

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



August 26, 2021

TA2021-903

Jorge DaSilva
Director – Electric Regional Operations
San Diego Gas and Electric
8315 Century Park Court, Suite CP22B
San Diego, CA 92123

Subject: Audit of SDG&E Southern Orange County and North San Diego County Transmission Area

Mr. DaSilva:

On behalf of the Electric Safety and Reliability Branch of the California Public Utilities Commission (CPUC), Calvin Choi, Stacey Ocampo, and Mily Vaidya of my staff conducted a transmission audit of San Diego Gas & Electric (SDG&E) from June 14, 2021 to June 18, 2021. 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 September 27, 2021, 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 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:

- Circuit facility inspection records.
- Completed and pending corrective action work orders.
- Pole loading calculations.
- Tower Structure Analysis Records
- Safety hazard notifications.
- Intrusive test records
- SDG&E's documented inspection program.

II. Records Review – Violations List

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

GO 95, Rule 18, Rule 18-B1, Maintenance Programs, states in part:

Companies shall undertake corrective actions within the time periods stated for each of the priority levels set forth below. Scheduling of corrective actions within the time periods below may be based on additional factors, including the following factors, as appropriate ...

SDG&E's records indicated that for the 5-year period ending on June 4, 2021, SDG&E did not assign a priority level and due date for corrective action for 7 work orders as required by SDG&E's own procedures.

III. Field Inspections

My staff inspected the following facilities during the field inspection:

No.	Structure ID	Tieline	Structure	Location
1	U108562		Vault	Ladera Ranch
2	U100017		Vault	Mission Viejo
3	Z101646	13830	Steel Pole	San Juan Capistrano
4	Z223165	13833/13816	Tower	San Juan Capistrano
5	Z120058	13835	Steel Pole	San Juan Capistrano
6	Z223166	13833/13816	Tower	San Juan Capistrano
7	Z120057	13835	Steel Pole	San Juan Capistrano
8	Z120059	13835	Steel Pole	San Juan Capistrano
9	Z223464	13833/13816	Tower	San Juan Capistrano
10	U109308		Vault	Oceanside
11	U109309		Vault	Oceanside
12	Z311576	13843	Wood Pole	Carlsbad
13	Z226549	23011	Tower	Carlsbad
14	Z524958	23004	Tower	Carlsbad
15	Z311575	13843	Steel Pole	Carlsbad
16	Z203303	679	Steel Pole	Escondido
17	Z202015	23015	Steel Pole	Escondido
18	Z198357	684	Steel Pole	Escondido
19	Z133183	679	Steel Pole	Escondido
20	Z214604	684	Wood Pole	Escondido
21	Z712304	6930	Wood Pole	Escondido
22	Z617408	679	Wood Pole	Escondido
23	Z36270	689	Wood Pole	Escondido
24	Z184825	689	Wood Pole	Escondido
25	Z618839	6908	Wood Pole	Escondido
26	Z2618840	696	Wood Pole	Escondido
27	Z710006	23015/23011	Tower	San Marcos
28	Z710007	23051/23011	Tower	San Marcos
29	Z710005	23051/23011	Tower	San Marcos
30	Z710004	23051/23011	Tower	San Marcos
31	Z22391	660	Wood Pole	Solana Beach
32	Z22390	660	Wood Pole	Solana Beach
33	Z22389	660	Wood Pole	Solana Beach
34	Z22388	660	Wood Pole	Solana Beach
35	Z22506	660	Wood Pole	Solana Beach
36	Z22505	660	Wood Pole	Solana Beach
37	Z20740	660	Steel Pole	Solana Beach
38	Z12413	616	Steel Pole	San Diego
39	Z712341	616	Steel Pole	San Diego

