

## PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



August 15, 2022

CA2022-938

Maegan Murphy  
Crown Castle Communications  
Utility Relations Manager for California  
200 Spectrum Center Drive, Ste. 1700  
Irvine, CA 92618

**SUBJECT:** Audit of Crown Castle Communications Los Angeles & Orange County District

Ms. Murphy:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission (CPUC), Kyle King of my staff conducted a CIP audit of Crown Castle Communications' Los Angeles & Orange County District from June 20 to June 24, 2022. The audit included a review of Crown Castle Communications' inspection and maintenance records and a field inspection of Crown Castle Communications' facilities.

During the audit, my staff identified violations of one or more General Orders (GOs). An itemized copy of the audit findings violations identified by Staff is enclosed along with this letter. Please advise me no later than September 15, 2022, by electronic or hard copy, of all corrective measures taken by Crown Castle Communications to remedy and prevent such violations.

If you have any questions concerning this audit, you can contact Kyle King at (213) 222-3260 or [Kyle.King@cpuc.ca.gov](mailto:Kyle.King@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: CPUC Audit Findings

Cc: Lee Palmer, Director, Safety and Enforcement Division, CPUC  
Nika Kjensli, Program Manager, Electric Safety and Reliability Branch, CPUC  
Kyle King, Utilities Engineer, ESRB, CPUC

## **AUDIT FINDINGS**

### **I. Records Review**

During the audit, my staff reviewed the following records:

- Overhead detailed and patrol inspections records.
- Completed and pending corrective action work orders.
- Pole loading calculations.
- Crown Castle Communications' Overhead Lines Maintenance Plan
- Crown Castle Communications' Visual Inspections of Overhead Lines
- Crown Castle Communications' Detailed Inspections with Pole Loads
- Crown Castle Communications' Patrolling Inspections
- Crown Castle Communications Inspection & Repair Excel Spreadsheet

## II. Field Inspection

My staff inspected the following structures during the field inspection portion of the audit.

Note: most, if not all, of the facilities owned by Crown Castle Communications did not have service drops providing service to customers, houses, or residential areas. Most of the Crown Castle Communications LA/OC service drops were installed to provide service to hospitals, businesses, etc. Also, a third party, such as AT&T, also shares joint agreements with Crown Castle Communications on certain facilities in the LA/OC service area.

No.	Structure Identification	Type of Structure	Location
1	716464H	Pole	Newport Beach
2	4074852E	Pole	Newport Beach
3	716466H	Pole	Newport Beach
4	716467H	Pole	Newport Beach
5	4386806E	Pole	Newport Beach
6	Santa Ana Ave. & 15 <sup>th</sup> Street	Pole	Newport Beach
7	254116H	Pole	Newport Beach
8	1059591H	Pole	Newport Beach
9	6439	Pole	Newport Beach
10	1032256	Pole	Costa Mesa
11	1547 Santa Ana Ave.	Pole	Costa Mesa
12	631539H	Pole	Costa Mesa
13	4701775E	Pole	Costa Mesa
14	1098894E	Pole	Newport Beach
15	4407791E	Pole	Newport Beach
16	724986E	Pole	Newport Beach
17	4182337E	Pole	Newport Beach
18	4394140E	Pole	Newport Beach
19	4591415E	Pole	Newport Beach
20	724982E	Pole	Newport Beach
21	724981E	Pole	Newport Beach
22	724980E	Pole	Newport Beach
23	724979E	Pole	Newport Beach
24	724978E	Pole	Newport Beach
25	4255865E	Pole	Newport Beach
26	4265070E	Pole	Newport Beach
27	2286057E	Pole	Newport Beach
28	600 Gary Place	Pole	Newport Beach
29	1438688E	Pole	Newport Beach

30	611610H	Pole	Newport Beach
31	1142852E	Pole	Newport Beach
32	993239E	Pole	Newport Beach
33	468888E	Pole	Newport Beach
34	524225E	Pole	Newport Beach
35	524226E	Pole	Newport Beach
36	1369987E	Pole	Newport Beach
37	737188E	Pole	Newport Beach
38	1027696H	Pole	Newport Beach
39	801934H	Pole	Newport Beach
40	861935H	Pole	Newport Beach
41	652072H	Pole	Newport Beach
42	526 Santa Ana Ave.	Pole	Newport Beach
43	512 Santa Ana Ave.	Pole	Newport Beach
44	510 Santa Ana Ave.	Pole	Newport Beach
45	4821177E	Pole	Newport Beach
46	460 Santa Ana Ave.	Pole	Newport Beach
47	450 Santa Ana Ave.	Pole	Newport Beach
48	652073H	Pole	Newport Beach
49	563881H	Pole	Newport Beach
50	563879H	Pole	Newport Beach
51	418 Santa Ana Ave.	Pole	Newport Beach
52	652052H	Pole	Newport Beach
53	651983H	Pole	Newport Beach
54	651984H	Pole	Newport Beach
55	651984E	Pole	Newport Beach
56	4812803E	Pole	Newport Beach
57	302 Santa Ana Ave.	Pole	Newport Beach
58	643900H	Pole	Newport Beach
59	652067H	Pole	Newport Beach
60	651985H	Pole	Newport Beach
61	4920759E	Pole	Newport Beach
62	1267870E	Pole	Newport Beach
63	771742H	Pole	Newport Beach
64	1267869E	Pole	Newport Beach
65	D2064Y	Pole	Laguna Beach
66	4173413E	Pole	Laguna Beach
67	4173414E	Pole	Laguna Beach
68	4173415E	Pole	Laguna Beach

