

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



December 5, 2025

SA2025-1378

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 District

Ms. Kaminsky:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), SM Arafat Kamal of my staff conducted a substation audit of San Diego Gas & Electric (SDG&E) North Coast district on November 3 - 7, 2025. 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 5, 2026, 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 SM Arafat Kamal at (213) 902-0325 or [SMArafat.Kamal@cpuc.ca.gov](mailto:SMArafat.Kamal@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, Deputy Executive Director for Safety Enforcement, Safety Policy and Water, CPUC  
Eric Wu, Program Manager, Electric Safety and Reliability Branch, CPUC  
Majed Ibrahim, Senior Utilities Engineer, Electric Safety and Reliability Branch, CPUC  
SM Arafat Kamal, Utilities Engineer, Electric Safety and Reliability Branch, 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. 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 January 2024 and November 2025, SDG&E failed to complete 9 work orders by SDG&E's assigned due date.

### III. 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   | Encinitas       | 191 Saxony Rd. (N/of Encinitas Blvd.)           |
| 5   | Palomar Airport | 1925 Camino Vida Roble n/o Palomar Airport Rd   |
| 6   | Cannon          | E side of Avenida Encinas, 1/4 mi N/O Cannon Rd |
| 7   | Encina          | 4600 Carlsbad Blvd                              |
| 8   | Oceanside       | S/W CNR N Tremont St & Civic Center Dr.         |
| 9   | East Oceanside  | Corner of Crouch St & Canyon Dr.                |
| 10  | Shadowridge     | 1300 Park Center Dr                             |
| 11  | Ocean Ranch     | 1352 Rocky Point Dr                             |
| 12  | Vista           | 230 N Santa Fe Ave                              |
| 13  | Melrose         | East side of N Melrose Dr 200' N/O Olive Ave    |
| 14  | North Vista     | Arcadia Ave. 500' W/of E Vista Way              |
| 15  | Morro Hill      | W side of N River Rd 500' N/O College Blvd      |

#### **IV. Field Inspection - Violations List**

My staff observed the following violations during the field inspection 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:

##### **Del Mar**

- The BANK 31 transformer was leaking oil from radiator flange.
- The BANK 33 transformer was leaking oil from CT (Current Transformer) box.
- The “DANGER” signage on the 69 kV BANK 32 gas circuit breaker was damaged.
- All the “HIGH VOLTAGE” signs on the 12 kV CAP BK C were damaged.

##### **Rancho Santa Fe**

- The BANK 32 transformer was leaking oil from radiator.
- The “DANGER” signage on the 69 kV BUS TIE gas circuit breaker was damaged.
- The “DANGER” signage on the 69 kV TL 616 gas circuit breaker was damaged.
- All the “AVOID INJURY WATCH YOUR STEP” signs on the switch gear were damaged.

##### **Encinitas**

- The BANK 30 transformer was leaking oil from radiator.
- The BANK 31 transformer was leaking oil from radiator and LTC barrel overflowed.

##### **Palomar Airport**

- All the “HIGH VOLTAGE” signs on the 12 kV CAP BK A were damaged.
- All the “HIGH VOLTAGE” signs on the switch gear were damaged.
- The “HIGH VOLTAGE” signage on the 138kV Main Bus was damaged.
- The “DANGER” signage on the 138 kV BANK 41 gas circuit breaker was damaged.
- The “DANGER” signage on the 138 kV BANK 40 gas circuit breaker was damaged.
- The “DANGER” signage on the 138 kV CAP BK 1 gas circuit breaker was damaged.

##### **Cannon**

- One of the cooling fans on the BANK 41 transformer was not performing.
- All the “HIGH VOLTAGE” signs on the CAP BANK A were damaged.

- All the “HIGH VOLTAGE” signs on the CAP BANK B were damaged.
- All the “HIGH VOLTAGE” signs on the CAP BANK C were damaged.
- All the “HIGH VOLTAGE” signs on the CAP BANK D were damaged.
- The “HIGH VOLTAGE” signage on the 12 kV BANK 42/43 BUS TIE was damaged.
- The “HIGH VOLTAGE” signage on the 12 kV BANK 42 EAST TRFR vacuum circuit breaker was damaged.
- The “DANGER” signage on the 138 kV TL 13801 gas circuit breaker was damaged.
- The BANK 42 transformer was leaking oil from the valve at the bottom of the main tank.

### **Encina**

- The BANK 61 transformer grounding cable was not secured to the pad, creating a tripping hazard.
- The “DANGER” signage on the 230 kV 1E gas circuit breaker was damaged.
- The “DANGER” signage on the 230 kV 1T gas circuit breaker was damaged.
- The “DANGER” signage on the 230 kV 1W gas circuit breaker was damaged.
- The “DANGER” signage on the 138 kV TL13801 2W gas circuit breaker was damaged.

### **Oceanside**

- The “DANGER” signage on the 69 kV BUS TIE was damaged.

### **East Oceanside**

- One of the cooling fans on the BANK 10 transformer was not performing.

### **Shadowridge**

- The BANK 41 transformer was leaking oil from radiator and bushing flange.
- The “DANGER” signage on the 138 kV TL 13825 gas circuit breaker was damaged.
- The “DANGER” signage on the 138 kV TL 13811 oil circuit breaker was damaged.
- The “DANGER” signage on the 138 kV BUS TIE gas circuit breaker was damaged.
- The “DANGER” signage on the 138 kV CAP BANK 1 gas circuit breaker was damaged.

### **Vista**

- The chemical hazard warning signage on the battery charger cabinet was damaged.
- One of the cooling fans on the BANK 11 transformer was not performing.
- The VS4 Regulator was leaking oil from CT cabinet.

### **Melrose**

- The “DANGER,” “WARNING,” and “CAUTION” signs on the 12 kV CIR 506 vacuum circuit breaker were damaged.
- The “DANGER,” “WARNING,” and “CAUTION” signs on the 12 kV CIR 505 vacuum circuit breaker were damaged.
- The “DANGER,” “WARNING,” and “CAUTION” signs on the 12 kV CIR 507 vacuum circuit breaker were damaged.

- The “DANGER,” “WARNING,” and “CAUTION” signs on the 12 kV CIR 508 vacuum circuit breaker were damaged.
- The “DANGER,” “WARNING,” and “CAUTION” signs on the 12 kV BANK 31 vacuum circuit breaker were damaged.
- The “DANGER,” “WARNING,” and “CAUTION” signs on the 12 kV BANK 32 vacuum circuit breaker were damaged.
- The “DANGER,” “WARNING,” and “CAUTION” signs on the 12 kV BANK 30 vacuum circuit breaker were damaged.

### **Morro Hill**

- One of the cooling fans on the BANK 30 transformer was not performing.