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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 6, 2018
Subject: Monitoring Report #22: June 25 to July 1, 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 June 25, 26, 28, and 29.

CPUC Notices to Proceed (NTPs)

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

Table 1 - NTPs
(Updated 07/06/18)

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. 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, Cold Smoke Fence Company is installing chain link fencing and privacy screening. 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 Grand Terrace MY is being used primarily as a show-up location for project construction crews. Work associated with the Grand Terrace MY was limited to BMP installation during the monitoring period.
4. 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 (see Photo 1).
5. 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.
6. The Match MY is being utilized by Barnard Construction primarily for tubular steel pole (TSP) storage. Work associated with the Match MY included gate and privacy screening installation and material/equipment deliveries.
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 are two active nests (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. No special-status species were observed or identified at locations associated with NTP #1 during the monitoring period.

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 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.
1. On June 28, approval was granted from the City of Redlands for extended work hours on June 29 and 30 for activities associated with work inside of the San Bernardino Substation.
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 was one new active nest and one fledged/failed (non-project) nest associated with NTP #2 reported during the monitoring period. To date, there are 16 active nests (least Bell's vireo [LBVI], Cassin's kingbird, spotted towhee, house finch) 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. There were no 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. Special-status species observed or identified at locations associated with NTP #2 during the monitoring period included smooth tarplant.

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 Dental Circuit included prepping and setting a new wooden pole.
3. Work associated with the Juanita Reconductor included modifications to existing wooden poles and installation of a new wooden pole (see Photo 2).

4. Work associated with the Timoteo Relocation subtransmission improvements included placement of underground vaults, trenching and installation of underground conduit, foundation excavation, and erection of lightweight tubular steel poles (LWTSPs) and tubular steel poles (TSPs) (see Photo 3).
5. Work associated with the Tennessee Relocation subtransmission improvements included placement of underground vaults, trenching and installation of underground conduit, foundation excavation, and erection of LWTSPs and TSPs (see Photo 4).
6. Work associated with the Maraschino Connection telecom improvements has been completed.
7. Work associated with the El Casco–Banning Connection telecom improvements has been completed.

Environmental Compliance

2. All construction activities associated with NTP #3 were in compliance with Project mitigation measures, permit conditions, and plan requirements throughout the monitoring period.
3. On June 24, approval was granted from the City of Redlands for extended work hours on June 29 and July 1 associated with subtransmission activities just outside of the San Bernardino Substation parking lot.
4. 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.
5. There were no reportable (> 1 gallon) or non-reportable (<1 gallon) spills associated with NTP #3 identified during the monitoring period.
6. 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.
7. 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 3 included BMP installation at Tower Sites 3X12, 3X14, 3X15, 3X16, 3X19, 3X20, 3X21, 3X22, and 3X23. Vegetation removal was conducted at Tower Site 3X22.

3. Work associated with Segment 4 included access road maintenance between Palmer Avenue and San Timoteo Canyon Road. BMP installation/maintenance was conducted at Tower Sites 4X47, 4X48, 4X51, 4X52, 4X55, and 4X59 (see Photo 5). Site grading occurred at Tower Sites 4X57, 4N58, 4N59, 4N60, 4S60, and 4N61 (see Photo 6).

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 7 and 8).
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 two new active nests and five fledged/failed nests associated with NTP #4 identified during the monitoring period. To date, there are 16 active nests (LBVI, house finch, Bewick’s wren, Cassin’s kingbird, western kingbird, northern mockingbird, 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. There were no approved buffer reductions 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 two such nests removed from work areas associated with NTP #4 recorded during the monitoring period.
5. 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 07/06/18)

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 / MPC	Date Requested	Date Issued	Phase	Description
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
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

TEWS / MPC	Date Requested	Date Issued	Phase	Description
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 07/06/18)

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 – Delivering stub angle steel to the Poultry MY (June 26, 2018).



Photo 2 – Installing a new wooden pole along Juanita Street for Juanita Reconductor (June 29, 2018).



Photo 3 – Installing LWTSP at intersection of Lugonia Avenue and Bryn Mawr Avenue for the Timoteo Relocation (June 26, 2018).



Photo 4 – Excavating for new vault at intersection of Iowa Street and Orange Avenue for the Tennessee Relocation (June 26, 2018).



Photo 5 – Applying BMP (soil stabilizer) to slopes at Tower Site 4X47 (June 25, 2018).



Photo 6 – Grading activities occurring at Tower Site 4S60 (June 26, 2018).



Photo 7 – Applying water to access road for Tower Site 4S60 to minimize fugitive dust (June 26, 2018).



Photo 8 – Haul truck properly covering load and construction crew sweeping outside bed of truck to minimize trackout along San Timoteo Canyon Road (June 26, 2018).