

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



August 18, 2020

EA2020-858

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 Valencia District

Mr. Stark:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), James Miller and Mily Vaidya of my staff conducted an electric distribution audit of Southern California Edison's (SCE) Valencia District from July 27, 2020 to July 31, 2020. 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 September 18, 2020, 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 James Miller at (213) 266-4715 or [James.Miller@cpuc.ca.gov](mailto:James.Miller@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: Audit Findings

Cc: Lee Palmer, Director, Safety and Enforcement Division, CPUC  
Nika Kjensli, Program Manager, ESRB, SED, CPUC  
James Miller, Utilities Engineer, ESRB, SED, CPUC

## AUDIT FINDINGS

### I. Records Review

My staff reviewed the following records during the audit:

- Patrol & Detailed Inspection records.
- Late Inspections
- Work Orders Created from Inspections
- Repair Work Orders
- Intrusive Testing Records
- Third Party Notifications
- Vegetation Management Records
- Pole Loading Calculation Records

### II. Records Review – Violations List

My staff discovered the following General Order violations during the records review portion of the audit:

**GO 95, Rule 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.*

**GO 165, Section III-B, Standards of Inspection**, requires utilities to conduct detailed inspections of its distribution facilities, as necessary, to ensure reliable, high-quality, and safe operation.

From June 2010 through June 2020, SCE failed to perform 3128 detailed inspections and 205 patrol inspections by SCE's inspection due date.

### III. Field Inspections

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

	<b>Structure No.</b>	<b>Structure Type</b>	<b>Location</b>
1	5138683	BURD Gas Switch	Tournament Road
2	B5138684	BURD Gas Switch	Tournament Road
3	P5138687	Padmounted Transformer	Tournament Road
4	5138688	Padmounted Transformer	Tournament Road
5	5417475	Junction Box Gas Switch	Mammoth Lane
6	5374198	Padmounted Transformer	Mammoth Lane
7	5474094	Padmounted Transformer	Mammoth Lane
8	P5474028	Padmounted Transformer	Mammoth Lane
9	PME5481343	Padmounted Switch	Mammoth Lane
10	5310367	BURD Transformer	Begonias Lane Park
11	5138274	BURD Transformer	Quezada Way
12	5138275	BURD Transformer	Abelia Road
13	P5138276	Padmounted Transformer	Abelia Road
14	P5727416	Padmounted Transformer	Sloan Canyon Road
15	P5727417	Padmounted Transformer	Sloan Canyon Road
16	P5727415	Padmounted Gas Switch	Sloan Canyon Road
17	5727414	Vault	Sloan Canyon Road
18	5727412	Padmounted Gas Switch	Sloan Canyon Road
19	5367411	Padmounted Transformer	Applewood Lane
20	5365967	Padmounted Transformer	Applewood Lane
21	5513090	Padmounted Transformer	Quail Valley Road
22	5374445	Padmounted Transformer	Olympia Street
23	P5374450	Padmounted Transformer	Villa Canyon Road
24	5374449	Padmounted Transformer	Villa Canyon Road
25	P5374447	Padmounted Transformer	Rainier Road
26	P5403735	Padmounted Transformer	Rainier Road
27	4875117E	Utility Pole	Angeles Forest
28	X2819E	Utility Pole	Angeles Forest
29	4729907E	Utility Pole	Angeles Forest
30	4331892E	Utility Pole	Angeles Forest
31	4790661E	Utility Pole	Angeles Forest
32	588881H	Utility Pole	Angeles Forest
33	4556598E	Utility Pole	Angeles Forest
34	4729918E	Utility Pole	Bouquet Canyon
35	4729675E	Utility Pole	Bouquet Canyon
36	1866079E	Utility Pole	Bouquet Canyon
37	800607H	Utility Pole	Bouquet Canyon

38	1866078E	Utility Pole	Bouquet Canyon
39	1886077E	Utility Pole	Bouquet Canyon
40	1866076E	Utility Pole	Bouquet Canyon
41	2294414E	Utility Pole	Bouquet Canyon
42	1866075E	Utility Pole	Bouquet Canyon
43	2323352E	Utility Pole	Bouquet Canyon
44	294872E	Utility Pole	Piru
45	294870E	Utility Pole	Piru
46	294868E	Utility Pole	Piru
47	4547411E	Utility Pole	Piru
48	1702969E	Utility Pole	Piru
49	1702968E	Utility Pole	Piru
50	1030383H	Utility Pole	Piru
51	4777266E	Utility Pole	Piru
52	1702966E	Utility Pole	Piru
53	2180761E	Utility Pole	Piru
54	1702065E	Utility Pole	Piru
55	4041127E	Utility Pole	Piru
56	1281461E	Utility Pole	Piru
57	124912E	Utility Pole	Piru
58	983129E	Utility Pole	Piru
59	124913E	Utility Pole	Piru
60	124914E	Utility Pole	Piru
61	124915E	Utility Pole	Piru
62	124916E	Utility Pole	Piru
63	846787E	Utility Pole	Piru
64	4215664E	Utility Pole	Piru
65	4215665E	Utility Pole	Piru
66	4215666E	Utility Pole	Piru
67	4215667E	Utility Pole	Piru
68	215668E	Utility Pole	Piru
69	4789689E	Utility Pole	Old Road
70	1935238E	Utility Pole	Old Road
71	4789688E	Utility Pole	Old Road
72	2124138E	Utility Pole	Old Road
73	1039219E	Utility Pole	Old Road
74	1248717E	Utility Pole	Old Road
75	553467H	Utility Pole	Old Road
76	589172E	Utility Pole	Old Road
77	2101051E	Utility Pole	Santa Clarita Woodlands Park
78	2101052E	Utility Pole	Santa Clarita Woodlands Park

