

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
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September 3, 2026

TA2026-1493

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Subject: Transmission Audit of Southern California Edison's Orange Grid

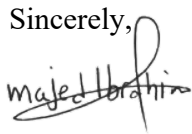
Ms. Villalobos:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), SM Arafat Kamal and Jose Lastra of my staff conducted an electric transmission audit of Southern California Edison's (SCE) Orange Grid from August 10-14, 2026. The audit included a review of SCE's inspection and maintenance 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 that itemize the violations is included with this letter. Please advise me no later than October 5, 2026, by electronic or hard copy, of all corrective measures taken by SCE to remediate and prevent such violations.

Please note that ESRB will be posting the audit report and the utility response to our audit on the CPUC website. If any information within the response is to be considered confidential, we are requesting two response versions be submitted, a confidential non-redacted response version and a public viewable or redacted response version.

If you have any questions concerning this audit, you can contact SM Arafat Kamal at (213) 902-0325 or SMArafat.Kamal@cpuc.ca.gov.

Sincerely,


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

Enclosures: Audit Findings

Cc: Koko Tomassian, Director for Safety and Enforcement Division, CPUC
Eric Wu, Program Manager, Electric Safety and Reliability Branch, CPUC
Saimon Islam, Senior Utilities Engineer, Supervisor, ESRB, CPUC
SM Arafat Kamal, Utilities Engineer, Electric Safety and Reliability Branch, CPUC
Jose Lastra, Utilities Engineer, Electric Safety and Reliability Branch, CPUC

AUDIT FINDINGS

I. Records Review

During the audit, my staff reviewed the following records:

- Circuit facility inspection records.
- Completed and pending corrective action work orders.
- Pole loading calculations.
- Tower Structure Analysis Records.
- 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 18-B1, Maintenance Programs, states in part:

Companies shall undertake corrective actions within the time periods stated for each of the priority levels set forth below. Scheduling of corrective actions within the time periods below may be based on additional factors, including the following factors, as appropriate ...

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.

SCE's records indicate that from April 2023 to June 2026, SCE completed 487 overhead work orders past SCE's due date for corrective action.

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.

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

Lines shall be inspected frequently and thoroughly for the purpose of insuring that they are in good condition so as to conform with these rules.

SCE's records indicate that from April 2023 to June 2026, SCE completed 232 overhead detailed inspections past SCE's scheduled due date.

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.

SCE's records indicate that from April 2023 to June 2026, SCE completed 9 underground work orders past SCE's due date for corrective actions.

III. Field Inspections

My staff inspected the following facilities during the field inspection portion of the audit:

No.	Structure ID.	Structure	City	Latitude	Longitude
1	4148653E	Steel Pole	Newport Beach	33.61732746	-117.8398668
2	4256388E	Steel Pole	Newport Beach	33.61565205	-117.8404388
3	4256390E	Steel Pole	Newport Beach	33.61565247	-117.840467
4	4326807E	Wood Pole	Newport Beach	33.61525299	-117.8411641
5	4326808E	Wood Pole	Newport Beach	33.61532215	-117.8410307
6	4330410E	Wood Pole	Newport Beach	33.61385941	-117.8430654
7	4330409E	Wood Pole	Newport Beach	33.61442333	-117.843345
8	2140055E	Wood Pole	Newport Beach	33.61188629	-117.841986
9	4330413E	Wood Pole	Newport Beach	33.61221095	-117.842238
10	4330412E	Wood Pole	Newport Beach	33.61271116	-117.8424551
11	4330417E	Wood Pole	Newport Coast	33.6084423	-117.8412677
12	4330418E	Wood Pole	Newport Coast	33.60774257	-117.8410781
13	4330910E	Wood Pole	Newport Coast	33.60703906	-117.8411046
14	1956532E	Steel Pole	Newport Coast	33.60642064	-117.8411639
15	4330420E	Wood Pole	Newport Coast	33.60635475	-117.8418721
16	4330416E	Wood Pole	Newport Coast	33.60898399	-117.8412874
17	4330415E	Wood Pole	Newport Coast	33.60962842	-117.8414288
18	4330414E	Wood Pole	Newport Coast	33.61028783	-117.8415907
19	4253250E	Wood Pole	Newport Coast	33.61084244	-117.8417356
20	4327185E	Wood Pole	Foothill Ranch	33.67207118	-117.6493919
21	4327186E	Wood Pole	Foothill Ranch	33.67147692	-117.6489745
22	4327187E	Wood Pole	Foothill Ranch	33.67096693	-117.6487273
23	4327188E	Wood Pole	Foothill Ranch	33.67036005	-117.6483027
24	4327189E	Wood Pole	Foothill Ranch	33.6696955	-117.6479293
25	4307171E	Steel Pole	Foothill Ranch	33.66909764	-117.6476966
26	4327190E	Wood Pole	Foothill Ranch	33.66912553	-117.6475886
27	4752417E	Steel Pole	Foothill Ranch	33.66928956	-117.6459955
28	4752416E	Steel Pole	Foothill Ranch	33.66941048	-117.6453675
29	4752415E	Steel Pole	Foothill Ranch	33.66995361	-117.6446964
30	4752414E	Steel Pole	Foothill Ranch	33.67036545	-117.6442236
31	4752418E	Steel Pole	Foothill Ranch	33.66923557	-117.6466559
32	1807411E	Wood Pole	Orange	33.81376706	-117.7990591
33	4473102E	Wood Pole	Orange	33.81389116	-117.7991253
34	4553106E	Wood Pole	Orange	33.81438159	-117.7993027
35	4471622E	Wood Pole	Orange	33.8145515	-117.7995826

