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PROJECT MEMORANDUM
PG&E WINDSOR SUBSTATION PROJECT

To: Eric Chiang, Project Manager, CPUC
From: Vida Strong, Aspen Project Manager
Date: December 7, 2016
Subject: Monitoring Report #1 – September 26 to December 4, 2016

This report provides a summary of the construction and compliance activities associated with the PG&E Windsor Substation Project.

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 onsite September 29th, November 28th and December 1st

CPUC NTPs

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 Sept. 26th – Oct, 2nd

On Sept. 29th, the CPUC EM met with PG&E's Environmental Inspector (EI) to review wetland flagging and Environmentally Sensitive Area (ESA) fencing around oak trees for protection. The flagging and fencing was found to be sufficient.

Week of Oct. 31st – Nov. 6th

On Wednesday, November 2nd, PG&E's contractor, Hot Line Construction, Inc., mowed vegetation in a 4-foot swath to facilitate silt fence installation. At that time, it was identified that a limb on the oak tree overhanging the abandoned well shed would need to be trimmed so that machinery could access the well during capping.

On Friday, November 4th, a walk-behind trencher was used to install silt fence along the west and south perimeters of the substation work area and "wetland boundary" signage was placed along the fence (see Figure 1). The silt fence provides at minimum a 7-foot buffer for all wetland areas. Straw wattles were installed along the northern fence line, and rumble plates were placed at the entrance gates. BMPs (straw wattles) were stockpiled at the site. Contact information on the sign at the substation site for air quality was corrected.

Week of Nov. 7th – Nov. 13th

No work was conducted during the week.

Week of Nov. 14th – Nov. 20th

Tree removal was performed on Monday and Tuesday, Nov. 14th and 15th. Trees were trimmed or removed as identified in the arborist survey, although trees 8 and 9 were not trimmed at this time, and an oak tree adjacent to the well house was also trimmed in order to facilitate removal of the well house. Brush and saplings between the east fence and Old Redwood Highway (Area B on the arborist assessment) were removed. Brush was chipped into a trailer and removed from the site. Also, a weed whacker was used to reduce tall vegetation along the equipment access route in the center and north portion of the substation site.

Week of Nov. 21st – Nov. 27th

Work conducted Monday and Tuesday, Nov. 21st and Nov. 22nd, consisted of Hot Line Construction, Inc. mobilizing equipment, spreading base rock at the entrance gates and eastern fence line (for work trailers), grubbing vegetation, removing the underground storage tank, removing the abandoned well shed, breaking up and removing the concrete pad and walls, and removing the telephone pole and large metal posts (see Figure 2). Debris was placed in piles and covered with plastic ringed with fiber rolls or hauled off site using dump trucks.

Due to wet conditions, work on Wednesday, Nov. 23rd, was limited to installing fencing around excavations, adding gravel bags near a drain, and ensuring debris piles were covered.

No work was conducted Thursday and Friday, Nov. 24th and Nov. 25th, due to Thanksgiving Holiday.

Week of Nov. 28th – Dec. 4th

Demolition and grading work were performed throughout the week by Hot Line Construction, Inc. The contractor continued using excavators to break-up the concrete pad (see Figure 3). The concrete was stockpiled and the metal rails were separated for recycling prior to the debris being hauled off site (see Figure 4). A portion of plastic drain pipe was excavated and removed.

Base rock and gravel were delivered and spread on the truck access route to avoid track-out onto Old Redwood Highway, and brooms were used as needed to remove any track-out that did occur. Cautionary signage was installed along Old Redwood Hwy, and traffic control was implemented by crew members. Dust control was achieved using a water buffalo.

California Construction surveyors set grade and boundary stakes. Coggins Fence repaired a hole in the west perimeter fence and fixed a sagging fence section on the north side. Kleinfelder analyzed and sampled soil from soil pits dug by Hotline.

At the time of the CPUC EM's site visit on Monday, November 28th, and Thursday, December 1st, crews were conducting demolition of the existing concrete pad. The concrete and rebar were separated, and hauled off site by long-bed haul trucks.

Environmental Compliance:

1. PG&E's Environmental Inspector (EI) was onsite each day work occurred and monitored all construction activities. No compliance issues were noted.
2. Special-status species observed by PG&E's Environmental Inspector (EI) included Cooper's hawk (*Accipiter cooperii*), red-tailed hawk (*Buteo jamaicensis*), and Peregrine falcon (*Falco peregrinus*).
3. A SWPPP inspection by AHTNA was performed Tuesday, Nov. 22nd, resulting in additional base rock being spread at the entrance to address track out. AHTNA performed two more SWPPP inspections on Monday, November 28th, and Thursday, December 1st, and expressed no concerns.

4. 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. ESA fencing was also installed around oak trees for protection. All observed work activities were in compliance with mitigation measures (MMs), Applicant Proposed Measures (APMs), and other permit requirements.
5. The CPUC EM observed two special-status species while conducting monitoring, including a red-tailed hawk and Peregrine falcon flying over the project site.

12 kV Distribution Line Underbuild and Reconductoring Work

NTP #2 request for the 12 kV distribution line underbuild and reconductoring work is expected to be submitted to the CPUC in January or February 2017.

Notices to Proceed

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

Table 1
Notice to Proceeds (NTPs)
(Updated 12/07/16)

NTP #	Date Requested	Date Issued	Phase	Description
NTP #1	5/17/16	6/15/16	Windsor Substation	Windsor Substation component of the Project.
	To be Submitted		12 kV Line Underbuild & Reconductoring	

Minor Project Changes

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

Table 2
Minor Project Changes (MPCs)
(Updated 12/07/16)

MPC #	Date Requested	Date Issued	Phase	Description
MPC #1	5/17/16	6/15/16	Configuration of the SPCC Pond and Stormwater Flow	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	Use of Water Truck or Driwater Pods	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	Replacement of Culverts	Replacement of culverts in existing roadways entering substation site and Herb Lane. MPC #3 incorporated into NTP #1.

PROJECT PHOTOS

Figure 1 – Silt fence and ESA fencing installed at substation site, November 28, 2016.

Figure 2 – Substation site vegetation grubbed and graded with stockpiles covered in plastic and surrounded with straw wattles, November 28, 2016.

Figure 3 – Demolition of existing concrete pads at substation site, November 28, 2016.

Figure 4 – Demolished concrete and debris being loaded into haul truck at substation site, December 1, 2016.