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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: May 25, 2017
Subject: Monitoring Report #16 – May 15, 2017 to May 21, 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 May 15.

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 its grading permit from the Town of Windsor. PG&E received the grading and building permits from the Town of Windsor on November 14, 2016. 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.

Summary of Activity:

Construction activities during the subject week included continuing to build the substation pad with the delivery of base rock, spreading and compaction of base rock, and Kleinfelder performing compaction testing. A water truck was used for dust control and to facilitate compaction.

Construction of the switchgear and transformer foundations continued, as well as the start of the breaker foundation, and included excavating footings, installing forms, installing rebar, pouring cement slurry, and stripping forms.

Pier foundation holes were drilled and groundwater encountered at 12 feet was pumped through a filter bag and into the Baker tank. Concrete was poured for the pier foundations.

Vegetation at the west end of the site was grubbed and the area graded and prepared for base rock. Base rock continued to be delivered, spread, and compacted over the substation pad and soil was off-hauled. Kleinfelder performed concrete and compaction testing. A water truck was used for dust control and compaction.

At the time of the CPUC EM's site visit on May 15, crews were pouring cement at the switchgear foundation and conducting rebar work at the transformer foundation (see Figures 1 through 4).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted inspections and nesting bird monitoring May 15 thru 19. BMPs, stormwater ponds, and wetland areas were checked while inspecting the site.

Ongoing surveys for special-status species and nesting birds were also performed. No special-status species were observed.

- The bird nests around the perimeter of the site were monitored each day that construction activities occurred. On the morning of May 15, it was found that the bushtit nest along the northern fence line had been predated over the weekend, and the northern mockingbird young had fledged (possible force-fledged by a predator as the nest appeared different). One northern mockingbird nestling was being fed on the ground near the nest. The nest buffer was maintained until the nestling was observed being fed by its parents in a residential yard approximately 50 feet north of Herb Lane. No disturbance to the Eurasian collared dove nest along the southern fence line or the California scrub jay nest along the western fence line, which are both assumed to be in the incubation stage, was observed. Most construction activity occurred more than 60 feet from the nests, although vegetation grubbing occurred within 30 feet of the California scrub jay nest.

- 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."

- On May 17, Eliza Shepard (GANDA Botanist) re-flagged the boundaries of the wetland on the substation parcel as the silt fence that was previously installed will need to be moved closer to the wetland in order to construct the substation wall. In addition, rare plant preconstruction surveys were conducted at pole a10 (Wilcox Lane) and in the Kerry Preserve. Special-status plants Burke's goldfields and dwarf downingia were observed in the vernal pool adjacent to pole a10. No rare plants were found in the Kerry Preserve.

2. No SWPPP inspections were performed during the week since there was no precipitation.

3. On May 15, 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. 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 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 5/25/17)

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.

