#### PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE SAN FRANCISCO, CA 94102-3298



September 18, 2023

CA2023-1163

Judy Geise Manager- Compliance Frontier 356 H Street Crescent City, CA 95531

**SUBJECT**: Communications Infrastructure Provider (CIP) Audit of Frontier's Crescent City/Garberville/Leggett Service Area

Mrs. Geise:

On behalf of the Electric Safety and Reliability Branch (ESRB) of the California Public Utilities Commission (CPUC), Dmitriy Lysak of ESRB staff conducted an CIP audit of Frontier's Crescent City/Garberville/Leggett Service Area from July 10, 2023 through July 14, 2023. During the audit, ESRB staff conducted field inspections of Frontier's facilities and equipment and reviewed pertinent documents and records.

As a result of the audit, ESRB staff identified violations of General Order (GO) 95 and GO 128. A copy of the audit findings itemizing the violations and observations is enclosed.

Please provide a response no later than October 16, 2023, via electronic copy of all corrective actions and preventive measures taken by Frontier to correct the identified violations and prevent the recurrence of such violations and observations.

If you have any questions concerning this audit, please contact Dmitriy Lysak at (415) 940-4423 or <a href="mailto:dmitriy.lysak@cpuc.ca.gov">dmitriy.lysak@cpuc.ca.gov</a>.

Sincerely,

Rickey Tse, P.E.

( hashoo)

Program and Project Supervisor Electric Safety and Reliability Branch Safety and Enforcement Division

California Public Utilities Commission

Enclosure: CPUC Audit Findings of Frontier Crescent City/Garberville/Leggett Service Area

Cc: Lee Palmer, Director, Safety and Enforcement Division (SED), CPUC
 Nika Kjensli, Program Manager, ESRB, SED, CPUC
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 Nathan Sarina, Senior Utilities Engineer (Supervisor), ESRB, SED, CPUC
 Dmitriy Lysak, Utilities Engineer, ESRB, SED, CPUC

#### **CPUC AUDIT FINDINGS OF**

# FRONTIER CRESCENT CITY/GARBERVILLE/LEGGETT SERVICE AREA JULY 10 – 14, 2023

#### I. Records Review

During the audit, Electric Safety and Reliability Branch (ESRB) staff reviewed the following records:

- Frontier California's Outside Plant Maintenance, Inspection, and Repair Programs, General Order (GO) 95/128 Inspection and Maintenance Program
- Frontier's Quality Inspection Program
- Frontier Crescent City/Garberville/Leggett Facility Statistics as of June 2023, including
  miles of overhead lines, miles of underground lines, number of poles, number of vaults, and
  number of pedestals.
- Frontier Crescent City/Garberville/Leggett Facility Maps as of June 2023.
- Frontier Crescent City/Garberville/Leggett Service Area Work Order List containing data of facility locations, overhead or underground facility types, identified deficiencies, repair priority levels, corrective action due dates, and work completion dates from January 2018 through January 2023.
- Frontier Crescent City/Garberville/Leggett Service Area Inspection Data containing data for the inspected facility type, facility location, fire threat district location, inspection date, and resulting inspection findings from January 2018 through January 2023.
- Safety Hazards Notifications Frontier Received from Third Party Utilities from January 2018 through January 2023.
- Safety Hazard Notifications Frontier Sent to Third Party Utilities from January 2018 through January 2023.
- Frontier Crescent City/Garberville/Leggett Service Area Pole Loading Analysis Projects List from January 2018 through January 2023.
- Frontier Crescent City/Garberville/Leggett Valley Service Area intrusive pole tests from January 2018 through January 2023.
- Frontier Crescent City/Garberville/Leggett Service Area construction projects from January 2022 through January 2023.

#### II. Records Violations

ESRB observed the following violations during the record review portion of the audit:

1. General Order (GO) 95, Rule 18-B(1)(a) states in part:

"The maximum time periods for corrective actions associated with potential violation of GO 95 or a Safety Hazard are based on the following priority levels:

- (i) Level 1 -- An immediate risk of high potential impact to safety or reliability:
  - Take corrective action immediately, either by fully repairing or by temporarily repairing and reclassifying to a lower priority.
- (ii) Level 2 -- Any other risk of at least moderate potential impact to safety or reliability:
  - Take corrective action within specified time period (either by fully repair or by temporarily repairing and reclassifying to Level 3 priority). Time period for corrective action to be determined at the time of identification by a qualified company representative, but not to exceed: (1) six months for potential violations that create a fire risk located in Tier 3 of the High Fire-Threat District; (2) 12 months for potential violations that create a fire risk located in Tier 2 of the High Fire-Threat District; (3) 12 months for potential violations that compromise worker safety; and (4) 36 months for all other Level 2 potential violations.
- (iii) Level 3 -- Any risk of low potential impact to safety or reliability:
  - Take corrective action within 60 months subject to the exception specified below."

