

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



March 3, 2023

TA2022-991

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

Subject: Audit of SDG&E Mountain, Inland, Coastal Transmission Area

Ms. Kaminsky:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), Mily Vaidya and Monica Robledo of my staff conducted a transmission audit of San Diego Gas & Electric's (SDG&E) San Diego District from December 12, 2022 to December 16, 2022. The audit included a review of SDG&E's records and field inspections of SDG&E's transmission 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 April 3, 2023, by electronic or hard copy, of all corrective measures taken by SDG&E to remedy and prevent such violations.

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, SED, CPUC
Derek Fong, Senior Utilities Engineer, ESRB, SED, CPUC
Mily Vaidya, Utilities Engineer, ESRB, SED, CPUC

AUDIT FINDINGS

I. Records Review

During the audit, my staff reviewed the following records:

- Patrol and inspection records.
- Completed and pending corrective action work orders.
- Pole loading calculations.
- Safety hazard notifications.
- SDG&E's documented inspection program.

II. Field Inspections

My staff inspected the following facilities during the field inspection:

No.	Structure ID	Structure Type	Location
1	Z293645 (Steel)	Tower	San Diego
2	Z293647(Steel)	Tower	San Diego
3	Z293646(Steel)	Tower	San Diego
4	Z40504(Steel)	Tower	San Diego
5	Z40506(Steel)	Tower	San Diego
6	Z40515(Steel)	Tower	San Diego
7	Z40516(Steel)	Tower	San Diego
8	Z40517(Steel)	Tower	San Diego
9	Z40518(Steel)	Tower	San Diego
10	Z40519(Steel)	Tower	San Diego
11	Z40520(Steel)	Tower	San Diego
12	Z40521(Steel)	Tower	San Diego
13	Z40522(Steel)	Tower	San Diego
14	Z40523(Steel)	Tower	San Diego
15	Z40524(Steel)	Tower	San Diego
16	Z40525(Steel)	Tower	San Diego
17	Z40526(Steel)	Tower	San Diego
18	Z40527(Steel)	Tower	San Diego
19	Z40528(Steel)	Tower	San Diego
20	Z40529(Steel)	Tower	San Diego
21	Z731268(Steel)	Tower	San Diego
22	Z731267(Steel)	Tower	San Diego
23	Z731270(Wood)	Pole	San Diego
24	Z731265(Wood)	Pole	San Diego
25	Z731269(Wood)	Pole	San Diego
26	Z731274(Wood)	Pole	San Diego
27	Z731271(Steel)	Pole	San Diego
28	Z731272(Steel)	Pole	San Diego
29	Z731273(Steel)	Pole	San Diego
30	Z731281(Steel)	Pole	San Diego
31	Z731276(Wood)	Pole	San Diego
32	Z731277(Steel)	Pole	San Diego
33	Z731278(Wood)	Pole	San Diego
34	Z731275(Steel)	Pole	San Diego
35	Z730896(Steel)	Pole	San Diego
36	Z730892(Steel)	Pole	San Diego
37	Z730891(Steel)	Pole	San Diego
38	Z730882(Wood)	Pole	San Diego
39	Z731698(Steel)	Pole	San Diego

40	Z730881(Wood)	Pole	San Diego
41	Z204013S(Wood)	Pole	San Diego
42	118758	Manhole	San Diego
43	Z100705(Wood)	Pole	San Diego
44	Z31766(Wood)	Pole	San Diego
45	Z100704(Wood)	Pole	San Diego
46	Z118746(Wood)	Pole	San Diego
47	Z31765(Wood)	Pole	San Diego
48	Z100703(Wood)	Pole	San Diego
49	P190012S(Wood)	Pole	San Diego
50	Z100702(Wood)	Pole	San Diego
51	Z100701(Wood)	Pole	San Diego
52	Z100700(Steel)	Tower	San Diego
53	Z100699(Steel)	Tower	San Diego
54	Z100698(Steel)	Tower	San Diego
55	Z100697(Wood)	Pole	San Diego
56	Z100696(Wood)	Pole	San Diego
57	Z90614(Wood)	Pole	San Diego
58	Z96241(Wood)	Pole	San Diego
59	Z679424(Steel)	Tower	San Diego
60	Z679424(Steel)	Tower	San Diego
61	Z91246(Wood)	Pole	San Diego
62	Z100477(Steel)	Tower	San Diego
63	U109127	Manhole	Bay Blvd South of L Street
64	U109126	Manhole	Bay Blvd South of L Street
65	Z253123(Steel)	Pole	Bay Blvd South of L Street
66	Z253122(Steel)	Pole	Bay Blvd South of L Street
67	U123270	Manhole	Bay Blvd South of L Street
68	Z187478(Wood)	Pole	Bay Blvd South of L Street
69	Z34134(Wood)	Pole	Bay Blvd South of L Street
70	U109167	Manhole	Bay Blvd South of L Street
71	U118688	Manhole	Bay Blvd South of L Street
72	Z34133(Wood)	Pole	Bay Blvd South of L Street
73	Z187477(Wood)	Pole	Bay Blvd South of L Street
74	U109131	Manhole	Bay Blvd South of L Street
75	Z34132(Wood)	Pole	Bay Blvd South of L Street
76	Z187476(Wood)	Pole	Bay Blvd South of L Street
77	Z34131(Wood)	Pole	Bay Blvd South of L Street
78	Z187475(Wood)	Pole	Bay Blvd South of L Street
79	Z34130(Wood)	Pole	Bay Blvd South of L Street
80	U118699	Manhole	Bay Blvd South of L Street
81	Z100301(Wood)	Pole	Bay Blvd South of L Street
82	U108792	Manhole	Bay Blvd South of L Street
83	U108793	Manhole	Bay Blvd South of L Street
84	U118717	Manhole	W J Street

85	Z100305(Wood)	Pole	W J Street
86	U118875	Manhole	E Street
87	U108798	Manhole	E Street
88	U118876	Manhole	E Street
89	Z119483(Steel)	Pole	E Street
90	Z223732(Steel)	Pole	E Street
91	U108799	Manhole	Skills Friars RD & River Run Dr.

III. Field Inspection - Violations List

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

GO 95, Rule 31.1, Design Construction and Maintenance, states in part:

Electrical supply and communication systems shall be designed, constructed, and maintained for their intended use, regard being given to the conditions under which they are to be operated, to enable the furnishing of safe, proper, and adequate service.

Each of the following SDG&E towers had damage on the tower legs:

- Z40515 – crack in the concrete
- Z40520 – crack in the concrete
- Z40522 – corrosion on the steel tower leg
- Z40523 – crack in the concrete
- Z40526 – crack in the concrete
- Z40527 – crack in the concrete
- Z40529 – crack in the concrete

GO 95, Rule 51.6, Marking and Guarding, High Voltage Marking of Poles, 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 damaged:

- Z253123
- Z253122