69	D2304Y	Pole	Laguna Beach
70	2065	Pole	Laguna Beach
71	1961708E	Pole	Laguna Beach
72	4360814E	Pole	Laguna Beach
73	4173412E	Pole	Laguna Beach
74	4868587E	Pole	Laguna Beach
75	4170165E	Pole	Laguna Beach
76	2257552E	Pole	Laguna Beach
77	4175411E	Pole	Laguna Beach
78	4170164E	Pole	Laguna Beach
79	4170163E	Pole	Laguna Beach
80	4170162E	Pole	Laguna Beach
81	4170161E	Pole	Laguna Beach
82	4838396E	Pole	Laguna Beach
83	1331583E	Pole	Laguna Beach
84	2257942E	Pole	Laguna Beach
85	4170160E	Pole	Laguna Beach
86	4910475E	Pole	Laguna Beach
87	GT 3587	Pole	Laguna Beach
88	1098337E	Pole	Laguna Beach
89	1249028E	Pole	Laguna Beach
90	341007E	Pole	Laguna Beach
91	4170159E	Pole	Laguna Beach
92	1331584E	Pole	Laguna Beach
93	1249026E	Pole	Laguna Beach
94	1331585E	Pole	Laguna Beach
95	1249027E	Pole	Laguna Beach
96	1396291E	Pole	Laguna Beach
97	1727954E	Pole	Laguna Beach
98	1040228E	Pole	Laguna Beach
99	1040229E	Pole	Laguna Beach
100	D2730Y	Pole	Laguna Beach
101	835525E	Pole	Laguna Beach
102	2251603E	Pole	Laguna Beach
103	Palos Verdes Drive South & Terranea Way	Handhole	Rancho Palos Verdes
104	Palos Verdes Drive South & Seawolf Drive	Handhole	Rancho Palos Verdes
105	Palos Verdes Drive South & Seawolf Drive	Handhole	Rancho Palos Verdes

106	Palos Verdes Drive South & Seahill Drive	Handhole	Rancho Palos Verdes
107	6410 Palos Verdes Drive South	Handhole	Rancho Palos Verdes
108	Palos Verdes Drive South & Clipper Drive	Handhole	Rancho Palos Verdes
109	Hawthorne Blvd. & Via Capri	Handhole	Rancho Palos Verdes
110	Hawthorne Blvd. & Rancho Palos Verdes City Hall	Handhole	Rancho Palos Verdes
111	Hawthorne Blvd. & Point Vicente Park & Civic Center	Handhole	Rancho Palos Verdes
112	Hawthorne Blvd. & 30850 Peninsula Racquet Club	Handhole	Rancho Palos Verdes
113	Hawthorne Blvd. & 30840 Salvation Army	Handhole	Rancho Palos Verdes
114	Hawthorne Blvd. & 3806-3928 Hawthorne Blvd.	Handhole	Rancho Palos Verdes
115	Hawthorne Blvd. & Vallon Drive	Handhole	Rancho Palos Verdes
116	Hawthorne Blvd. & Monaco/La Cresta & Vallon Drive	Handhole	Rancho Palos Verdes
117	Hawthorne Blvd. & Vallon Drive/Ryan Park	Handhole	Rancho Palos Verdes
118	Hawthorne Blvd. & Robert E. Ryan Park	Handhole	Rancho Palos Verdes
119	Hawthorne Blvd. & Ryan Park	Handhole	Rancho Palos Verdes
120	Hawthorne Blvd. Los Verdes Drive	Handhole	Rancho Palos Verdes
121	Hawthorne Blvd. & Rhone Drive	Handhole	Rancho Palos Verdes
122	Hawthorne Blvd. & Crest Rd.	Handhole	Rancho Palos Verdes
123	30019 Ralphs & Crest Rd.	Handhole	Rancho Palos Verdes
124	29941 Chase Bank & Crest Rd.	Handhole	Rancho Palos Verdes
125	29941 Chase Bank & Hawthorne Blvd.	Handhole	Rancho Palos Verdes
126	1457855E	Pole	Costa Mesa
127	4473125E	Pole	Costa Mesa
128	4473124E	Pole	Costa Mesa
129	1457857E	Pole	Costa Mesa
130	145858E	Pole	Costa Mesa
131	4471513E	Pole	Costa Mesa

132	1457860E	Pole	Costa Mesa
133	1457861E	Pole	Costa Mesa
134	1457862E	Pole	Costa Mesa
135	1457863E	Pole	Costa Mesa
136	P24823	Pole	Dana Point
137	P24824	Pole	Dana Point
138	P24822	Pole	Dana Point
139	P25536	Pole	Dana Point
140	1727734E	Pole	Huntington Beach
141	4379991E	Pole	Westminster
142	1516654E	Pole	Seal Beach
143	4447666E	Pole	Seal Beach
144	4521656E	Pole	Seal Beach

### III. Field Inspection - Violations List

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

**GO 95, Rule 18-A3, Resolution of Potential Violations of General Order 95 and Safety Hazards**, states:

*(3) If a company, while performing inspections of its facilities, discovers a Safety Hazard(s) on or near a communications facility or electric facility involving another company, the inspecting company shall notify the other entity of such safety hazard(s) no later than 10 business days after the discovery.*

Safety hazards on the following poles were not documented and reported to the responsible third-parties until during the audit.

- A third-party ground moulding attached to pole 6439 (Newport Beach, No. 9) was damaged.
- A third-party SCE down guy attached to pole 1267870E (Newport Beach No. 62) was touching communication conductors.

**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.*

A Crown Castle Communications messenger wire attached to Pole 993239E was not taut.