

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
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July 13, 2018

Melvin Stark
Principal Manager, T&D Compliance Integration
Southern California Edison (SCE)
1 Innovation Way
Pomona, CA 91786

EA2018-813

Subject: Audit of Southern California Edison's San Joaquin Valley District

Mr. Stark:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), Richard Kyo, James Miller, and Howard Huie my staff conducted an electric audit of Southern California Edison's (SCE) San Joaquin Valley District from March 5, 2018, to March 9, 2018. The audit included a review of SCE's records and field inspections of SCE'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 August 13, 2018, by electronic or hard copy, of all corrective measures taken by SCE to remedy and prevent such violations.

If you have any questions concerning this audit, you can contact Richard Kyo at (213) 576-7081 or richard.kyo@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, CPUC
Charlotte TerKeurst, Program Manager, Electric Safety and Reliability Branch, CPUC

AUDIT FINDINGS

I. Records Review

During the audit, my staff reviewed the following records:

- Overhead and underground detailed inspections records.
- Completed and pending corrective action work orders.
- Pole loading calculations.
- Safety hazard notifications.
- Intrusive test records
- SCE's documented inspection program.

II. Records Review – Violations List

My staff observed the following violations during the records review portion of the audit:

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

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 95, 31.2, Inspection of Lines, states in part:

Lines shall be inspected frequently and thoroughly for the purpose of ensuring that they are in good condition so as to conform with these rules. Lines temporarily out of service shall be inspected and maintained in such condition as not to create a hazard.

SCE's records indicated that from 2014 to 2018, SCE completed 22 work orders past their scheduled due date of corrective action.

III. Field Inspections

My staff inspected the following facilities during the field inspection:

No.	Structure ID.	Type of Structure	Location
1	4408581E	Pole	Three Rivers
2	4621141E	Pole	Three Rivers
3	4477760E	Pole	Three Rivers
4	4842466E	Pole	Three Rivers
5	4622816E	Pole	Three Rivers
6	4408582E	Pole	Three Rivers
7	4519479E	Pole	Three Rivers
8	4699319E	Pole	Exeter
9	4358662E	Pole	Exeter
10	2000656E	Pole	Exeter
11	527358	Pole	Exeter
12	602796E	Pole	Exeter
13	939301E	Pole	Exeter
14	4488993E	Pole	Exeter
15	4552527E	Pole	Exeter
16	4434250E	Pole	Farmersville
17	401342E	Pole	Farmersville
18	401341E	Pole	Farmersville
19	401340E	Pole	Farmersville
20	401339E	Pole	Farmersville
21	401338E	Pole	Farmersville
22	401337E	Pole	Farmersville
23	527598E	Pole	Farmersville
24	401336E	Pole	Farmersville
25	629189E	Pole	Porterville
26	1187978E	Pole	Porterville
27	1980529E	Pole	Terra Bella
28	2198195E	Pole	Terra Bella
29	987047E	Pole	Terra Bella
30	1388798E	Pole	Terra Bella
31	1757634E	Pole	Ivanhoe
32	5156286	Manhole	Tulare
33	5156293	Vault	Tulare
34	5643637	Padmount	Tulare
35	5590220	Padmount	Tulare
36	5334694	Vault	Tulare
37	5013477	Manhole	Tulare
38	5013477	Manhole	Tulare
39	5059412	B.U.R.D	Visalia

IV. Field Inspection Violations List

My staff observed the following violations during the field inspection:

GO 128, Rule 32.5, Covers, states:

Warning signs indicating high voltage shall be installed on an interior surface, or barrier if present, inside the entrance of vaults, manholes, handholes, pad-mounted transformer compartments, and other above ground enclosures containing exposed live parts above 750 volts. Such warning sign shall also be installed on an exterior surface of all such padmounted transformer compartments and other above ground enclosures. Such signs shall be clearly visible to a person in position to open any such access door, other opening, or barrier.

A high voltage sign was not visible on an interior surface of the entrance of SCE manhole number 5156286.