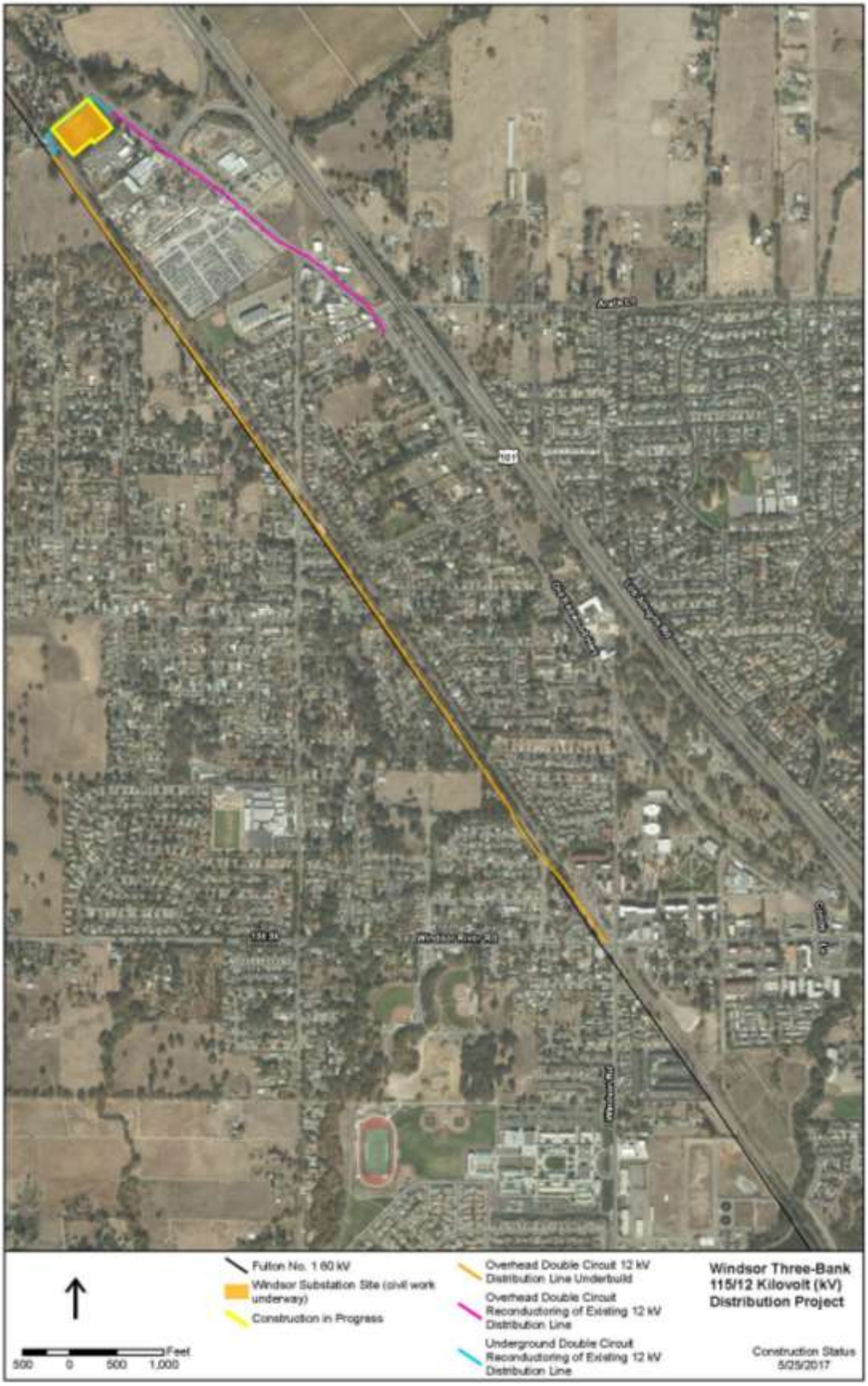
Minor Project Changes

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

Table 2
Minor Project Changes (MPCs)
(Updated 5/25/17)

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	2/1717	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

