

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



May 6, 2024

SA2024-1128

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 North Coast

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) North Coast from March 25, 2024 to March 29, 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 June 6, 2024, 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
Nika Kjensli, Program Manager, ESRB, SED, 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 North Coast Substation Operators Training Records
- Summary of North Coast Substation Inspections
- Pending and Completed Workorders
- 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	Address
1	North City West	13230 Lansdale Dr. N/O Del Mar Heights Rd
2	Del Mar	Via De La Valle 250' W/of 1-5 ramp
3	Rancho Santa Fe	NE Cnr of Via De La Valle @ Via De Santa Fe
4	Batiquitos	On Alga Rd 200' E/O Paseo Candelero
5	Cannon	E side of Avenida Encinas, 1/4 mi N/O Cannon Rd
6	Palomar Airport	1925 Camino Vida Roble n/o Palomar Airport Rd
7	Oceanside	S/W CNR N Tremont St & Civic Center Dr.
8	East Oceanside	Corner of Crouch St & Canyon Dr.
9	San Luis Rey	801 El Camino Real - N/Of Mesa Dr.
10	Encinitas	191 Saxony Rd. (N/of Encinitas Blvd.)
11	Shadowridge	1300 Park Center Dr
12	Vista	230 N Santa Fe Ave
13	North Vista	Arcadia Ave. 500' W/of E Vista Way
14	Morro Hill	W side of N River Rd 500' N/O College Blvd
15	Ocean Ranch	1352 Rocky Point Dr
16	Melrose	East side of N Melrose Dr 200' N/O Olive Ave

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:

North City West

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

Del Mar

- The insulation tape on Bank 32 transformer C phase conductor termination was damaged.

Rancho Santa Fe

- The Bank 32 transformer was leaking oil from the radiator flange.

Batiquitos

- The Bank 43 transformer was leaking oil from the radiator flange.

Cannon

- Two cooling fans on the Bank 40 transformer were not working.
- Two cooling fans on the Bank 41 transformer were not working.
- Two cooling fans on the Bank 42 transformer were not working.

Palomar Airport

- Three cooling fans on the Bank 41 transformer were not working.
- There is a bird nest in the A phase bushing on the 138kV Bus Tie SF6 circuit breaker.

East Oceanside

- There is a tripping hazard from a high ledge due to eroding concrete.
- The indicator glass on the EOS1 4kV oil circuit breaker cannot be seen through.
- Two cooling fans on the Bank 10 transformer were not working.

San Luis Rey

- The indicator glass on the Bank 35 12kV oil circuit breaker cannot be seen through.
- There is a bird nest on the supports of the 69kV Bank 35 SF6 circuit breaker.

Vista

- Two cooling fans on the Bank 10 transformer were not working.