Frontier's GO 95 Inspection and Maintenance Program adheres to General Order 95, Rule 18 timelines to correct any nonconformance.

- **Repair Category 1:** Take action immediately (within 24 hours), either by fully repairing the condition, or by temporarily repairing and reclassifying the condition to a lower priority.
- **Repair Category 2A:** 6 months from inspection date for a nonconformance that compromises worker safety or create a fire risk and are located in an Extreme High Fire Threat Zone (Tier3)
- **Repair Category 2B:** 12 months from inspection date for a nonconformance in a Very High Fire Threat Zone (Tier2)
- **Repair Category 2C:** 36 months from inspection date.
- **Repair Category 3:** 60 months from inspection date.

ESRB's review of Frontier's work orders submitted for the period from January 2018 through January 2023 found that Frontier had a total of 67 late work orders, including 44 late-closed work orders and 23 late-pending work orders in the Crescent City/Garberville/Leggett Service Area.

Table 1 below lists the late work orders in the Crescent City/Garberville/Leggett Service Area by different hazard levels.

Late-Closed **Late-Pending Work** Repair **Total** Category Work Orders **Orders** 1 1 1 2A 4 6 **10** 2B30 16 46 2C 10 10 3 44 **Total** 23 **67** 

Table 1: Late Work Orders in Crescent City/Garberville/Leggett Service Area

Late-closed work orders are those completed past their assigned due dates based on their repair categories, and late-pending work orders are those that had not been completed, as of June 12, 2023, by their assigned due dates based on their repair categories. Frontier is required to mitigate late work order issues, including completing any late-pending work orders.

#### 2. GO 95, Rule 18-B(1)(a)(ii) Maintenance Programs states in part:

- (ii) Level 2 -- Any other risk of at least moderate potential impact to safety or reliability:
- Take corrective action within specified time period (either by fully repair or by temporarily repairing and reclassifying to Level 3 priority). Time period for corrective action to be determined at the time of identification by a qualified company representative, but not to exceed: (1) six months for potential violations that create a fire risk located in Tier 3 of the High Fire-Threat District; (2) 12 months for potential violations that create a fire risk located in Tier 2 of the High Fire-Threat District; (3) 12 months for potential violations that compromise worker safety; and (4) 36 months for all other Level 2 potential violations.

#### GO 95, Rule 21.2.D, High Fire-Threat District states:

High Fire-Threat District means those areas comprised of the following:
(1) Zone 1 is Tier 1 of the latest version of the United States Forest Service
(USFS) and CAL FIRE's joint map of Tree Mortality High Hazard Zones

(HHZs). (Note: The Tree Mortality HHZs Map may be revised regularly by the USFS and CAL FIRE.)

- (2) Tier 2 is Tier 2 of the CPUC Fire-Threat Map.
- (3) Tier 3 is Tier 3 of the CPUC Fire-Threat Map.

Note: In accordance with Ordering Paragraph 7 of D.17-01-009, the above-referenced mapping products are available on the Commission's website at: www.cpuc.ca.gov/FireThreatMap

Frontier's Frontier California's Outside Plant Maintenance, Inspection, and Repair Programs procedure states that nonconformances that compromise worker safety or create a fire risk in Extreme High Fire Threat Zones only in Southern California require corrective action within six months. The current January 2020 version of GO 95 does not have different corrective action priority requirements between Northern California and Southern California. Frontier's procedure also lists an Extreme High Fire Threat Zone as Tier 1. In GO 95, Rule 21.2.D, an area with an extreme fire risk is defined as a Tier 3 High Fire Threat District. Frontier must update its procedure to reflect the requirements in the latest version of GO 95.

