and connecting control cable inside the MEER building.
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) or non-reportable (< 1 gallon) spills associated with NTP #2 identified during the monitoring period.
4. There were no new active nests and ten fledged/failed (non-project) nests associated with NTP #2 reported during the monitoring period. To date, there are two active nests (Cassin's kingbird, house finch) located within work areas associated with NTP #2. On April 26, SCE requested agency concurrence to permit ingress/egress through any future active least Bell's vireo (LBVI) nest buffers encompassing the El Casco Substation 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. There were two approved buffer reductions for non-special-status species for work areas associated with NTP #2 recorded during the reporting period. If required, removal of

inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were no such nests removed from work areas associated with NTP #2 recorded during the monitoring period.

5. No special-status species were observed or identified at locations associated with NTP #2 during the monitoring period.

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 and distribution components, major construction activities are being performed primarily by Hot Line Construction with support from CJ Drilling, Barnard Construction, Mowbray Tree Services, and SCE crews.
2. Distribution work associated with the Dental and Intern Circuits included trenching, installation of underground conduit, and repairing and patching of asphalt along Mission Road in the City of Loma Linda (see Photo 1).
3. Distribution work associated with the Juanita Reconductor included trenching, installing underground conduit, and replacing wooden poles and conductor wire along Juanita Street in the City of Loma Linda (see Photo 2).

4. Work associated with the Timoteo Relocation subtransmission improvements included potholing for existing utilities, tree trimming, erecting lightweight tubular steel poles (LWTSPs), trenching for underground alignment, installation of underground conduit and conductor wire, and repairing and patching road asphalt (see Photos 3 and 4).
5. Work associated with the Tennessee Relocation subtransmission improvements included potholing for existing utilities, erecting LWTSPs, and installation of underground and overhead conductor wire.
6. Telecommunications work associated with the El Casco Connection included installing underground cable and splicing connections within the El Casco Substation.
7. Work associated with the Maraschino Connection telecommunications improvements has been completed.
8. Work associated with the El Casco–Banning Connection telecommunications improvements has been completed.

Environmental Compliance

1. On July 10, the CPUC EM expressed concerns regarding inadequate traffic control during trenching activities associated with the Dental and Intern Circuits distribution work along Mission Road. Along a portion of the work area, eastbound traffic was restricted to one lane as westbound traffic was diverted through a detour on nearby side streets (see Photo 5). However, the CPUC EM observed four westbound vehicles travel into the one-way lane for eastbound traffic within a span of less than five minutes. The CPUC EM immediately notified Barnard management and the issue was immediately resolved by installing additional signage and flaggers along the route.
2. On July 11, Hot Line Construction crews struck an unmarked 1-inch gas line while conducting trenching activities along Redlands Boulevard. The gas line strike did not result in any injuries; however, the line was damaged. The CPUC Monitor was immediately notified. Hot Line management coordinated with Southern California Gas Company and repairs were performed the same day.
3. On July 12, the CPUC EM observed a broken sprinkler head associated with an irrigation line immediately adjacent to the new tubular steel pole installed at the intersection of Bryn Mawr Avenue and Interstate 10. Consequently, water flow from the broken sprinkler head was causing non-Project sedimentation to flow along a gutter and into a storm drain inlet immediately adjacent to the Project work area (see Photo 6). Although Project personnel were not responsible for the broken equipment or offsite sedimentation, Hot Line crews arrived onsite and repaired the broken sprinkler head and additional BMPs were installed.
4. Due to power loading issues associated with hot weather, line outages in place to perform underground conductor wire installation were rescheduled to overnight hours on July 12, 13, and 14. SCE provided the CPUC with coordination and approvals for this work from the appropriate local jurisdictions. SCE also provided approval from the City of Loma Linda for extended work hours on July 12 associated with trenching activities along Redlands Boulevard.
5. There were no SWPPP maintenance items associated with NTP #3 recorded during the monitoring period. To date, there are no open SWPPP maintenance items associated with NTP #3.
6. There were no reportable (> 1 gallon) or non-reportable (<1 gallon) spills associated with NTP #3 identified during the monitoring period.
7. There were no new active nests and no fledged/failed nests associated with NTP #3 reported during the monitoring period. To date, there are no active nests located within work areas associated with

NTP #3. If required, nest buffers for non-special-status bird species will be implemented by SCE per the requirements of the Project NBMP. There were no approved buffer reductions recorded for non-special-status species for work areas associated with NTP #3 during the reporting period. If required, removal of inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were no such nests removed from work areas associated with NTP #3 recorded during the monitoring period.

