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PROJECT MEMORANDUM
SCE BANDUCCI SUBSTATION PROJECT

To: Jensen Uchida, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: February 6, 2018
Subject: Monitoring Report #8: January 7 to January 27, 2018

Introduction

This report provides a summary of the construction and compliance activities associated with Southern California Edison’s (SCE) Banducci Substation Project.

A summary of the Notices to Proceed (NTPs) for construction is provided below. A summary of Temporary Extra Workspace (TEWS) and Minor Project Changes (MPCs) is provided in Table 2.

CPUC Environmental Monitor (EM): Jenny Slaughter was onsite January 24-25, 2018.

Work Schedule: Construction at the Banducci Substation Site is being conducted Monday-Friday between 7:00 am and 7:00 pm. Telecom work is being conducted Monday-Thursday 7:00 am to 5:00 pm. Occasional work on Saturdays is occurring. Work was cancelled for several days due to rainy conditions.

CPUC NTPs

Table 1 summarizes the NTPs for the Banducci Substation Project.

Table 1 - NTPs
(Updated 02/06/18)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	11/22/16	01/19/17	Banducci Substation and Subtransmission	Construction of the Banducci Substation and the associated 69 kV subtransmission features located on Pelliser Road near the town of Tehachapi.
NTP #2	07/31/17	08/31/17	Telecommunications	Telecommunications related components of the Banducci Substation (see MPC #1, Table 2).
NTP #3	02/07/17	03/29/17	12 kV Distribution Getaways and a Portion of the Telecommunication Route #1	Construction of the distribution getaways and a portion of Telecommunication Route #1 along Pelliser and Highline Roads.

Construction & Compliance

Summary of Construction Activity: Please see Exhibit A

Banducci Substation Construction (Civil work 100% complete, Electrical work 55% complete)

1. Construction activities are being performed by Henkels and McCoy (H&M), and Professional Electrical Construction Services, and construction management is being conducted by TRC. Construction activities started on July 26, 2017.
2. Civil preparation work at the Banducci Substation has been completed.



3. Professional Electrical crews completed their scope of work and demobilized from the project.
4. Bus placement into the 12-kV rack took place and jumpers were installed for the 66-kV rack.
5. Control wiring was installed and tested in the MEER building.
6. Erosion control BMPs were inspected and maintained at the Banducci Substation site.
7. Construction crews are trucking in non-potable water for dust control and compaction from an approved hydrant located near Highline Road.

12 kV Distribution Work (95% complete)

8. Tie-in work between manholes took place between Pellisier and Highline Roads.

66 kV Subtransmission (77% complete)

9. No work occurred during the reporting period.

Telecommunication Upgrades (65% complete)

10. H&M crews began work on Routes 1 and 2 of the Telecommunication work on September 27, 2017.
11. H&M crews continued with cross arm installation on existing wood poles along Highway 202 followed by fiber placement.
12. Fiber placement was completed on the prison property during the subject period.

Environmental Compliance

1. A major spill occurred on January 16 when a man-lift bumped into Transformer #1 at the Banducci Substation site. Approximately 125 gallons of mineral oil spilled out of the damaged transformer onto the ground. A professional environmental clean-up company was deployed to perform cleanup. The area contaminated was estimated to be 20-ft by 30-ft and impacted soil was removed (see Figures 1 through 3).
2. No paleontological monitoring took place during the monitoring period. To date, no paleontological resources have been identified.
3. Manual street sweeping is taking place as needed along Pellisier Road at the Substation entrance (see Figure 4).
4. Traffic control is in place during trenching and vault installation along Pellisier and Highline Roads.
5. Soil stockpiles located inside the Substation were covered to prevent erosion. Other BMPs are maintained as necessary.
6. Excavations and trenches are covered, or wildlife escape ramps are installed after work is completed.
7. No non-compliances were reported by SCE and none were observed by the CPUC EM.
8. Weekly SWPPP inspections are taking place at both the Substation and telecom work sites, and additional inspections are performed prior to and after rain events. Minor concerns noted included sediment build-up along sandbag berms and the need for additional rock at the stabilized entrance to the Substation. Both items were addressed in a timely manner.

Temporary Extra Workspaces (TEWS) and Minor Project Changes (MPCs)

Table 2 summarizes the TEWS and MPCs for the Banducci Substation Project.

Table 2
Temporary Extra Workspaces (TEWS) & Minor Project Changes (MPCs)
 (Updated 02/06/18)

TEWS / MPC	Date Requested	Date Issued	Phase	Description
TEWS #1	07/20/17	07/24/17	Substation	Use of a non-potable water source located outside of the approved work area.
MPC #1	07/31/17	08/31/17	Telecom	Changes to Telecommunication Routes #1 and #2 (see NTP #2, Table 1).
MPC #2	08/09/17	08/11/17	12 kV	Relocation of 12 kV distribution infrastructure to avoid an existing, unmarked utility.
MPC #3	08/21/17	08/25/17	All	Use of water source approved under TEWS #1 for more than 60 days.
MPC #4	10/25/17	11/09/17	Telecom	Modify Telecom route at S. Curry and Valley due to City road construction moratorium.

