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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: April 13, 2017
Subject: Monitoring Report #11 – March 27, 2017 to April 9, 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 April 6th

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.

Summary of Activity:

Week of March 27 – April 2

No construction activity occurred during the week due to wet weather conditions.

Week of April 3 - 9

Work at the site during the week included pumping water from pools of standing water in the middle of the site, and pumping water from the stormwater ponds and baker tank. Filter bags were attached at the hose ends, and water was pumped to the drain inlets along the north fence. Additionally, base rock was delivered, spread and compacted at the site.

At the time of the CPUC EM's site visit on Thursday, April 6, crews were laying out plastic over the work area and placing sandbags on top of the plastic in preparation for the next rain event (see Figures 1 – 4). The bushtit nest was being monitored by the PG&E EI, as this was the nest closest to active construction activities. The CPUC EM was able to locate and observe the bushtit nest.

Environmental Compliance:

1. PG&E's Environmental Inspectors (EIs) conducted an inspection on March 28 and 31, and April 3 through 6. BMPs, stormwater ponds, and wetland areas were checked while inspecting the site. No compliance issues were noted. Surveys for special-status species and nesting birds were also performed.
 - The bushtit pair was observed continuing to construct a nest in a 20-foot-tall coast live oak at the southern boundary of the work area near the east end of the wetland fencing. On April 3, 2017, PG&E requested a nest buffer reduction to 50 feet due to the high tolerance of this species to human activity. In consultation with California Department of Fish and Wildlife (CDFW), Aspen approved the nest buffer reduction request on April 4, 2017 with the

condition of biological monitoring. Full-time biological monitoring was conducted April 3 – 6.

- On April 4, 2017, the PG&E EI discovered a new active scrub jay’s nest on the western side of the site in an approximate 6-foot tall shrub. PG&E submitted a nest buffer reduction request that day for 50 feet with respect to workers placing hoses in the storm water pond, and 75 feet for equipment based on the high tolerance of this species to human activity. In consultation with CDFW, Aspen approved the nest buffer reduction request on April 5, 2017 with the condition of biological monitoring. Full-time biological monitoring was conducted April 4 through 6.
2. SWPPP inspections by AHTNA were performed March 24 and 27, and April 4, 6, and 7. On April 4, 2017, it was noted that damaged straw wattles around the drain needed to be replaced. All other BMPs were observed to be functioning.
 3. On April 6, 2017, the CPUC EM observed that the site was neat and clean, and that SWPPP measures were in place. 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. The site was in compliance with mitigation measures (MMs), Applicant Proposed Measures (APMs), and other permit requirements.

12 kV Distribution Line Underbuild and Reconductoring Work

The request for NTP #2 for the 12 kV distribution line underbuild and reconductoring work was submitted to the CPUC on February 17, 2017, and additional information provided March 24, 2017. The CPUC approved NTP #2 on March 30, 2017.

Notices to Proceed

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

Table 1
Notice to Proceeds (NTPs)
(Updated 4/13/17)

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.

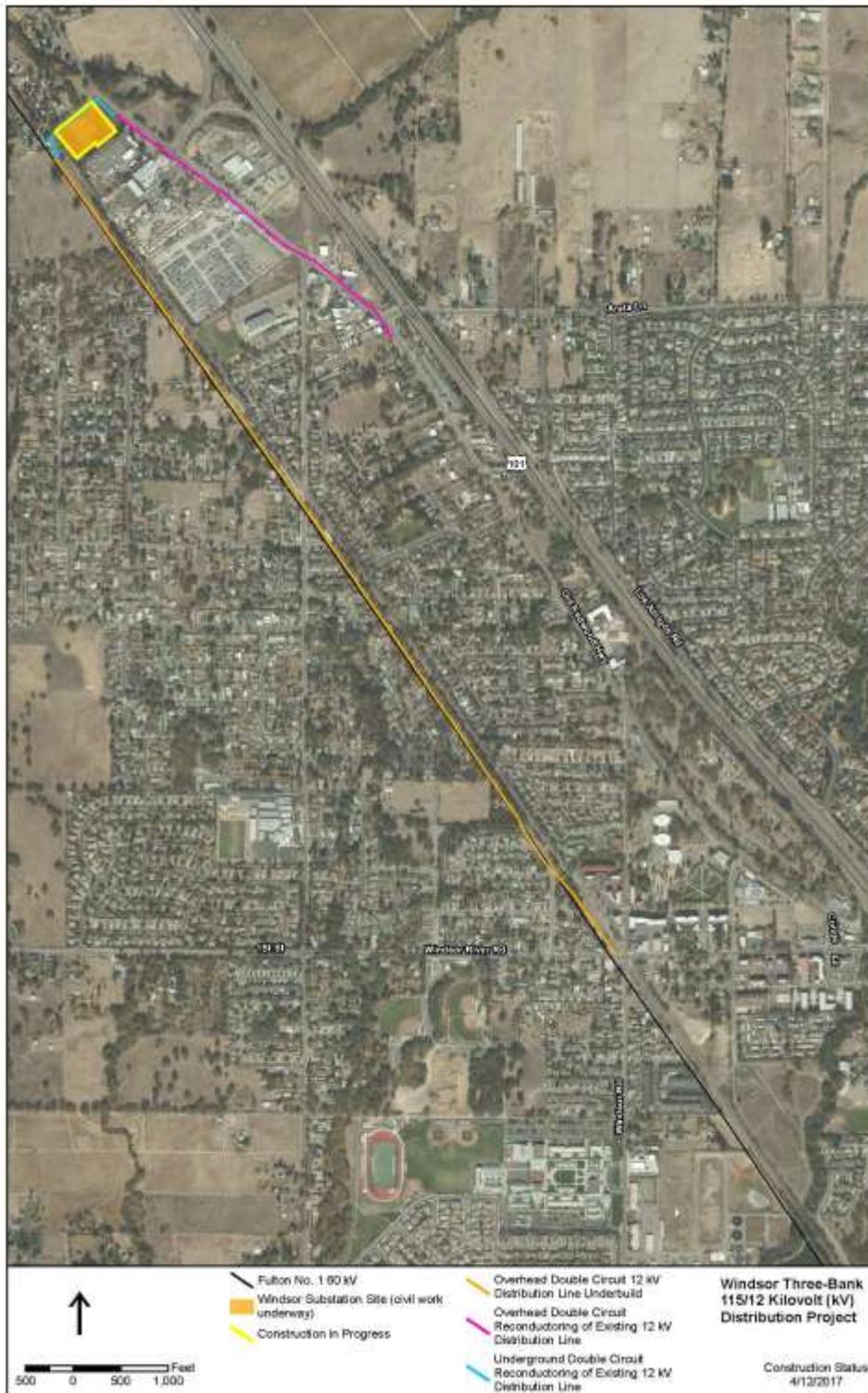
Minor Project Changes

Table 2 summarizes the Minor Project Changes submitted for the Windsor Substation Project.

Table 2
Minor Project Changes (MPCs)
 (Updated 4/13/17)

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.

EXHIBIT A – CONSTRUCTION STATUS



PROJECT PHOTOS



Figure 1 – Crews moving sandbags at substation site – view west from southeast corner, April 6, 2017.



Figure 2 – Equipment and materials mobilized to substation site – view north from southeast corner, April 6, 2017.



Figure 3 – Crews laying plastic and sandbags at substation site – view west, April 6, 2017.



Figure 4 – Plastic and sandbags covering substation site – view northwest, April 6, 2017.