36	4553105E	Wood Pole	Orange	33.81455415	-117.7998481
37	1816839E	Wood Pole	Orange	33.81453859	-117.8003371
38	1816838E	Wood Pole	Orange	33.81453183	-117.8007801
39	1816837E	Wood Pole	Orange	33.81454152	-117.801445
40	1816836E	Wood Pole	Orange	33.81451717	-117.8021022
41	1816835E	Wood Pole	Orange	33.81449633	-117.8029038
42	1816834E	Wood Pole	Orange	33.81448312	-117.8034076
43	M39-T5	Lattice Tower	Orange	33.82968477	-117.7917923
44	M0-T1	Lattice Tower	Orange	33.83018175	-117.7914668
45	1729726E	Wood Pole	La Habra	33.93467439	-117.9242855
46	1729725E	Wood Pole	La Habra	33.93518777	-117.9242899
47	1729724E	Wood Pole	La Habra	33.93551212	-117.9242907
48	729723E	Wood Pole	La Habra	33.93604907	-117.9242877
49	3729722E	Wood Pole	La Habra	33.93637418	-117.9243016
50	1729721E	Wood Pole	La Habra	33.93673557	-117.9243056
51	1729720E	Wood Pole	La Habra	33.93712317	-117.9243013
52	1729719E	Wood Pole	La Habra	33.93732623	-117.9242952
53	1355767E	Wood Pole	Yorba Linda	33.88586682	-117.8314825
54	348312E	Wood Pole	Yorba Linda	33.88560875	-117.8314912
55	4695070E	Wood Pole	Yorba Linda	33.88510336	-117.8314632
56	348310E	Wood Pole	Yorba Linda	33.88479373	-117.8314821
57	1954024E	Wood Pole	Yorba Linda	33.8842541	-117.831461
58	1954023E	Wood Pole	Yorba Linda	33.8837246	-117.8314488
59	2340626E	Wood Pole	Yorba Linda	33.88307947	-117.8314448
60	1954021E	Wood Pole	Yorba Linda	33.88250114	-117.8314325
61	1954020E	Wood Pole	Yorba Linda	33.88191103	-117.8314273
62	348303E	Wood Pole	Yorba Linda	33.88133371	-117.8314108
63	348302E	Wood Pole	Yorba Linda	33.88087107	-117.8314041
64	4797049E	Steel Pole	Yorba Linda	33.88039334	-117.8315725
65	M42-T2	Lattice Tower	Orange	33.81852208	-117.8284394
66	M2-T4	Lattice Tower	Orange	33.81884713	-117.8285447
67	M8-T1	Aesthetic Tower	Santa Ana	33.71050927	-117.849071
68	VT-4842	Vault	Santa Ana	33.71026293	-117.8490104
69	VT-6000400	Vault	Santa Ana	33.71025159	-117.8490329
70	2540630E	Steel Pole	Santa Ana	33.7102573	-117.849427
71	2340743E	Wood Pole	Santa Ana	33.70997165	-117.8496752
72	2340744E	Wood Pole	Santa Ana	33.70957024	-117.8500154
73	1631462E	Wood Pole	Santa Ana	33.70922914	-117.8502982
74	M7-T17	Aesthetic Tower	Santa Ana	33.70890909	-117.8479246