40	Z12414	616	Steel Pole	San Diego
41	Z312819	13811	Wood Pole	San Diego
42	Z61158	616	Steel Pole	San Diego
43	Z312818	13811	Wood Pole	San Diego
44	Z619979	23051	Tower	San Diego
45	Z611160	616	Steel Pole	San Diego
46	Z312817	13811	Wood Pole	San Diego
47	Z611163	616	Steel Pole	San Diego
48	Z619978	23051	Tower	San Diego
49	Z227340	637	Steel Pole	Saint Ysabel
50	Z206030S		Steel Pole	Saint Ysabel
51	Z214380	685	Steel Pole	Saint Ysabel
52	Z200933S		Steel Pole	Saint Ysabel
53	Z214381	685	Steel Pole	Saint Ysabel
54	Z214382	685	Steel Pole	Saint Ysabel
55	Z214383	685	Steel Pole	Saint Ysabel
56	Z215013	682	Steel Pole	Saint Ysabel
57	Z214536	685	Steel Pole	Saint Ysabel
58	Z118234	682	Steel Pole	Saint Ysabel
59	Z118233	682	Steel Pole	Saint Ysabel
60	Z118232	682	Steel Pole	Saint Ysabel
61	Z118231	682	Steel Pole	Saint Ysabel
62	Z118230	682	Steel Pole	Saint Ysabel
63	Z118229	682	Steel Pole	Saint Ysabel
64	Z118228	682	Steel Pole	Saint Ysabel
65	Z610434	683	Steel Pole	Saint Ysabel
66	Z610433	683	Steel Pole	Lilac
67	Z610432	683	Steel Pole	Lilac
68	Z610431	683	Steel Pole	Lilac
69	Z610430	683	Steel Pole	Lilac
70	Z610429	683	Steel Pole	Lilac
71	Z610428	683	Steel Pole	Lilac
72	Z610427	683	Steel Pole	Lilac
73	Z168645	683	Steel Pole	Lilac
74	Z610425	683	Steel Pole	Lilac
75	Z514165	683	Steel Pole	Lilac
76	Z227789	6932	Steel Pole	Lilac
77	Z811313	23030/688	Tower	Lilac
78	Z811312	23030/688	Tower	Lilac
79	Z123000	23054	Steel Pole	Poway
80	Z101980	6917	Steel Pole	Poway
81	Z122987	23055/23054	Steel Pole	Poway
82	Z122986	23055/23054	Steel Pole	Poway
83	Z101975	6917	Steel Pole	Poway
84	Z122979	23055/23054	Steel Pole	Poway

85	Z873122	23051	Steel Pole	Poway
86	Z101797	6917	Steel Pole	Poway
87	Z171687	6915	Steel Pole	Poway
88	Z104981	6920	Wood Pole	Poway
89	Z100394	13820	Steel Pole	Poway
90	Z100390	23071	Steel Pole	Poway
91	Z171684	6924	Wood Pole	Poway
92	Z473526	6917	Wood Pole	Poway
93	Z205039S		Wood Pole	Poway
94	Z873120	23041/23021	Tower	Poway
95	Z473524	13821/13828	Steel Pole	Poway
96	Z96700	23012/23053	Steel Pole	Carmel Valley
97	Z2731190	6952	Wood Pole	Carmel Valley
98	Z33186	610	Wood Pole	Carmel Valley
99	Z33187	610	Wood Pole	Carmel Valley
100	Z96701	23012/23053	Steel Pole	Carmel Valley
101	Z731199	6952	Steel Pole	Carmel Valley
102	Z33188	610	Wood Pole	Carmel Valley
103	Z96703	23012/23053	Steel Pole	Carmel Valley
104	Z92802	6952	Wood Pole	Carmel Valley
105	Z33191	610	Wood Pole	Carmel Valley
106	Z33192	610	Wood Pole	Carmel Valley
107	Z96703	6952	Wood Pole	Carmel Valley
108	Z96704	23012/23052	Steel Pole	Carmel Valley
109	Z181611	6945/6930	Steel Pole	Olivenhain
110	Z181617	6945/6930	Steel Pole	Olivenhain
111	Z181629	6945/6930	Steel Pole	Olivenhain
112	Z181638	6945/6930	Steel Pole	Olivenhain
113	Z181655	6945/6930	Steel Pole	Olivenhain
114	Z181656	6945/6930	Steel Pole	Olivenhain

IV. 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.

The following SCE transmission facilities required maintenance:

- Tower Z223165: The sign for the tie-line identification was starting to peel off.
- Pole Z33187: The High Voltage sign at the base of pole was vandalized/illegible and needed to be cleaned or replaced.
- Pole Z33188: The High Voltage sign at the base of pole was vandalized/illegible and needed to be cleaned or replaced.
- Pole Z33187: The tieline identification sign at the base of pole was vandalized/illegible and needed to be cleaned or replaced.