

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



February 25, 2025

SA2025-1200

Melvin Stark
Principal Manager, T&D Compliance Integration
Southern California Edison
1 Innovation Way
Pomona, CA 91768

SUBJECT: Substation Audit of Southern California Edison Mesa AOR

Mr. Stark:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), Calvin Choi of my staff conducted a substation audit of Southern California Edison (SCE) Mesa AOR from February 3, 2025 to February 7, 2025. The audit included a review of SCE's records and field inspections of SCE's substation 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 March 25, 2025, by electronic or hard copy, of all corrective measures taken by SCE to remedy 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 Calvin Choi at (213) 266-4730 or Calvin.Choi@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
Calvin Choi, Utilities Engineer, ESRB, SED, CPUC

AUDIT FINDINGS

I. Records Review

During the audit, my staff reviewed the following records:

- SCE GO 174 Substation Inspection Practices
- SCE Operators Manual, Section 6.9: Substation Inspections
- SCE's Substation Procedures
- Summary of SCE Mesa AOR Substation Operators Training Records
- Summary of Substation Inspections
- Inspection Checklists and One-Line Diagrams
- Pending and Completed Workorders
- Summary of results of Infrared Testing
- Summary of results from Substation Dissolved Gas Analysis

II. Records Review – Violations List

My staff observed the following violations during the records review portion of the audit:

GO 174, Rule 12, General, states in part:

Design, construction, and maintenance should be performed in accordance with accepted good practices for the given local conditions known at the time by those responsible.

Between November 2023 and November 2024, SCE failed to complete 1 work order by SCE's assigned due date.

III. Field Inspections

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

No.	Substation Name
1	Mesa
2	Newmark
3	Newmark
4	Amalia
5	Belvedere
6	Wabash
7	Repetto
8	Amador
9	Alhambra
10	Granada
11	Ramona
12	Rosemead
13	Ivar
14	Temple
15	Anita
16	Michillinda
17	San Marino
18	Mayflower
19	Monrovia
20	San Gabriel
21	Hoyt
22	Rio Hondo
23	Finance
24	Hopeful
25	Duarte
26	Citrus
27	Azusa
28	Aerojet
29	Lark Ellen

IV. Field Inspection - Violations List

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

GO 174, Rule 12, General, states in part:

Substations shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to promote the safety of workers and the public and enable adequacy of service.

Design, construction and maintenance should be performed in accordance with accepted good practices for the given local conditions known at the time by those responsible.

Facilities at the following substations were not maintained for their intended use:

Newmark

- One cooling fan on the No. 1 Bank North Unit transformer did not start.
- The barrier chain protecting the No. 2 Capacitor 16kV Fuse Disconnect was broken.

Repetto

- One cooling fan on the No. 2 Bank transformer did not start.

Rosemead

- One cooling fan on the No. 3 Bank East Unit transformer did not start.

Anita

- One cooling fan on the No. 2 Bank East Unit transformer did not start.

Rio Hondo

- The safety pressure release valve on the 12kV Station Light and Power transformer still had the orange manufacturer block on the pressure relief valve. The orange manufacturer block should be removed.

Lark Ellen

- 2 cooling fans on the No. 2 Bank North Unit transformer did not start.