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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 23, 2016
Subject: Monitoring Report #3 – December 12 to December 18, 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 December 12th, 15th, and 16th

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:

Construction activities occurred Monday and Tuesday, December 12th and 13th, and included excavating soil from the central trench area for continued addition of base rock (see Figure 1). The excavated soil was stockpiled and covered at the end of the day. On the south side of the site, fences around two of the tree protection zones were relocated to within approximately 3 feet of the existing cyclone fence to enable construction of the substation pad, while protecting the trees. Mirafi fabric was installed, and rock was spread over the fabric to a depth of 6 inches and compacted with vibra plates (see Figure 2).

Various efforts were made to address storm water runoff and water ponding in the work areas. These efforts consisted of using sediment filtering fabric bags, constructing a discharge basin lined with plastic and filled with gravel, constructing berms along the northern boundary of the site, and excavating a settling basin. The basin, which was located on the western side of the site where the Spill Prevention Control and Countermeasure (SPCC) ponds will be constructed approximately 5 feet from the silt fence, is 30 feet by 60 feet by 4 feet deep, has 2:1 slopes, and was lined with plastic secured with sandbags.

Wednesday morning, December 14th, the crew secured the site in advance of a storm. Plastic was secured on all stockpiles with sandbags and rope, rock piles were added to a trench adjacent to the central excavation pond, and additional fiber rolls and gravel bags were added at the drain inlets along the northern fence. All trash was picked up and equipment was parked in a central area on the east side of the site. Work was suspended for the rest of the week.

Traffic warning signs for construction were staged on Old Redwood Highway during work.

At the time of the CPUC EM's site visit on Wednesday, December 12th, crews were excavating soil from the middle of the site, and laying and compacting base rock on the south side of the site. There was a lot of storm water on the site that was flowing towards the drainage inlets and the northern perimeter of the site (see Figure 3). The CPUC EM discussed concerns about turbid water leaving the site with the PG&E Environmental Inspector (EI) and adding BMPs around the two drain inlets on the north side.

The CPUC EM conducted a site visit of the perimeter of the substation site on Thursday, December 15th, a little after 2 pm during the storm event. Even though there was a lot of water that accumulated at the site during the rain event, the BMPs held up fairly well. There was one small area where sediment laden water was leaving the site, crossing Herb Road (see Figure 4), and entering an unnamed ephemeral drainage (see Figure 5) that flows to Sotoyome Creek, which eventually flows to the Russian River.

The CPUC EM conducted another site visit on Friday, December 16th, around 11 am after the storm event. Much of the water from the storm event had left the site and there was no water around the drainage inlets (see Figure 6) and the ephemeral drainage was running fairly clear (see Figure 7).

Environmental Compliance:

1. PG&E's Environmental Inspector (EI) was onsite each day work occurred and monitored all construction activities. The following occurrence was noted by the PG&E EI on December 14th:
    - The Hotline water truck that had been parked adjacent to the PG&E office trailer at the eastern perimeter of the site, well away from wetlands, was removed from the site on a flatbed truck. After removal, the PG&E EI noticed a sheen on the ground where the truck had been parked. The truck apparently had a slow oil drip while stationary (it was never put in operation since being brought to the site). It was estimated that approximately 1/8 cup of oil was on the ground and in small puddles of rain water. Hotline used absorbent material to soak up the oil from the puddles and shoveled all contaminated soil; most of a 5-gallon bucket was filled.
2. No special-status species were observed by PG&E's EI.
3. SWPPP inspections by AHTNA were performed December 13th and 14th.
4. The CPUC EM observed that the site was neat and clean, and that additional SWPPP measures were installed to address the upcoming storm. 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. All observed work activities were 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 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 12/23/16)

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 12/23/16)

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 – Excavating soil in central area of substation site, December 12, 2016.

Figure 2 – Compacting base rock on southern side of substation site, December 12, 2016.

Figure 3 – Water flowing to drainage inlets on northern side of substation site, December 12, 2016.

Figure 4 – Sediment laden water crossing Herb Road, December 15, 2016.

Figure 5 – Sediment laden water entering ephemeral drainage, December 15, 2016.

Figure 6 – Drainage inlets on the north side of the substation site after storm event, December 16, 2016.

Figure 7 – Ephemeral drainage to which drainage inlets flow after storm event, December 16, 2016.