



5020 Chesebro Road, Suite 200, Agoura Hills, CA 91301-2285
Tel. 818-597-3407, Fax 818-597-8001, www.aspeneg.com

PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: May 10, 2017
Subject: Monitoring Report #14 – May 1, 2017 to May 7, 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 2 and 4.

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. 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 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. More equipment was delivered to the site, and spoils were off hauled. Excavation of the switchgear foundation and associated conduit trenches was completed. Encountered groundwater was pumped into the Baker Tank, and Mirafi fabric was installed in the switchgear excavation. Concrete slurry was poured in the bottom of the excavations. On the north end of the site, an excavator was used to break up the asphalt roadway, except around the drain inlets near the fence due to the close proximity of bird nests. Asphalt was also left in place inside the north gate entrance.

At the time of the CPUC EM's site visits on May 2 and 4, base rock was being delivered, spread, and compacted, and crews were excavating the switchgear foundation towards the northwest corner of the site and installing conduit (see Figures 1 through 4).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI), conducted inspections and nesting bird monitoring May 1–5. 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 four active bird nests, which included an Eurasian dove nest on the south side of the site, a

mockingbird nest and a bushtit nest on the north side of the site, and a western scrub jay nest in the northwest corner of the site, were monitored each day that construction activities occurred and no disturbance to the nesting birds was observed. Construction activities occurred up to the boundary of the 50-foot buffer for the Eurasian collared dove nest. On May 2, the PG&E EI observed that the fledglings had left the nest, and once confirmed, removed the nest. The PG&E EI reduced the buffer to 15 feet to allow a temporary buffer for the fledglings. On May 4, the pair began nest-building in a tree at the southern fence line, just east of the prior nest tree. On May 5, it was observed that the pair is now incubating in the new nest. No buffer has been set up at this time as the birds are not a protected species and adjacent construction activity did not deter them from nesting.

- Along the northern fence line, the northern mockingbird nest continues to be in the incubation stage. On May 1, the 45-foot buffer was reduced temporarily while an excavator worked within 20 to 30 feet of the nest for approximately 1.5 hours to remove asphalt. Otherwise, work took place up to the boundary of the 45-foot bird buffer. The bushtit nest is presumed to also be in the incubation stage. Work occurred up to the 20-foot buffer. On May 2, the PG&E EI determined that the California scrub jay nest had failed for unknown reasons. No construction activity occurred within 90 feet of the nest at any time, and no signs of nest disturbance or predation were observed. On May 3, the scrub jay nest buffer was removed.
 - 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. No SWPPP inspections were performed during the week since there was no precipitation.
 3. On May 2 and 4, 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 5/10/17)

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 5/10/17)

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 – Spreading and compacting base rock at substation site – view southwest, May 2, 2017.



Figure 2 – Spreading and compacting base rock at substation site – view west, May 4, 2017.



Figure 3 – Switchgear excavation at substation site – view west, May 2, 2017.