8. 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 six transmission line segments, identified as Segments 1 through 6, generally moving from west to east.

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. The preconstruction package for Segment 1 was received on July 6, 2018 and authorization was granted on July 10, 2018. The preconstruction package for Segment 2 was received on July 16, 2018 and is under review; however, a minor portion of Segment 2 was previously authorized as part of MPR #8 approval (see Table 2).

Summary of Construction Activity

1. For the currently approved transmission components, Power Grade Incorporated is conducting access road maintenance/stabilization, BMP installation, and site grading. Hot Line Construction is conducting foundation excavation and LWTSP erection on Segment 2.
2. Work associated with Segment 2 included installing BMPs, potholing for existing utilities, excavating foundations, and erecting one LWTSP that was approved under MPR #8 (see Photo 7).
3. Work associated with Segment 3 included installing BMPs at Tower Sites 3X13, 3X14, 3X19, 3X21, 3X22, 3X24, 3X25, 3X26, 3X29, 3X33, 3X38, 3X39, and 3X40. Grading activities were conducted at Tower Sites 3X17, 3X24, 3X25, 3X26 and 3X29 (see Photo 8).
4. Work associated with Segment 4 included applying site stabilizer BMPs at Tower Sites 4X56, 4X57, 4N58, 4S60, and 4N61.

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.
2. There were no 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.
3. There were no reportable (> 1 gallon) or non-reportable (<1 gallon) spills associated with NTP #4 identified during the monitoring period.
4. There were no new active nests and eight fledged/failed nests associated with NTP #4 identified during the monitoring period. To date, there are 6 active nests (LBVI, house finch, mourning dove, and western bluebird) 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. There were no approved buffer reduction for non-special-status species for work areas associated

with NTP #4 recorded during the reporting period. If required, removal of inactive non-special-status bird species' nests is being implemented per the requirements of the Project NBMP. There were no such nests removed from work areas associated with NTP #4 recorded during the monitoring period.

- No special-status species were observed or identified at locations associated with NTP #4 during the monitoring period.

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. MPR #17 was approved during the subject reporting period.

Table 2 - TEWS & MPRs
(Updated 07/18/18)

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
TEWS #6	6-13-18	6-13-18	Timoteo Relocation	Extra workspace to facilitate erection of TSP #4696058 at intersection of Redlands Boulevard and Bryn Mawr Street
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.
MPR #3	12-21-17	12-28-17	El Casco–Banning Connection	Adjustments to alignment along Oak Valley Parkway

TEWS / MPC	Date Requested	Date Issued	Phase	Description
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	6-13-18	Banning Connection	Shift of horizontal directional drilling (HDD) alignment through Smith Creek and addition of walking paths along Coyote Trail
MPR #17	6-20-18	6-22-18	Dental Circuit/ Tennessee Relocation	Additional work space along Mission Road, Lugonia Avenue, and Nevada Street

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 07/18/18)

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 underground distribution conduit along Mission Road (July 10, 2018).



Photo 2 – Working in trench next to riser pole for Juanita Reconstructor distribution (July 10, 2018).



Photo 3 – Tree trimming along Bryn Mawr Avenue for the Timoteo Relocation subtransmission work (July 12, 2018).



Photo 4 – Excavation of new vault location along Redlands Boulevard for the Timoteo Relocation subtransmission work (July 12, 2018).



Photo 5 – Ineffective traffic control established along Mission Road for the Dental and Intern Circuits distribution work (July 10, 2018).



Photo 6 – Broken sprinkler head resulting in minor offsite sedimentation at Bryn Mawr Avenue and Interstate 10 (July 12, 2018).



Photo 7 – Installation of one new LWTSP along transmission Segment 2 (July 12, 2018).



Photo 8 – Grading activities occurring at Tower Site 3X29, transmission Segment 3 (July 10, 2018).