### **III.** Field Inspection

During the field inspection, ESRB inspected the following facilities:

Location #	Structure Type	Address	City
1	Pole	1609 Macken	Crescent City
2	Pole	1557 Macken	Crescent City
3	Pole	1535 Macken	Crescent City
4	Pole	1734 Macken	Crescent City
5	Pole	1516 Macken	Crescent City
6	Pole	1610 Macken	Crescent City
7	Pole	1610 Macken	Crescent City
8	Pole	222 North Pebble	Crescent City
9	Pedestal	262 North Pebble	Crescent City
10	Pedestal	1657 Lauff	Crescent City
11	Pole	1644 Lauff	Crescent City
12	Pole	1617 Lauff	Crescent City
13	Pole	1550 Margie	Crescent City
14	Pole	575 Pacific	Crescent City
15	Pole	555 Pacific	Crescent City
16	Pole	505 Pacific	Crescent City
17	Pole	505 Pacific	Crescent City
18	Pole	512 Pacific	Crescent City
19	Pole	594 Pacific	Crescent City

20	Pole	594 Pacific	Crescent City
21	Pole	625 Macken	Crescent City
22	Pole	645 Macken	Crescent City
23	Pole	201 Fresno	Crescent City
24	Pole	992 Hamilton	Crescent City
25	Pole	645 Hamilton	Crescent City
26	Pole	215 Dream	Crescent City
27	Pedestal	215 Dream	Crescent City
28	Pedestal	205 Dream	Crescent City
29	Pedestal	195 Dream	Crescent City
30	Pedestal	190 Dream	Crescent City
31	Pole	980 El Dorado	Crescent City
32	Pole	987 El Dorado	Crescent City
33	Pole	4321 Donna Declue	Crescent City
34	Pole	4321 Donna Declue	Crescent City
35	Pole	4551 Wonder Stump	Crescent City
36	Pole	4551 Wonder Stump	Crescent City
37	Pole	4321 Wonder Stump	Crescent City
38	Pole	3920 Wonder Stump	Crescent City
39	Pole	111 Mobile	Crescent City
40	Pole	101 Mobile	Crescent City
41	Pole	3845 Vivienne	Crescent City
42	Pole	3835 Vivienne	Crescent City
43	Pole	3831 Vivienne	Crescent City
44	Pole	3984 Redwood	Garberville
45	Pole	Briceland and Perry Meadow	Garberville
46	Pole	Briceland and Perry Meadow	Garberville
47	Pole	Briceland Rd	Garberville
48	Pole	Briceland Rd	Garberville
49	Pole	Briceland Rd	Garberville
50	Pole	Briceland Rd	Garberville
51	Pole	310 Bushnell	Garberville
52	Pole	313 Bushnell	Garberville
53	Pole	355 Bushnell	Garberville
54	Pole	355 Bushnell	Garberville
55	Pole	Country Yard and Alderpoint	Garberville
56	Pole	355 Timber	Garberville
57	Pole	86 Arthur	Garberville
58	Pole	101 Arthur	Garberville
59	Pole	212 Arthur	Garberville
60	Pole	211 Arthur	Garberville
61	Pole	554 Maple	Garberville
62	Pole	823 Miller	Garberville
63	Pole	824 Miller	Garberville
64	Pole	507 Maple	Garberville

