

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



December 9, 2024

SA2024-1210

Jennifer Kaminsky
Manager – Electric Assets & Compliance
San Diego Gas and Electric (SDG&E)
8315 Century Park Court, Suite CP22B
San Diego, CA 92123

SUBJECT: Substation Audit of SDG&E Northeast District

Ms. Kaminsky:

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 San Diego Gas & Electric (SDG&E) Northeast District from October 28, 2024 to November 1, 2024. The audit included a review of SDG&E's records and field inspections of SDG&E'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 January 9, 2025, by electronic or hard copy, of all corrective measures taken by SDG&E 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:

- SDG&E Substation Inspection Procedures
- SDG&E Substation Procedures
- Summary of SDG&E Northeast Substation Operators Training Records
- Summary of SDG&E Northeast Substation Inspections
- Pending and Completed Work Orders
- Summary of results of Infrared Testing
- Summary of results from Substation Oil Sample Tests

II. Field Inspections

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

No.	Substation Name
1	Pomerado
2	Warren Canyon
3	Poway
4	Rancho Carmel
5	Chicarita
6	Artesian Ranch
7	Bernardo
8	Felicita
9	Esco
10	Escondido
11	Palomar Energy
12	Goal line metering
13	Ash
14	San Marcos
15	Ramona
16	Creelman
17	Santa Ysabel
18	Rincon
19	Pala
20	Monserate
21	Avocado

III. 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:

Pomerado

- The Bank 31 transformer was leaking oil from the valve on the radiator flange.

Warren Canyon

- The Bank 20 transformer was leaking oil from the radiator flange. Additionally, one cooling fan was not starting.

Artesian Ranch

- One cooling fan on the Bank 32 transformer was not working.

Ash

- One cooling fan on the Bank 31 transformer was not working.

San Marcos

- The Bank 31 circuit breaker was leaking hydraulic fluid.

Ramona

- The 4kV RA3 regulator had a broken sight glass and was leaking oil.

Creelman

- One cooling fan on the Bank 30 transformer was not working.