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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 26, 2017  
**Subject:** Monitoring Report #12 – April 10, 2017 to April 23, 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 14th and 20th.

## **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 April 10 – April 16

Construction activities were limited to pumping water at the substation site due to rain events.

#### Week of April 17 – April 23

Construction activities only occurred April 18 through 20 due to rain events and were limited to pumping water, equipment delivery, removal of plastic sheeting covering the base rock, and BMP repair.

At the time of the CPUC EM's site visit on April 14, crews were wrapping up work after pumping water at the substation site during the first half of the day. At the time of the CPUC EM's site visit on April 20, crews were pumping water at the substation site. The CPUC EM and the PG&E Environmental Inspector (EI) walked along Old Redwood Highway where the reconductor work will take place and looked for nesting birds. One active red-tailed hawk nest was observed west of the southern-most pole work area (Pole b18).

### **Environmental Compliance:**

1. PG&E's EIs conducted inspections and nesting bird monitoring on April 10, 14, and April 18 through 20. 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.
  - During the week of April 10 – 16, active bird nests, which included a bushtit and Eurasian dove nest on the south side of the site and a scrub jay nest on the west side of the site, were monitored while crews dewatered the site. No disturbance from construction activity was observed.
  - On April 18, the PG&E EI observed that the bushtit nest on the south side of the site looked

askew and appeared to be predated. Also, the scrub jay nest of the west side of the site no longer had any eggs and was presumed predated. A new bushtit nest was observed being constructed high up in an oak tree on the north side of the site across Herb Road, and thought to be the same pair that was on the south side of the site. Also, a new mockingbird nest was observed under construction on the north side of the site across Herb Road. Residential vehicle traffic on Herb Road travels within five (5) feet of the mockingbird nest. The PG&E EI implemented a buffer of 35 feet, based on PG&E's Nesting Bird Protection Plan and the level of construction activity occurring. Per Mitigation Measure (MM) B-4, if nest construction occurs while construction activities are underway, the PG&E Biologists will implement the appropriate buffer and monitor for disturbance (see below). A pair of scrub jays was observed building a nest in the northwest corner of the substation site and presumed to be the same pair that was previously nesting on the west side of the site. A 75-foot buffer was implemented per the PG&E Nesting Bird Management Plan.

- Since construction activities are underway, PG&E is implementing the following requirements for nesting birds under MM B-4: “Non-special status species found building nests within the standard buffer zone *after specific project activities begin*, shall be assumed tolerant of that specific project activity and such nests will be protected by the maximum buffer practicable (as determined by the qualified biologist). However, these nests shall be monitored on a daily basis by a qualified biologist until the qualified biologist has determined that the young have fledged, are no longer dependent upon parental care, or construction ends within the buffer zone (whichever occurs first). If the qualified biologist determines that the nesting bird(s) are not tolerant of project activity, the standard buffer shall be implemented.”
2. SWPPP inspections by AHTNA were performed April 10 through 14, and April 17 through 19. On April 17, the SWPPP Inspector reminded the crew that the filter on the end of the hose may need to be changed, and discharge should be directed to the rock drain. It was also identified that new fiber rolls should be added to the rock drain, and this was performed on April 19. All other BMPs were observed to be functioning correctly.
  3. On April 14 and 20, 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 MMs, 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 approved by CPUC on March 30, 2017. No work under NTP #2 occurred during the subject period.

## **Notices to Proceed**

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

**Table 1**  
**Notice to Proceeds (NTPs)**  
 (Updated 4/26/17)

<b>NTP #</b>	<b>Date Requested</b>	<b>Date Issued</b>	<b>Phase</b>	<b>Description</b>
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.

