

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



August 2, 2023

EA2023-1079

Melvin Stark
Principle Manager, T&D Compliance Integration
Southern California Edison Company
1 Innovation Way
Pomona, CA 91786

Subject: Audit of Southern California Edison's Long Beach

District Mr. Stark:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission (CPUC) Kyle King of my staff conducted an electric distribution audit of Southern California Edison's (SCE) Long Beach District from July 10, 2023 to July 14, 2023. The audit included a review of SCE's inspection and maintenance records and a field inspection 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 September 4, 2023, 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 Kyle King at (213) 222-3260 or Kyle.King@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

Enclosure: Audit Findings

Cc: Lee Palmer, Director, Safety and Enforcement Division,
CPUC Nika Kjensli, Program Manager, ESRB, SED, CPUC
Derek Fong, Senior Utilities Engineer, ESRB, SED, CPUC
Kyle King, Utilities Engineer, ESRB, SED, CPUC

Audit Findings

I. Records Review

During the audit, my staff reviewed the following records:

- Overhead and underground detailed inspection records
- Patrol records
- Completed and pending corrective action work orders
- Pole load calculations
- Intrusive test records
- Safety hazard notifications
- SCE's documented inspection program.
- Vegetation Management Records

II. Field Inspection

My staff inspected the following facilities during the field inspection:

No.	Structure Identification	Structure Type	Location
1	1334568E	Pole	Long Beach
2	1334569E	Pole	Long Beach
3	2382396E	Pole	Long Beach
4	2382395E	Pole	Long Beach
5	2382394E	Pole	Long Beach
6	2382392E	Pole	Long Beach
7	2381574E	Pole	Long Beach
8	2382391E	Pole	Long Beach
9	2382390E	Pole	Long Beach
10	2382144E	Pole	Long Beach
11	1568554E	Pole	Long Beach
12	1568855E	Pole	Long Beach
13	1568856E	Pole	Long Beach
14	1568857E	Pole	Long Beach
15	1568858E	Pole	Long Beach
16	B11553Y	Pole	Long Beach
17	2276667E	Pole	Long Beach
18	4527596E	Pole	Long Beach
19	907000E	Pole	Long Beach
20	1568853E	Pole	Long Beach
21	I0588Y	Pole	Long Beach
22	4228256E	Pole	Long Beach
23	4228257E	Pole	Long Beach
24	4228258E	Pole	Long Beach
25	797563	Pole	Long Beach
26	4374081E	Pole	Long Beach
27	4379525E	Pole	Long Beach
28	4379518E	Pole	Long Beach
29	4379513E	Pole	Long Beach
30	1813084E	Pole	Long Beach
31	2006064E	Pole	Lakewood
32	4469334E	Pole	Lakewood
33	4607561E	Pole	Lakewood
34	2006069E	Pole	Lakewood
35	4717388E	Pole	Lakewood
36	2006067E	Pole	Lakewood
37	2006066E	Pole	Lakewood
38	1812971E	Pole	Lakewood

39	1812970E	Pole	Lakewood
40	1812969E	Pole	Lakewood
41	1746783E	Pole	Lakewood
42	1774382E	Pole	Lakewood
43	1746782E	Pole	Lakewood
44	1731586E	Pole	Lakewood
45	1731587E	Pole	Lakewood
46	1731588E	Pole	Lakewood
47	1731589E	Pole	Lakewood
48	1731590E	Pole	Lakewood
49	1731591E	Pole	Lakewood
50	1746779E	Pole	Lakewood
51	1774502E	Pole	Hawaiian Gardens
52	1710444E	Pole	Hawaiian Gardens
53	1710443E	Pole	Hawaiian Gardens
54	1710442E	Pole	Hawaiian Gardens
55	1710441E	Pole	Hawaiian Gardens
56	1710440E	Pole	Hawaiian Gardens
57	1710434E	Pole	Hawaiian Gardens
58	4417801E	Pole	Seal Beach
59	790819E	Pole	Seal Beach
60	1642672E	Pole	Seal Beach
61	790812E	Pole	Seal Beach
62	1881362E	Pole	Seal Beach
63	790811E	Pole	Seal Beach
64	1183664E	Pole	Seal Beach
65	4345817E	Pole	Seal Beach
66	599007E	Pole	Seal Beach
67	9830Y	Pole	Seal Beach
68	4527733E	Pole	Seal Beach
69	2046064E	Pole	Seal Beach
70	1503057E	Pole	Seal Beach
71	1503056E	Pole	Seal Beach
72	1503055E	Pole	Seal Beach
73	1503054E	Pole	Seal Beach
74	1503053E	Pole	Seal Beach
75	1503052E	Pole	Seal Beach

76	P5352658	Padmounted Transformer	Long Beach
77	PME6654	Padmounted Switch	Long Beach
78	P5051740	Padmounted Transformer	Lakewood
79	5133271	Vault	Long Beach
80	M5133268	Manhole	Long Beach
81	V5133272	Vault	Long Beach

82	P5479974	Padmounted Transformer	Long Beach
83	P5479909	Padmounted Transformer	Long Beach
84	V5133998	Vault	Long Beach
85	V5135806	Vault	Long Beach
86	645923E	Pole	Long Beach
87	139254E	Pole	Long Beach
88	694725E	Pole	Long Beach
89	B13411Y	Pole	Long Beach
90	4189322E	Pole	Long Beach
91	4717924E	Pole	Long Beach
92	1108601E	Pole	Lakewood
93	924500E	Pole	Lakewood

III. Field Inspection – Violations List

My staff observed the following violations during the field inspection portion of the audit:

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.

Facilities on the following poles needed maintenance:

- I568855E: a visibility strip was damaged.
- 1334568E: a guy guard was damaged.
- 4374081E: a visibility strip was damaged.
- 4379525E: a visibility strip was damaged.

GO 95, Rule 34, Foreign Attachments, states in part:

Nothing in these rules shall be construed as permitting the unauthorized attachment, to supply, street light or communication poles or structures, of antennas, signs, posters, banners, decorations, wires, lighting fixtures, guys, ropes and any other such equipment foreign to the purposes of overhead electric line construction.

An unauthorized sign was attached to Pole number 1334569E.

GO 95, Rule 51.6, 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” sign or band on each of the following poles was missing or damaged:

- | | | |
|------------|------------|------------|
| • 1568554E | • 4228258E | • 1746783E |
| • I568855E | • 4374081E | • 1774382E |
| • 2276667E | • 4379525E | • 1746782E |
| • 1568853E | • 4379518E | • 1731590E |
| • I0588Y | • 4379513E | • 1183664E |
| • 4228256E | • 1813084E | • 1503054E |
| • 4228257E | • 1812969E | • 1108601E |

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).

The ground moulding on each of the following poles was damaged:

- 1334568E
- 1503055E
- 1108601E

GO 128, Rule 17.1, 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 [the] communication or supply lines and equipment.

Vegetation was obstructing the opening of padmounted transformer P5352658.