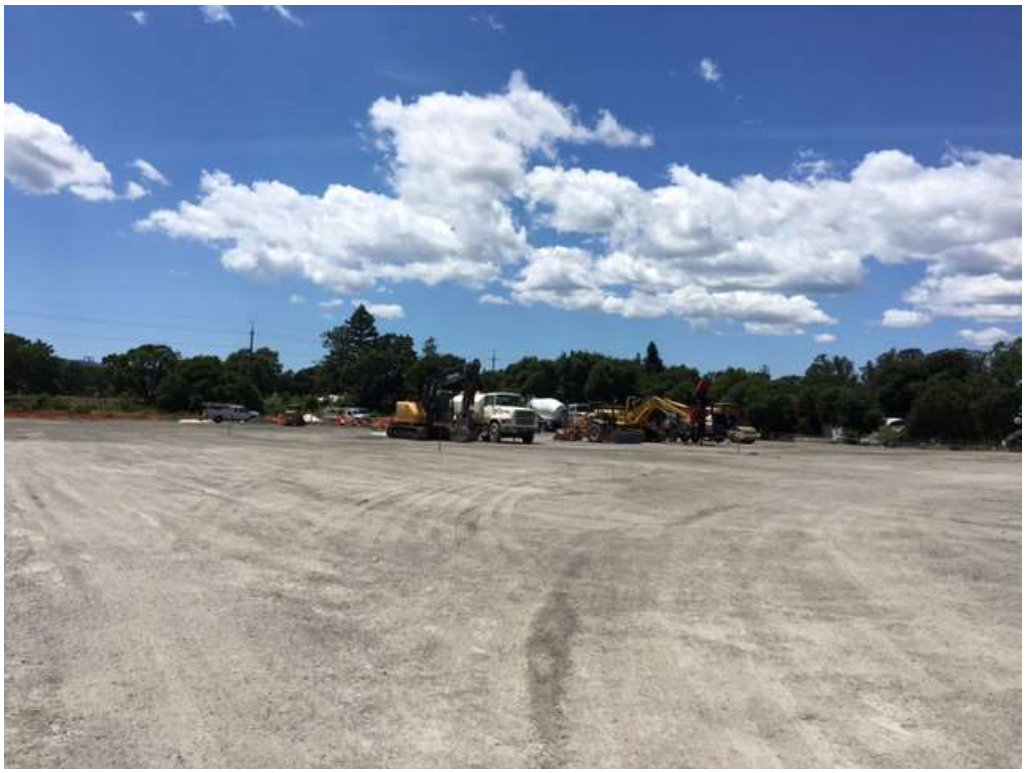


Figure 1 – Substation site and pad – view northwest, May 15, 2017.