65         Pole         485 Maple         Garberville           66         Pole         486 Maple         Garberville           67         Pole         474 Maple         Garberville           68         Pole         791 Locust         Garberville           69         Pole         763 Locust         Garberville           70         Pole         3885 Sprowl Creek         Garberville           71         Pole         3885 Sprowl Creek         Garberville           72         Pole         3765 Sprowl Creek         Garberville           73         Pole         4925 Benbow         Garberville           74         Pole         4925 Benbow         Garberville           75         Pole         4925 Benbow         Garberville           75         Pole         4925 Benbow         Garberville           77         Pole         4925 Benbow         Garberville           78         Pole         75000 US-101         Leggett				
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Pole	81	Pole	Roswarm Rd	Leggett
83         House           84         Pole         1 pole south of #83         Leggett           85         Pole         1 pole south of #84         Leggett           86         Pole         1 pole south of #85         Leggett           87         Pole         1 pole south of #86         Leggett           88         Pole         1 pole south of #87         Leggett           89         Pole         1 pole south of #88         Leggett           90         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         1 pole east of #90         Leggett           91         Pole         2 pole east of #90         Leggett           92         Pole         3 pole east of #91         Leggett           93         Pole         4 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67640 Drive Through Tree         Leggett           97         Pole         67660 Drive Through Tree         Leggett           99         Pole         67650 CA-271         Leggett	82	Pole	Roswarm Rd	Leggett
84         Pole         1 pole south of #83         Leggett           85         Pole         1 pole south of #84         Leggett           86         Pole         1 pole south of #85         Leggett           87         Pole         1 pole south of #86         Leggett           88         Pole         1 pole south of #87         Leggett           89         Pole         1 pole south of #88         Leggett           90         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         1 pole east of #90         Leggett           92         Pole         2 pole east of #91         Leggett           93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         6764 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           99         Pole         67660 Drive Through Tree         Leggett           100         Pole		Pole	75001 US-101 World Famous Tree	Leggett
85         Pole         1 pole south of #84         Leggett           86         Pole         1 pole south of #85         Leggett           87         Pole         1 pole south of #86         Leggett           88         Pole         1 pole south of #87         Leggett           89         Pole         1 pole south of #88         Leggett           90         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         1 pole east of #90         Leggett           91         Pole         2 pole east of #90         Leggett           92         Pole         3 pole east of #91         Leggett           93         Pole         4 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67650 CA-271         Leggett           100         Pole         67664 CA-	83		House	
86         Pole         1 pole south of #85         Leggett           87         Pole         1 pole south of #86         Leggett           88         Pole         1 pole south of #87         Leggett           89         Pole         1 pole south of #88         Leggett           90         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         1 pole east of #90         Leggett           92         Pole         2 pole east of #91         Leggett           93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67650 CA-271         Leggett           100         Pole         67664 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through	84	Pole	1 pole south of #83	Leggett
87         Pole         1 pole south of #86         Leggett           88         Pole         1 pole south of #87         Leggett           89         Pole         1 pole south of #88         Leggett           90         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         1 pole east of #90         Leggett           92         Pole         2 pole east of #91         Leggett           93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67650 CA-271         Leggett           100         Pole         67664 CA-271         Leggett           101         Pole         66150 Drive Through Tree         Leggett           102         Pole         1 pole north of 102         Leggett           104         Pole         1 pole	85	Pole	1 pole south of #84	Leggett
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89         Pole         1 pole south of #88         Leggett           90         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         1 pole east of #90         Leggett           92         Pole         2 pole east of #91         Leggett           93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67650 CA-271         Leggett           100         Pole         67664 CA-271         Leggett           101         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett	87	Pole	1 pole south of #86	Leggett
90         Pole         69501 US-101 Peg House Gift Shop         Leggett           91         Pole         1 pole east of #90         Leggett           92         Pole         2 pole east of #91         Leggett           93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67650 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         66150 Drive Through Tree         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett	88	Pole	1 pole south of #87	Leggett
91         Pole         1 pole east of #90         Leggett           92         Pole         2 pole east of #91         Leggett           93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett			·	Leggett
92         Pole         2 pole east of #91         Leggett           93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett		Pole		Leggett
93         Pole         3 pole east of #92         Leggett           94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett	91	Pole	1 pole east of #90	Leggett
94         Pole         4 pole east of #93         Leggett           95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett	92	Pole	2 pole east of #91	Leggett
95         Pole         5 pole east of #94         Leggett           96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett		Pole	3 pole east of #92	Leggett
96         Pole         67674 CA-271         Leggett           97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett			•	Leggett
97         Pole         67660 Drive Through Tree         Leggett           98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett		Pole	5 pole east of #94	Leggett
98         Pole         67660 Drive Through Tree         Leggett           99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett		Pole		Leggett
99         Pole         67670 CA-271         Leggett           100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett			-	Leggett
100         Pole         67650 CA-271         Leggett           101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett				Leggett
101         Pole         67664 CA-271         Leggett           102         Pole         66150 Drive Through Tree         Leggett           103         Pole         1 pole north of 102         Leggett           104         Pole         1 pole north of 103         Leggett	99	Pole		Leggett
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104 Pole 1 pole north of 103 Leggett				Leggett
		Pole	1 pole north of 102	Leggett
<b>105</b> Pole 65901 CA-271 Leggett	104	Pole	1 pole north of 103	Leggett
	105	Pole	65901 CA-271	Leggett

# **IV.** Field Inspection Violations

ESRB identified the following violations during the field inspection:

# 1. 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."

ESRB's findings are listed in Table 2:

Table 2: GO 95, Rule 31.1 Findings

Location #	Findings
4	Equipment needs to be transferred from buddy pole to new pole.
17	Slack down guy.
38	Damaged lashing wire.
41	Damaged lashing wire.
58	Damaged lashing wire.
78	Equipment needs to be transferred from buddy pole to new pole.
94	Slack down guy.
98	Missing down guy.
103	Damaged lashing wire.
105	Equipment disconnected from pole.