79	2101053E	Utility Pole	Santa Clarita Woodlands Park
80	2265400E	Utility Pole	Santa Clarita Woodlands Park
81	2265367E	Utility Pole	Santa Clarita Woodlands Park
82	2265368E	Utility Pole	Santa Clarita Woodlands Park
83	2101056E	Utility Pole	Santa Clarita Woodlands Park
84	4537902E	Utility Pole	Santa Clarita Woodlands Park
85	2101058E	Utility Pole	Santa Clarita Woodlands Park
86	2101059E	Utility Pole	Santa Clarita Woodlands Park
87	2101060E	Utility Pole	Santa Clarita Woodlands Park
88	2101061E	Utility Pole	Santa Clarita Woodlands Park
89	4197648E	Utility Pole	Santa Clarita Woodlands Park
90	4155298E	Utility Pole	Newhall
91	4704270E	Utility Pole	Newhall
92	2229422E	Utility Pole	Newhall
93	2229423E	Utility Pole	Newhall
94	2229424E	Utility Pole	Newhall
95	2229428E	Utility Pole	Newhall
96	1001588H	Utility Pole	Newhall
97	1436088E	Utility Pole	Newhall
98	2229420E	Utility Pole	Newhall
99	2229419E	Utility Pole	Newhall
100	2266088E	Utility Pole	Newhall
101	2180851E	Utility Pole	Newhall
102	1436220E	Utility Pole	Newhall
103	1090798E	Utility Pole	Sand Canyon
104	4458099E	Utility Pole	Sand Canyon
105	4777296E	Utility Pole	Sand Canyon
106	4864663E	Utility Pole	Sand Canyon
107	4574362E	Utility Pole	Sand Canyon
108	4104943E	Utility Pole	Sand Canyon
109	4574364E	Utility Pole	Sand Canyon
110	4669613E	Utility Pole	Sand Canyon
111	4815614E	Utility Pole	Sand Canyon
112	1337827E	Utility Pole	Sand Canyon
113	4260505E	Utility Pole	Sand Canyon
114	1338726E	Utility Pole	Sand Canyon
115	827671H	Utility Pole	Sand Canyon
116	822505H	Utility Pole	Sand Canyon
117	4451024E	Utility Pole	Sand Canyon
118	4331924E	Utility Pole	Sand Canyon
119	2140020E	Utility Pole	Dulce Canyon

120	4864687E	Utility Pole	Dulce Canyon
121	724354E	Utility Pole	Dulce Canyon
122	2161899E	Utility Pole	Dulce Canyon
123	2161898E	Utility Pole	Dulce Canyon
124	1226605E	Utility Pole	Newhall
125	1226604E	Utility Pole	Newhall
126	1226603E	Utility Pole	Newhall
127	1226602E	Utility Pole	Newhall
128	1226601E	Utility Pole	Newhall
129	1226067E	Utility Pole	Newhall
130	1226550E	Utility Pole	Newhall
131	1749468E	Utility Pole	Newhall
132	1226549E	Utility Pole	Newhall
133	829244H	Utility Pole	Newhall
134	1226548E	Utility Pole	Newhall
135	1226606E	Utility Pole	Newhall
136	1226547E	Utility Pole	Newhall
137	1226546E	Utility Pole	Newhall
138	1226545E	Utility Pole	Newhall
139	1829270E	Utility Pole	Newhall
140	1635875E	Utility Pole	Newhall
141	1635876E	Utility Pole	Newhall
142	1635877E	Utility Pole	Newhall
143	4789761E	Utility Pole	Newhall
144	1775011E	Utility Pole	Soledad Canyon
145	4104422E	Utility Pole	Soledad Canyon
146	4104421E	Utility Pole	Soledad Canyon
147	1155224E	Utility Pole	Soledad Canyon
148	4451025E	Utility Pole	Soledad Canyon

#### IV. Field Inspection Violations List

**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 signs on each of the following nineteen utility poles were either missing or damaged:

- 588881H
- 1866076E
- 1866075E
- 1702065E
- 4215664E
- 4215665E
- 4215666E
- 4789688E
- 2101052E
- 2265367E
- 2265368E
- 2101056E
- 4197648E
- 2229422E
- 1436088E
- 2266088E
- 822505H
- 2161899E
- 4451024E

**GO 95, Rule 56.2 Overhead Guys, Anchor Guys and Span Wires, Use**, states in part:

*Guys shall be attached to structures, as nearly as practicable, at the center of load. They shall be maintained taut and of such strength as to meet the safety factors of Rule 44 .*

Guys attached to the following eight utility poles were not taut:

- X2819E
- 1866079E
- 1866076E
- 4864687E
- 1226601E
- 1226545E
- 1635875E
- 1635876E

**GO 95, Rule 91.3 Stepping, B. Location of Steps**, states in part:

*The lowest step shall be not less than 8 feet from the ground line, or any easily climbable foreign structure from which one could reach or step. Above this point steps shall be placed, with spacing between steps on the same side of the pole not exceeding 36 inches, at least to that conductor level above which only circuits operated and maintained by one party remain. Steps or fixtures for temporary steps shall be installed as part of a pole restoration process. Steps shall be so placed that runs or risers do not interfere with the free use of the steps.*

The lowest pole step on the following utility poles was located at a height of less than eight feet:

- 589172E
- 4574364E

**General Order 95, Rule 38 - Minimum Clearances of Wires from Other Wires, Table 2, Column C, Case 19** requires the minimum radial clearance between guys and span wires passing communication conductors supported on the same poles to be three inches.

A down guy wire on Pole No. 827671H had less than one inch of clearance from a communication conductor supported on the same pole.

A down guy wire on Pole No. 1635876E was in contact with a communication conductor supported on the same pole.