75	VT-48311	Vault	Newport Beach	33.6587741	-117.8728286
76	VT-48310	Vault	Newport Beach	33.6564535	-117.8751452
77	VT-48309	Vault	Newport Beach	33.65420511	-117.8779234
78	1130038E	Wood Pole	Westminster	33.75950073	-117.9789982
79	M4-T2	Lattice Tower	Huntington Beach	33.68354017	-117.9433272
80	4695249E	Wood Pole	Huntington Beach	33.68334989	-117.943394
81	1199104E	Wood Pole	Huntington Beach	33.68324514	-117.9433812
82	4218314E	Wood Pole	Huntington Beach	33.68338134	-117.9425365
83	4218315E	Wood Pole	Huntington Beach	33.68334275	-117.9425479
84	1199105E	Wood Pole	Huntington Beach	33.68328176	-117.9426691
85	1587303E	Wood Pole	Huntington Beach	33.68288703	-117.9428389
86	4218316E	Wood Pole	Huntington Beach	33.68289485	-117.942834
87	M4-T1	Lattice Tower	Huntington Beach	33.68266516	-117.9431233
88	1199106E	Wood Pole	Huntington Beach	33.68252012	-117.9430061
89	4218317E	Wood Pole	Huntington Beach	33.68249117	-117.9429525
90	4465572E	Wood Pole	Huntington Beach	33.682148	-117.9431209
91	4218318E	Wood Pole	Huntington Beach	33.68210315	-117.9430831
92	1587305E	Wood Pole	Huntington Beach	33.6817865	-117.9433165
93	4218319E	Wood Pole	Huntington Beach	33.68173672	-117.9432382
94	4218320E	Wood Pole	Huntington Beach	33.68134388	-117.9433723
95	4465573E	Wood Pole	Huntington Beach	33.68136845	-117.9434526
96	1587306E	Wood Pole	Huntington Beach	33.6810068	-117.9436239
97	4218321E	Wood Pole	Huntington Beach	33.68096585	-117.9435319
98	4527859E	Wood Pole	Huntington Beach	33.68063893	-117.9437618
99	4527860E	Wood Pole	Huntington Beach	33.68026793	-117.9439047
100	M3-T5	Lattice Tower	Huntington Beach	33.6802829	-117.9440703
101	4527861E	Wood Pole	Huntington Beach	33.67989082	-117.9440361
102	4218324E	Wood Pole	Huntington Beach	33.67986552	-117.9439429
103	1727477E	Wood Pole	Fountain Valley	33.71570625	-117.9702496
104	1727476E	Wood Pole	Fountain Valley	33.71569308	-117.9707368
105	1727475E	Wood Pole	Fountain Valley	33.71569231	-117.9712359
106	1727474E	Wood Pole	Fountain Valley	33.71565431	-117.971637
107	1466736E	Wood Pole	Fountain Valley	33.71565902	-117.972137
108	1466735E	Wood Pole	Fountain Valley	33.71565308	-117.9726664
109	1466734E	Wood Pole	Fountain Valley	33.7156439	-117.9733826
110	295520E	Wood Pole	Fountain Valley	33.71565201	-117.9739892
111	M20-T3	Lattice Tower	Mission Viejo	33.63061216	-117.6340718
112	4553708E	Steel Pole	Mission Viejo	33.63055202	-117.6340094
113	4535037E	Steel Pole	Mission Viejo	33.63056911	-117.633861

114	M20-T4	Lattice Tower	Mission Viejo	33.63315173	-117.6353884
115	4535038E	Steel Pole	Mission Viejo	33.63312846	-117.6352772
116	4535039E	Steel Pole	Mission Viejo	33.63315335	-117.635148
117	4535041E	Steel Pole	Mission Viejo	33.63599163	-117.6365256
118	4535040E	Steel Pole	Mission Viejo	33.63602733	-117.636463
119	M20-T5	Lattice Tower	Mission Viejo	33.63614203	-117.6366683
120	4218335E	Steel Pole	Rancho Santa Margarita	33.63822588	-117.6119596
121	4219934E	Steel Pole	Rancho Santa Margarita	33.63879509	-117.6112613
122	4215933E	Steel Pole	Rancho Santa Margarita	33.6391691	-117.610788
123	4219932E	Steel Pole	Rancho Santa Margarita	33.63972625	-117.6100975
124	4219931E	Steel Pole	Rancho Santa Margarita	33.64042417	-117.6094062
125	4219930E	Steel Pole	Rancho Santa Margarita	33.64076677	-117.6093262
126	4219929E	Steel Pole	Rancho Santa Margarita	33.64135239	-117.6086321
127	4219928E	Steel Pole	Rancho Santa Margarita	33.64161742	-117.6080203

IV. Field Inspection Violations List

My staff observed the following violations during the field inspections 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.

The following SCE facilities required maintenance:

- Pole No. 1587303E – the visibility strips were damaged.
- Pole No. 4471622E – the down guy anchor was buried.

The “DANGER” signs on each of the following transmission poles were damaged:

- Pole No. 4553708E
- Pole No. 4535037E
- Pole No. 4535038E
- Pole No. 4535039E
- Pole No. 4535040E

GO 95, Rule 51.6-A: High Voltage Marking 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. 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 each of the following transmission poles were damaged/missing:

- Pole No. 4326807E
- Pole No. 4326808E
- Pole No. 4330418E
- Pole No. 1956532E
- Pole No. 4330420E
- Pole No. 4330416E
- Pole No. 4330415E
- Pole No. 1729724E
- Pole No. 1729721E
- Pole No. 4218318E
- Pole No. 1587305E
- Pole No. 4218320E
- Pole No. 4218335E
- Pole No. 4219934E
- Pole No. 4215933E
- Pole No. 4219932E
- Pole No. 4219931E
- Pole No. 4219930E
- Pole No. 4219929E
- Pole No. 4219928E