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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: September 12, 2017
Subject: Monitoring Report #32 – September 4, 2017 to September 10, 2017

This report provides a summary of the construction and compliance activities associated with the PG&E Windsor Substation Project which includes the construction of the Windsor Substation, as well as 12 kV distribution line underbuild and reconductoring work (see Exhibit A).

A summary of the Notices to Proceed (NTPs) for construction and Minor Project Change (MPC) activities are provided in Tables 1 and 2, respectively (below).

CPUC Environmental Monitor (EM): Jody Fessler was on site September 6.

Windsor Substation Site

NTP #1 was issued on June 15, 2016 for the Windsor Substation component of the Project, located at 10789 Old Redwood Highway in the Town of Windsor. NTP #1 included conditions that had to be satisfied prior to the start of construction. PG&E was allowed to start vegetation clearing and tree trimming prior to receiving their grading permit from the Town of Windsor. PG&E received the grading and building permits from the Town of Windsor on November 14, 2016, and minimal construction activities started thereafter. During the 2016/2017 rainy season, heavy rains and saturated conditions precluded construction activities at the Windsor Substation site for the majority of the season. Construction activities started back up in April 2017.

Summary of Activity:

Conduit trenches for the distribution line were excavated, conduit installed to pull boxes, and the trenches backfilled.

PG&E general construction crews continued to work in the switchgear control building.

Construction of the SPCC pond along the western side of the site continued with the installation of rebar and wall panel forms, and excavation at the southern end. Excavated spoils were hauled off site.

On the southwest side of the site, installation of transmission switches and insulators on dead-end structures continued.

At the time of the CPUC EM's site visit on September 6, a crew was excavating trenches for conduit, a crew was installing rebar and wall panel forms in the SPCC ponds, another crew was working in the switchgear control building, and another crew was installing the switches and insulators on the dead-end structures (see Figures 1 - 3).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted an inspection and monitoring on September 5. Ongoing surveys for special-status species and nesting birds were performed. No special-status species or nesting birds were observed.
2. Steve Stetson (AHTNA) conducted SWPPP inspections on September 6 and 7. Deficiencies noted included track-out (that was to be swept later that day), and that perimeter wattles along the northern fence line need replacing.

- The CPUC EM noted that the site was neat and clean. Silt fencing was installed around the wetland areas on the west and south sides of the substation site, and was in good working condition. Environmentally Sensitive Area fencing was also installed around oak trees for protection. Soil piles were covered with plastic and surrounded by fiber rolls, and drainage inlets were protected with fiber rolls and sandbags. Watering of the site for dust control was observed. Traffic control signs were setup along Old Redwood Highway near the substation entrance and exit. The site was in compliance with mitigation measures, Applicant Proposed Measures, and other permit requirements.

12 kV Distribution Line Underbuild and Reconductoring Work

NTP #2 for the 12 kV distribution line underbuild and reconductoring work was issued by CPUC on March 30, 2017. Work along Old Redwood Highway began July 5, 2017.

Summary of Activity:

No reconductoring work occurred during the subject week.

Environmental Compliance:

- The PG&E EI conducted nesting bird surveys along Old Redwood Highway on September 5 and 7. No nests were found and no special-status wildlife, including bats, western pond turtle, and badger, were observed.
- The CPUC EM did not conduct environmental monitoring during the subject week since no work occurred.

Notices to Proceed

Table 1 summarizes the Notices to Proceed (NTP) for the Windsor Substation Project.

Table 1
Notice to Proceeds (NTPs)
(Updated 9/12/17)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	5/17/16	6/15/16	Windsor Substation	Windsor Substation component of the Project.
NTP #2	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Rebuild a segment of the Fulton No. 1 power line to hold a new double-circuit 12 kilovolt (kV) distribution line underbuild, and reconductoring an existing distribution line along Old Redwood Highway.

