

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



April 28, 2017

Melvin Stark
Manager, Maintenance & Inspection
Southern California Edison Company (SCE)
3 Innovation Way
Pomona, CA 91786

EA2017-775

Subject: Audit of Southern California Edison's Ridgecrest District

Mr. Stark:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), Richard Kyo and Eric Ujiye of my staff conducted an electric audit of Southern California Edison's (SCE) Ridgecrest District from February 27, 2017 to March 3, 2017. 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 May 28, 2017, 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, Safety and Enforcement Division, 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:

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.

GO 165, Section III-C, Standards for Inspection, states:

For all inspections records shall specify the 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.

SCE's records indicated that from 2014 to 2017, SCE completed work orders numbered 406636609, 406346350, 406997124, 406575212, and 406630574 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	1998109E	Pole	Ridgecrest
2	4418305E	Pole	Ridgecrest
3	2055913E	Pole	Ridgecrest
4	2055914E	Pole	Ridgecrest
5	2110166E	Pole	Ridgecrest
6	2110165E	Pole	Ridgecrest
7	2110164E	Pole	Ridgecrest
8	2110163E	Pole	Ridgecrest
9	4298290E	Pole	Ridgecrest
10	4298291E	Pole	Ridgecrest
11	4298292E	Pole	Ridgecrest
12	4298293E	Pole	Ridgecrest
13	4298294E	Pole	Ridgecrest
14	4286331E	Pole	Ridgecrest
15	4288289E	Pole	Ridgecrest
16	4298288E	Pole	Ridgecrest
17	4288287E	Pole	Ridgecrest
18	4298286E	Pole	Ridgecrest
19	4298254E	Pole	Ridgecrest
20	4241560E	Pole	Ridgecrest
21	4241561E	Pole	Ridgecrest
22	4241559E	Pole	Ridgecrest
23	4241558E	Pole	Ridgecrest
24	4241557E	Pole	Ridgecrest
25	4241556E	Pole	Ridgecrest
26	4241555E	Pole	Ridgecrest
27	4241554E	Pole	Ridgecrest
28	4241553E	Pole	Ridgecrest
29	4241552E	Pole	Ridgecrest
30	4240928E	Pole	Ridgecrest
31	4240665E	Pole	China Lake
32	4838456E	Pole	Ridgecrest
33	2172373E	Pole	Ridgecrest
34	1646396E	Pole	Ridgecrest
35	20055641E	Pole	Ridgecrest
36	1998109E	Pole	Ridgecrest
37	2135958E	Pole	Ridgecrest
38	1899871E	Pole	Ridgecrest

39	5470213	Padmount	Ridgecrest
40	5484304	Padmount	Ridgecrest
41	5484325	Padmount	Ridgecrest
42	5043597	Padmount	Ridgecrest
43	5484310	Padmount	Ridgecrest
44	5340421	Padmount	Ridgecrest
45	5121183	BURD Structure	Ridgecrest

IV. Field Inspection Violations List

My staff observed the following violations during the field 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.

GO 95, Rule 51.6-A, Marking and Guarding, High Voltage Marking of Poles, states in part:

Poles which support line conductors of more than 750 volts shall be marked with high voltage signs. This marking shall consist of a single sign showing the words "HIGH VOLTAGE", or pair of signs showing the words "HIGH" and "VOLTAGE", not more than six (6) inches in height with letters not less than 3 inches in height. A pair of signs may be stacked to a height of no more than 12 inches. Such signs shall be of weather and corrosion-resisting material, solid or with letters cut out therefrom and clearly legible.

The high voltage signs on the following SCE poles were damaged:

- 4418305E - 2110166E - 2110164E -2110163E - 4298286E
- 4241553E - 4240928E

SCE pole number 1998109E was not marked with high voltage signs.

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.

GO 95, Rule 54.6-B, Ground Wires, states in part:

That portion of the ground wires attached on the face or back of wood crossarms or on the surface of wood poles and structures shall be covered by a suitable protective covering (see Rule 22.8).

SCE poles numbered 2055913E and 2110163E were missing a section of ground moulding.