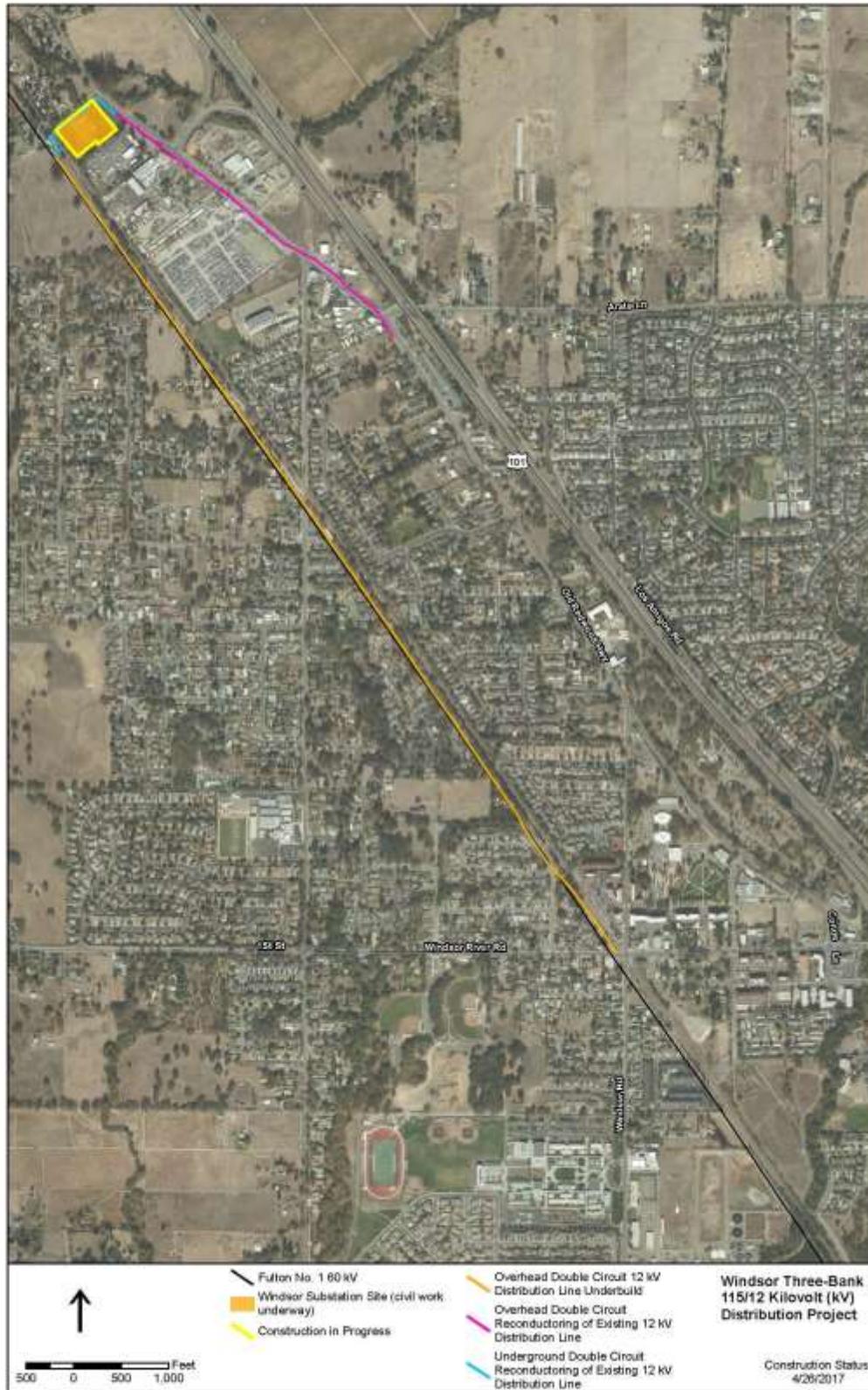
**Minor Project Changes**

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

**Table 2**  
**Minor Project Changes (MPCs)**  
 (Updated 4/26/17)

<b>MPC #</b>	<b>Date Requested</b>	<b>Date Issued</b>	<b>Phase</b>	<b>Description</b>
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 – Plastic sheeting covering substation site – view northwest, April 14, 2017.



Figure 2 – Substation site with plastic sheeting removed – view northwest, April 20, 2017.



Figure 3 – Crews pumping water at substation site – view northwest, April 20, 2017.



Figure 4 – Stormwater ponds on west side of substation site – view south, April 20, 2017.