

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
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June 20, 2024

TA2024-1120

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

Subject: Transmission Audit of Southern California Edison's San Jacinto Grid

Mr. Stark:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), Mily Vaidya and Jose Lastra of my staff conducted an electric transmission audit of Southern California Edison's (SCE) San Jacinto Grid from Feb. 26 – Mar. 1, 2024. 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 July 22, 2024, 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 your response to our audit on the CPUC website. If there is any information in your response that you would like us to consider as confidential, we request that in addition to your confidential response, you also provide us with a public or redacted version of your response that can be posted publicly on our website.

If you have any questions concerning this audit, you can contact Mily Vaidya at (213) 999-8528 or Mily.Vaidya@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, CPUC
Mily Vaidya, Utilities Engineer, ESRB, CPUC
Jose Lastra, Utilities Engineer, ESRB, 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-A: Resolution of Safety Hazards and General Order 95 Nonconformances, states in part:

Each company (including electric utilities and communications companies) is responsible for taking appropriate corrective action to remedy potential violations of GO 95 and Safety Hazards posed by its facilities.

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 indicated that from January 2022 to March 2023, SCE had 35 "pending" work orders that were past SCE's scheduled due date for corrective action. Additionally, from January 2022 to March 2023, SCE completed 26 work orders past SCE's scheduled due date for corrective action.

III. Field Inspections

My staff inspected the following facilities during the field inspection:

| No. | Structure ID | Structure | Location |
|-----|--------------|-------------|----------|
| 1 | 2335152E | Wood Pole | Romoland |
| 2 | 2335153E | Wood Pole | Romoland |
| 3 | 2335154E | Wood Pole | Romoland |
| 4 | 40/02 T1 | Steel Tower | Romoland |
| 5 | 40/02 T1 | Steel Tower | Romoland |
| 6 | 2335155E | Wood Pole | Romoland |
| 7 | 2335156E | Wood Pole | Romoland |
| 8 | 2335157E | Wood Pole | Romoland |
| 9 | 233158E | Wood Pole | Romoland |
| 10 | 40/03 T1 | Steel Tower | Romoland |
| 11 | 40/03 T2 | Steel Tower | Romoland |
| 12 | 4233671E | Wood Pole | Romoland |
| 13 | 4157396E | Wood Pole | Romoland |
| 14 | 1820521E | Wood Pole | Romoland |
| 15 | 4233670E | Wood Pole | Romoland |
| 16 | 1820520E | Wood Pole | Romoland |
| 17 | 4233669E | Wood Pole | Romoland |
| 18 | 40/04 T1 | Steel Tower | Romoland |
| 19 | 40/04 T2 | Steel Tower | Romoland |
| 20 | 4233668E | Wood Pole | Romoland |
| 21 | 4410199E | Wood Pole | Romoland |
| 22 | 4531857E | Wood Pole | Romoland |
| 23 | 4233667E | Wood Pole | Romoland |
| 24 | 1820517E | Wood Pole | Romoland |
| 25 | 4233666E | Wood Pole | Romoland |
| 26 | 4233665E | Wood Pole | Romoland |
| 27 | 1820516E | Wood Pole | Romoland |
| 28 | 4558750E | Steel Pole | Menifee |
| 29 | 4558749E | Steel Pole | Menifee |
| 30 | 4558748E | Steel Pole | Menifee |
| 31 | 4558747E | Steel Pole | Menifee |
| 32 | 4558746E | Steel Pole | Menifee |
| 33 | 4558745E | Steel Pole | Menifee |
| 34 | 4558744E | Steel Pole | Menifee |
| 35 | 4558743E | Steel Pole | Menifee |
| 36 | 4558742E | Steel Pole | Menifee |
| 37 | 4558741E | Steel Pole | Menifee |
| 38 | 4171131E | Steel Pole | Temecula |
| 39 | 4269877E | Wood Pole | Temecula |
| 40 | 4269878E | Wood Pole | Temecula |
| 41 | 4269879E | Wood Pole | Temecula |
| 42 | 4269880E | Wood Pole | Temecula |
| 43 | 4269881E | Wood Pole | Temecula |
| 44 | 4269882E | Wood Pole | Temecula |

| | | | |
|----|-----------|-------------|-----------------|
| 45 | 4269883E | Wood Pole | Temecula |
| 46 | 4269885E | Wood Pole | Temecula |
| 47 | 4269884E | Wood Pole | Temecula |
| 48 | 4402114E | Wood Pole | Temecula |
| 49 | 4402115E | Wood Pole | Temecula |
| 50 | 4402116E | Wood Pole | Temecula |
| 51 | 4402117E | Wood Pole | Temecula |
| 52 | 4402118E | Wood Pole | Temecula |
| 53 | 4402119E | Wood Pole | Temecula |
| 54 | 4402120E | Wood Pole | Temecula |
| 55 | 4402121E | Wood Pole | Temecula |
| 56 | 4402122E | Wood Pole | Temecula |
| 57 | 4402123E | Wood Pole | Temecula |
| 58 | 4402124E | Wood Pole | Temecula |
| 59 | 4425470E | Wood Pole | Murrieta |
| 60 | 4063313E | Wood Pole | Murrieta |
| 61 | 4063312E | Wood Pole | Murrieta |
| 62 | 4063311E | Wood Pole | Murrieta |
| 63 | 4063310E | Wood Pole | Murrieta |
| 64 | 4063309E | Wood Pole | Murrieta |
| 65 | 4063308E | Wood Pole | Murrieta |
| 66 | 4063307E | Wood Pole | Murrieta |
| 67 | 4063306E | Wood Pole | Murrieta |
| 68 | 4063305E | Wood Pole | Murrieta |
| 69 | 4063304E | Wood Pole | Murrieta |
| 70 | 4063303E | Wood Pole | Murrieta |
| 71 | 37/04 | Steel Tower | Nuevo |
| 72 | 38/02 | Steel Tower | Nuevo |
| 73 | 38/04 | Steel Tower | Nuevo |
| 74 | 4528621E | Wood Pole | Homeland |
| 75 | 4768500E | Steel Pole | Menifee |
| 76 | 1975899E | Wood Pole | Moreno Valley |
| 77 | 1975900E | Wood Pole | Moreno Valley |
| 78 | VT6001555 | Vault | Winchester |
| 79 | VT6001551 | Vault | Romoland |
| 80 | VT6001550 | Vault | Romoland |
| 81 | VT6001603 | Vault | Menifee |
| 82 | VT6001595 | Vault | Lake Elsinore |
| 83 | VT6001592 | Vault | Lake Elsinore |
| 84 | VT6001585 | Vault | Temescal Valley |
| 85 | VT6001584 | Vault | Temescal Valley |

IV. Field Inspection Violations List

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

GO 95, Rule 51.6, Marking and Guarding, 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 poles were either missing or damaged:

- 4063311E
- 4063306E
- 4063305E

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 attached to following poles was missing or damaged:

- 4157396E
- 1820516E
- 4063313E