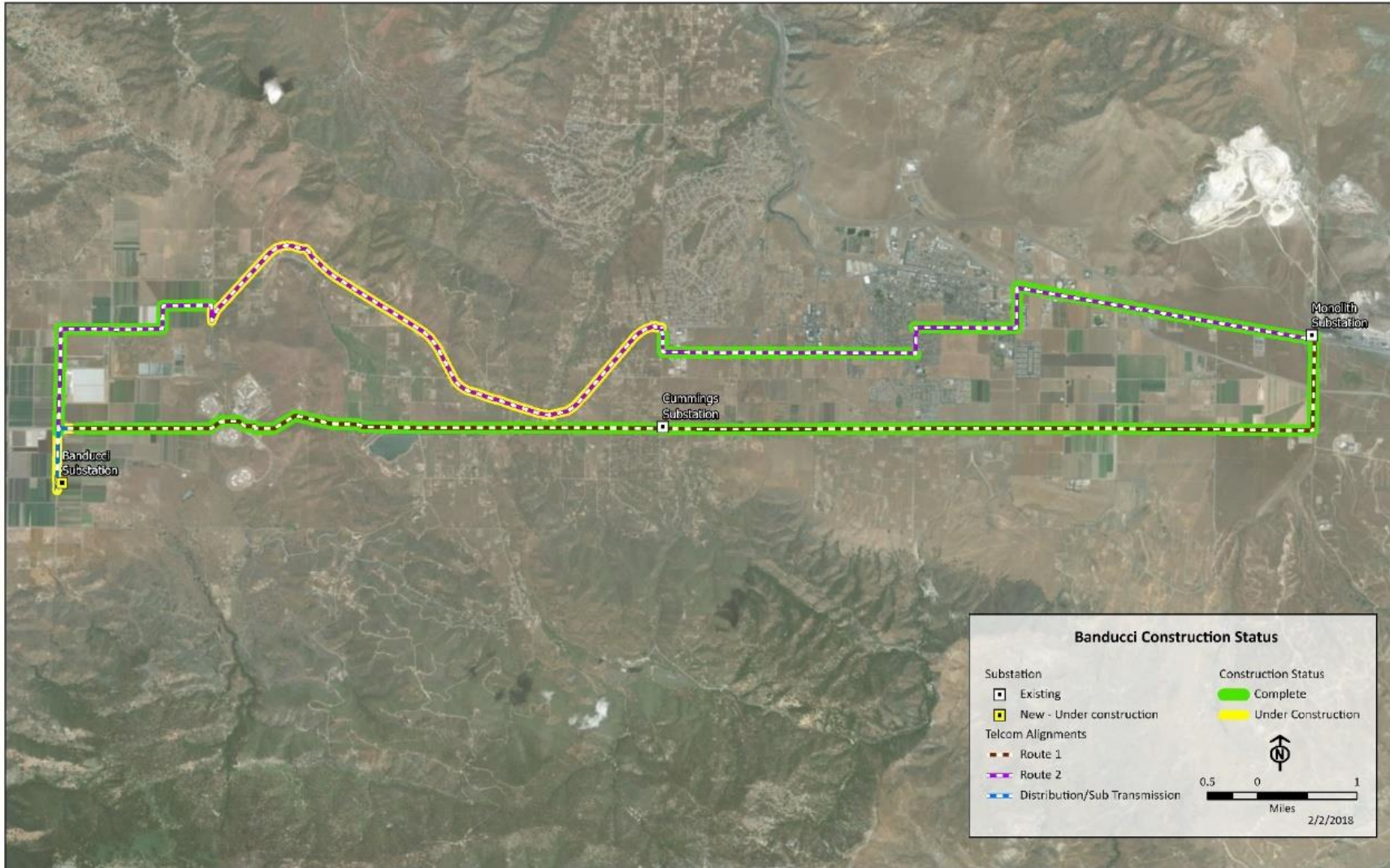
CPUC Compliance Incidents, Project Memoranda (PMs) and Non-Compliance Reports (NCRs)

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

Table 3
CPUC Project Memoranda and Non-Compliance Reports
 (Updated 02/06/18)

Incident/ PM/NCR	Regulatory Requirement	Date Issued	Phase	Description
Level B Incident	MM AG-1	07-19-17	Banducci Substation	Crews began construction related activities within 30 days of the notification of agricultural operators.
Level B Incident	MM B-9	07-19-17	Banducci Substation	Construction related activities began without the required nesting bird surveys being conducted.
Level B Incident	CPUC NTP	07-19-17	Banducci Substation	Documentation was not provided to the CPUC prior to construction.
Level B Incident	MMCRP	07-19-17	Banducci Substation	Timely notification of the start of construction was not provided to the CPUC EM.

Exhibit A – Construction Status



PROJECT PHOTOGRAPHS



Figure 1 – Henkels and McCoy crew inadvertently damaged Transformer #1 causing a mineral oil spill at the substation site. Photo courtesy of SCE.



Figure 2 – Approximately 125-gallons of mineral oil spilled onto the ground under the damaged transformer. Photo courtesy of SCE.



Figure 3 – Containment around the damaged transformer to prevent the spill from spreading. Photo courtesy of SCE.



Figure 4 – Crews using brooms to clean off mud from the substation entrance. Work was called off later due to rain.