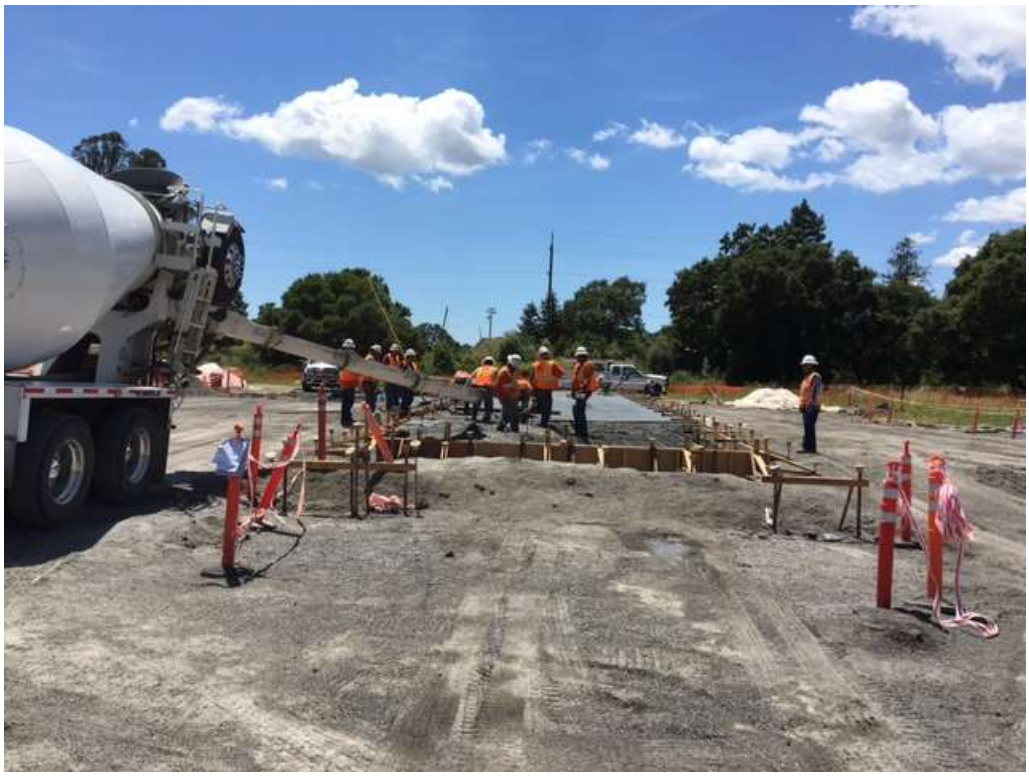


Figure 2 – Pouring cement for switchgear foundation at the substation site – view west, May 15, 2017.

Figure 3 – Pouring and setting cement for switchgear foundation at substation site – view southeast, May 15, 2017.

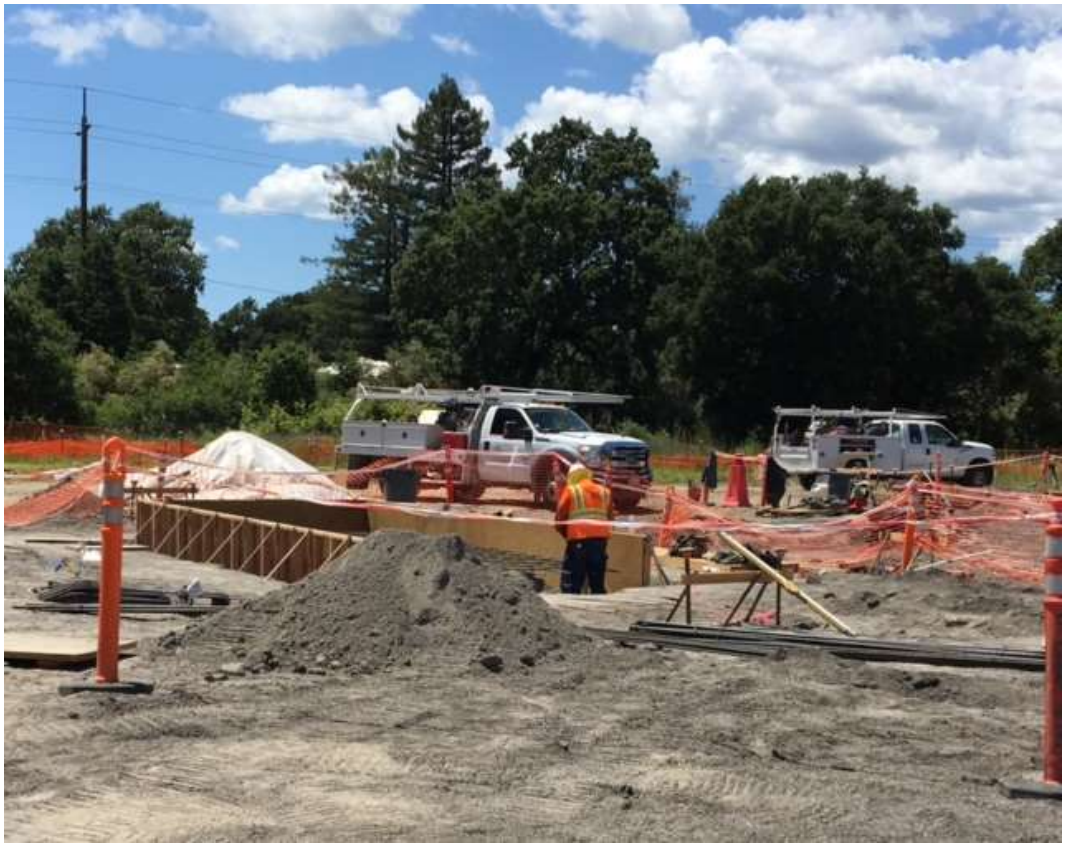


Figure 4 – Transformer foundation work at substation site – view northwest, May 15, 2017.