

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



May 4, 2017

EA2017-748

Adeel Babar
Supervisor – Regulatory Compliance
Pacific Gas and Electric Company (PG&E)
3401 Crow Canyon Road, #221E
San Ramon, CA 94583

SUBJECT: Electric Distribution Audit of PG&E Yosemite Division

Mr. Babar:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission (CPUC), Ivan Garcia of my staff conducted an Electric Distribution Audit of PG&E's Yosemite Division on March 20, 2017 to March 24, 2017. The audit included a review of PG&E's records and a field inspection of its distribution facilities.

During the audit, my staff identified violations of one or more General Orders (GOs). A copy of the audit findings itemizing the violations is enclosed. Please advise me no later than June 5, 2017, by electronic or hard copy, of all corrective measures taken by PG&E to remedy and prevent such violations.

If you have any questions concerning this audit, please contact Ivan Garcia at (916) 928-5875 or ivan.garcia@cpuc.ca.gov.

Sincerely,

A handwritten signature in blue ink that reads "Fadi Daye".

Fadi Daye, P.E.
Program and Project Supervisor
Electric Safety and Reliability Branch
Safety and Enforcement Division
California Public Utilities Commission

Enclosures: CPUC Audit Findings

Cc: Elizaveta Malashenko, Director, Safety and Enforcement Division, CPUC
Lee Palmer, Deputy Director, Office of Utility Safety, SED, CPUC
Charlotte TerKeurst, Program Manager, ESRB, CPUC
Ivan Garcia, Utilities Engineer, ESRB, CPUC

AUDIT FINDINGS

I. Records Review

During the audit, my staff reviewed the following records:

- Reliability Metrics from March 2013 to February 2017
- Patrol and Inspection Records from February 2012 to February 2017
- Completed Corrective Action Work Orders from February 2012 to February 2017
- Cancelled Corrective Action Work Orders from February 2016 to February 2017
- Pending Corrective Action Work Orders from February 2016 to February 2017
- Pole Loading Calculations from February 2016 to February 2017
- New Construction Projects from February 2016 to February 2017
- Third Party Notification Records from February 2012 to February 2017
- Diagnostic Equipment Testing Records from February 2012 to February 2017

II. Records Violations

GO 165, Section III-B, Standards for Inspection, States:

Each utility subject to this General Order shall conduct inspections of its distribution facilities, as necessary, to ensure reliable, high quality, and safe operation, but in no case may the period between inspections (measured in years) exceed the time specified in Table 1.

A total of 507 overhead and underground facilities were inspected late per GO 165.

GO 165, Section III-C, Record Keeping, states in part:

For all inspections records shall specify circuit, area, facility, or equipment inspected, the inspector, the date of the inspection, and any problems (or items requiring corrective action) identified during each inspection, as well as the scheduled date of corrective action.

GO 95, Rule 31.1, Design, Construction, and Maintenance, states in part:

Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to enable the furnishing of safe, proper, and adequate service.

For all particulars not specified in these rules, design, construction, and maintenance should be done in accordance with accepted good practice for the given local conditions known at the time by those responsible for the design, construction, or maintenance of communication or supply lines and equipment.

GO 128, Rule 17.1, Design, Construction, and Maintenance, states in part:

Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to enable the furnishing of safe, proper, and adequate service.

PG&E's records indicated that from January 2012 to February 28, 2017, 2684 work orders for overhead facilities and 282 work orders for underground facilities were completed past their scheduled date of corrective action per PG&E's Electric Notification Prioritization Standards. In addition, 67 work orders have passed their corrective action date and are still pending.

III. Field Inspection

The following are the facilities we inspected during the field inspection:

Structure Number	Type of Structure	Approximate Location
101175531	Pole	2018 Santa Rita St., Dos Palos
101175534	Pole	2 nd pole in alley, next to 2018 Santa Rita St., Dos Palos
N/A	Pole	802 California Ave., Dos Palos
N/A	Pole	8586 Pole Line Rd., Dos Palos
N/A	Pole	Highway 180 and West Belmont St., Mendota
N/A	Pole	Paul Negra Rd. and Nees Rd., Firebaugh
N/A	Pole	24352 Kome Rd., Miwuk Village
N/A	Pole	20714 Muheli Way, Miwuk Village
N/A	Pole	20718 Muheli Way, Miwuk Village
N/A	Pole	20737 Muheli Way, Miwuk Village
N/A	Pole	24042 Pine Lake Dr., Miwuk Village
N/A	Pole	24058 Pine Lake Dr., Miwuk Village
N/A	Pole	Pine Lake Dr. & Wildcat Dr., Miwuk Village
N/A	Pole	Wildcat Dr., Miwuk Village
N/A	Pole	24247 Highway 108, Twain Harte
N/A	Pole	Across from 24247 Highway 108, Twain Harte
N/A	Pole	24252 Highway 108, Twain Harte
N/A	Pole	24262 Highway 108, Twain Harte
N/A	Pole	24628 Highway 108, Twain Harte
N/A	Pole	24630 Highway 108, Twain Harte
N/A	Pole	Pole next to 24630 Highway 108, Twain Harte
N/A	Pole	5746 McHenry Rd., Merced
N/A	Pole	1078 Lawndale Ave., Merced
N/A	Pole	2729 Pioneer Rd., Merced
N/A	Pole	Pole across from 2729 Pioneer Rd., Merced
N/A	Pole	2020 E Childs Ave., Merced
N/A	Pole	Next pole west from 2020 E Childs Ave., Merced
N/A	Pole	Second pole west from 2020 E Childs Ave., Merced
N/A	Pole	5678 McHenry Rd., Merced
110527896	Pole	5646 McHenry Rd., Merced
120105800	Pole	512 Arboleda Dr., Merced
N/A	Pole	Next pole west of 512 Arboleda Dr., Merced

IV. Field Inspection Violations

We observed the following violations during the field inspection.

GO 95, Rule 56.2, Use of Overhead Guys, Anchor Guys and Span Wires states in part:

Guys shall be attached to structures, as nearly as practicable, at the center of load. They shall be maintained taut and of such strength as to meet the safety factors of Rule 44.

The guy wire on the following poles was not taught:

- #101175531 at 2018 Santa Rita St., Dos Palos
- Pole at 802 California Ave., Dos Palos
- Pole at 20737 Muheli Way, Miwuk Village

GO 95, Rule 56.7-B, Location of Sectionalizing Insulators for Anchor Guys states in part:

In order to prevent trees, buildings, messengers, metal-sheathed cables or other similar objects from grounding portions of guys above guy insulators, it is suggested that anchor guys be sectionalized, where practicable, near the highest level permitted by this Rule.

Vegetation was in contact with a section above the sectionalizing insulator of the down guy on the pole located at 24630 Highway 108, Twain Harte.

GO 95, Rule 84.7-A, Climbing and Working Space states in part:

The climbing space shall be kept free from obstructions excepting those obstructions permitted by Rule 84.7-E.

An AT&T jumper wire on the pole located at 1078 Lawndale Ave., Merced, obstructed the climbing space.