

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
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November 7, 2016

TA2016-006

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

SUBJECT: Audit of PG&E Victor Division

Mr. Babar:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission, Wilson Tsai of my staff conducted a Transmission audit of PG&E's Victor Division from October 10, 2016 to October 13, 2016. The audit included a review of PG&E's records and field inspections of PG&E's 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 December 7, 2016, 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 Wilson Tsai at (415) 703-1359 or wilson.tsai@cpuc.ca.gov.

Sincerely,

Handwritten signature of Fadi Daye in blue ink.

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

Enclosure: 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, Electric Safety and Reliability Branch, CPUC

AUDIT FINDINGS

I. Records Review

My staff reviewed the following during the audit:

- a. PG&E's GO 95 & 128 inspection program records
- b. Circuit map for Stockton and surrounding areas
- c. Closed and open notifications from 2015 & 2016
- d. Pole loading and intrusive test records
- e. PG&E's procedures on infrared inspections, insulator washing, and metal pole inspections
- f. Field inspection records for 10 overhead circuits

II. Field Inspection

My staff inspected the following facilities:

Structure Number	Circuit
7/39	Tesla-Tracy 500 kV
7/40	Tesla-Tracy 500 kV
7/41	Tesla-Tracy 500 kV
7/42	Tesla-Tracy 500 kV
7/43	Tesla-Tracy 500 kV
37/248	Weber-Tesla 230 kV
35/237	Weber-Tesla 230 kV
34/223	Weber-Tesla 230 kV
34/224	Weber-Tesla 230 kV
34/225	Weber-Tesla 230 kV
33/222	Weber-Tesla 230 kV
33/221	Weber-Tesla 230 kV
33/220	Weber-Tesla 230 kV
33/220	Tesla-Tracy 115 kV
33/221	Tesla-Tracy 115 kV
33/222	Tesla-Tracy 115 kV
34/223	Tesla-Tracy 115 kV
33/219	Tesla-Tracy 115 kV
33/218	Tesla-Tracy 115 kV
LC	Tesla-Tracy 115 kV
0/4	Kasson-Carbona 60 kV
2/13	Kasson-Carbona 60 kV
2/14	Kasson-Carbona 60 kV
2/15	Kasson-Carbona 60 kV
2/16	Kasson-Carbona 60 kV

Structure Number	Circuit
2/17	Kasson-Carbona 60 kV
2/18	Kasson-Carbona 60 kV
2/19	Kasson-Carbona 60 kV
2/20	Kasson-Carbona 60 kV
0/4	Kyoho Tap 115 kV
0/5	Kyoho Tap 115 kV
0/6	Kyoho Tap 115 kV
0/7	Kyoho Tap 115 kV
0/8	Kyoho Tap 115 kV
SW-594	Camanche Pumping Plant Tap 230 kV
SW-597	Camanche Pumping Plant Tap 230 kV
SW-599	Camanche Pumping Plant Tap 230 kV
11/51A	Camanche Pumping Plant Tap 230 kV
11/52A	Camanche Pumping Plant Tap 230 kV
0/8	Camanche Tap 115 kV
0/9	Camanche Tap 115 kV
0/4	Lockeford-Industrial 60 kV
0/5	Lockeford-Industrial 60 kV
0/3	Lockeford-Industrial 60 kV
0/2	Lockeford-Industrial 60 kV

III. Field Inspection – Undocumented Violations List

My staff observed the following violations during our field inspection. None of these violations were documented and/or addressed by PG&E during its last inspection:

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.

A switch platform was missing a pier block support on Kasson-Carbona Tower No. 2/16.

IV. Field Inspection – Documented Violations List

My staff observed the following violations during the field inspection that were documented by PG&E during its last inspection:

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.

There was a cracked concrete foundation block which supports Tesla-Tracy 500 kV Tower No. 37/248.

A steel leg at the base of Tesla-Tracy 115 kV Tower No. 33/220 was bent.

GO 95, Rule 61.6, Design, Construction, and Maintenance, states in part:

A minimum radial distance of six feet shall be maintained between any portion of the fence or wall and the tower

A third-party unauthorized fence runs directly underneath Tesla-Tracy 500 kV Tower No. 35/237. The fence, while not intended as a barrier for the tower, falls within the six feet minimum radial distance.