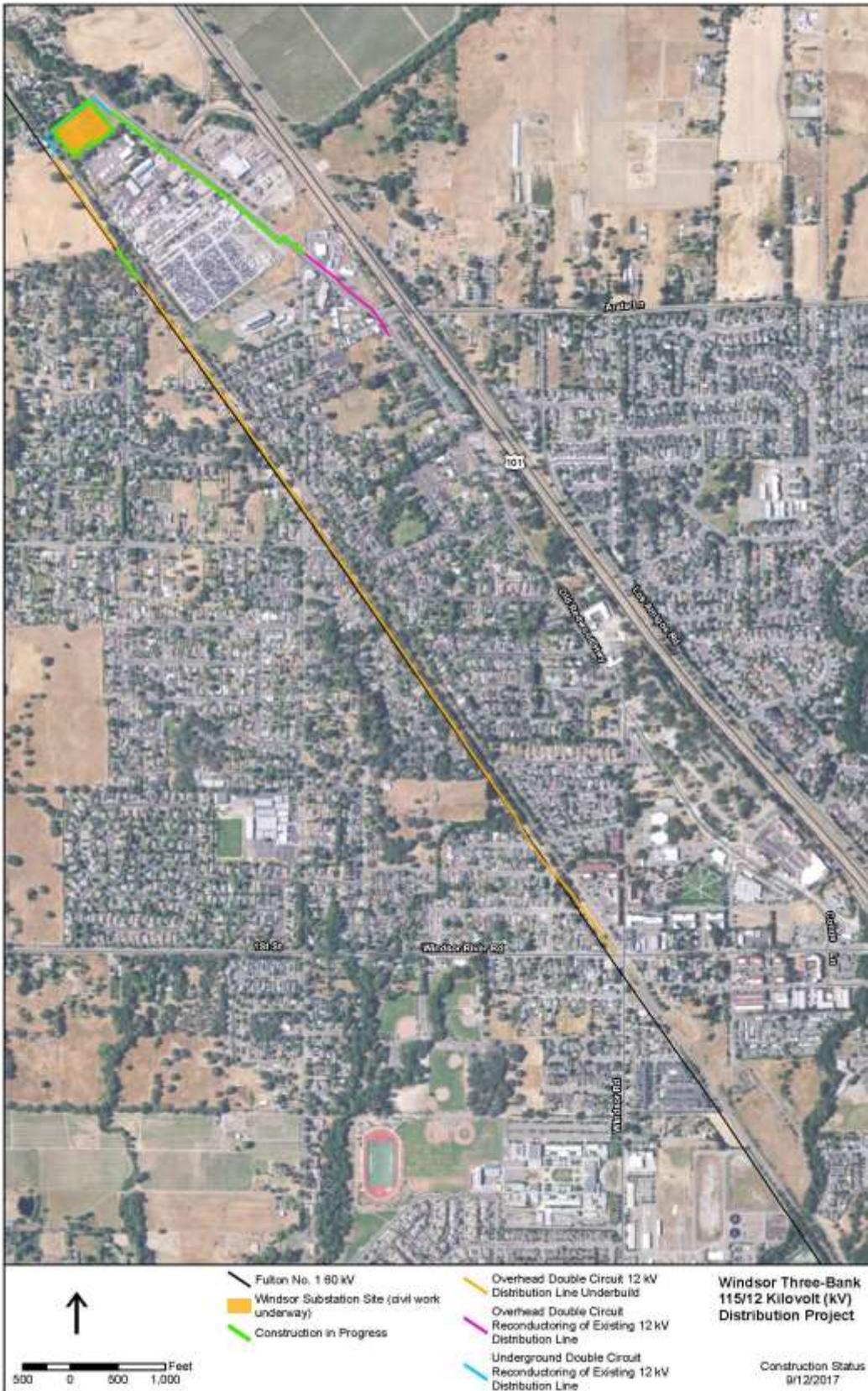
Minor Project Changes (MPCs)

Table 2 summarizes the Minor Project Changes (MPCs) submitted for the Windsor Substation Project. MPC #10, revised, was submitted by PG&E on September 11, 2017 and approved by CPUC on September 12.

Table 2
Minor Project Changes (MPCs)
 (Updated 9/12/17)

MPC #	Date Requested	Date Issued	Phase	Description
MPC #1	5/17/16	6/15/16	Windsor Substation	Design change to Spill Prevention Control and Countermeasure (SPCC) retention pond and stormwater flow. MPC #1 was incorporated into NTP #1.
MPC #2	5/17/16	6/15/16	Windsor Substation	Use of water truck or driwater pods instead of irrigation system for landscaping. MPC #2 was incorporated into NTP #1.
MPC #3	5/17/16	6/15/16	Windsor Substation	Replacement of culverts in existing roadways entering substation site and Herb Lane. MPC #3 incorporated into NTP #1.
MPC #4	8/11/16	8/19/16	Windsor Substation	Revision of the Conceptual Landscape Plan based on final design and engineering.
MPC #5	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Use of crane staged on SMART tracks to replace certain poles along the Fulton No. 1 Power Line submitted with NTP Request #2.
MPC #6	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Final design and engineering revision to the tubular steel pole (TSP) west of the substation submitted with NTP Request #2.
MPC #7	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Changes to tree trimming and removal due to construction method changes (crane use on SMART tracks) submitted with NTP Request #2.
MPC #8	2/17/17	3/30/17	Reconductoring & 12 kV Line Underbuild	Additional pull and tension site located on Railroad Avenue between Poles a32 and a33 submitted with NTP Request #2.
MPC #9	6/05/17	6/22/17	Reconductoring & 12 kV Line Underbuild	Reconfiguration of distribution line crossing of Old Redwood Highway and pole changes.
MPC #10 REVISED	8/15/17	9/12/17	Additional Staging Area	Additional temporary staging area at southeast corner of Windsor River Road and Windsor Road in Windsor.

EXHIBIT A – CONSTRUCTION STATUS



PROJECT PHOTOS



Figure 1 – Excavating trenches and installing conduit to pull boxes – view west, September 6, 2017.



Figure 2 – Installing rebar and wall panel forms in the SPCC ponds – view west, September 6, 2017.



Figure 3 – Installing switches and insulators on dead-end structures – view south, September 6, 2017.