#### 2. GO 95, Rule 31.6, Abandoned Lines states:

"Lines or portions of lines permanently abandoned shall be removed by their owners so that such lines shall not become a public nuisance or a hazard to life or property. For the purposes of this rule, lines that are permanently abandoned shall be defined as those lines that are determined by their owner to have no foreseeable future use."

ESRB's findings are listed in Table 3:

Table 3: GO 95, Rule 31.6 Findings

Location #	Findings
32	Abandoned service drop.
41	Abandoned service drop.
42	Abandoned service drop.
43	Abandoned service drop.
54	Abandoned service drop.
63	Abandoned service drop.
65	Abandoned service drop.
92	Abandoned service drop.
93	Abandoned service drop.
101	Abandoned service drop.
103	Abandoned service drop.

# 3. GO 95, Rule 35, Vegetation Management states in part:

"Communication and electric supply circuits, energized at 750 volts or less, including their service drops, should be kept clear of vegetation in new construction and when circuits are reconstructed or repaired, whenever practicable. When a supply or communication company has actual knowledge, obtained either through normal operating practices or notification to the company, that its circuit energized at 750 volts or less shows strain or evidences abrasion from vegetation contact, the condition shall be corrected by reducing conductor tension, rearranging or replacing the conductor, pruning the vegetation, or placing mechanical protection on the conductor(s). For the purpose of this rule, abrasion is defined as damage to the insulation resulting from the friction between the vegetation and conductor. Scuffing or polishing of the insulation or covering is not considered abrasion. Strain on a conductor is present when vegetation contact significantly compromises the structural integrity of supply or communication facilities. Contact between vegetation and conductors, in and of itself, does not constitute a nonconformance with the rule."

ESRB's findings are listed in Table 4:

Table 4: GO 95, Rule 35 Findings

Location #	Findings
58	Tree branch strain and abrasion on cable.
78	Fallen branch on cable.

# 4. GO 95, Rule 37, Table 1, Case No. 5B requires the following:

Vertical clearance of communication conductors above ground along thoroughfares in rural districts must be at least 15 feet.

ESRB's finding is listed in Table 5:

Table 5: GO 95, Rule 37 Finding

Location #	Finding
103	Cable span above road measured only 14 feet above ground.

#### 5. GO 95, Rule 38, Table 2, Case 16 requires the following:

16c. Radial separation of conductors on same crossarm, pole or structure between conductors, taps or lead wires of different circuits requires at least three inches of separation from communication conductors.

16d. Radial separation of conductors on same crossarm, pole or structure between conductors, taps or lead wires of different circuits requires at least eleven and one half inches of separation from service drops between 0-750 volts.

ESRB's findings are listed in Table 6:

Table 6: GO 95, Rule 38 Findings

Location #	Findings
23	Frontier communication conductors in contact with different companies' communication circuits.
31	Frontier communication conductors in contact with different companies' communication circuits.

### **6. GO 95, Rule 38, Table 2, Case 18.C** requires the following:

Radial separation between guys and span wires passing conductors supported on the same poles requires at least three inches of separation from communication conductors. ESRB's finding is listed in Table 7:

Table 7: GO 95, Rule 38 Finding

Location #	Finding
48	Frontier communication conductor in contact with down guy.

#### 7. GO 95, Rule 84.6.B, Ground Wires states:

"Ground wires, other than lightning protection wires not attached to equipment or ground wires on grounded structures, shall be covered by metal pipe or suitable covering of wood or metal, or of plastic conduit material as specified in Rule 22.8–A, for a distance above ground sufficient to protect against mechanical injury, but in no case shall such distance be less than 7 feet. Such covering may be omitted providing the ground wire in this 7 foot section has a mechanical strength at least equal to the strength of No. 6 AWG medium—hard—drawn copper.

Portions of ground wires which are on the surface of wood poles and within 6 feet vertically of unprotected supply conductors supported on the same pole, shall be covered with a suitable protective covering (see Rule 22.8)."

ESRB's findings are listed in Table 8:

Table 8: GO 95, Rule 84.6 Findings

Location #	Findings
14	Exposed vertical ground wire.
18	Exposed vertical ground wire.
37	Exposed vertical ground wire.
48	Exposed vertical ground wire.

# 8. GO 95, Rule 87.7-D(1), Risers, Covered from Ground Level to 8 Feet above the Ground states:

"Risers shall be protected from the ground level to a level not less than 8 feet above the ground by:

a) Securely or effectively grounded iron or steel pipe (or other covering at least of equal strength). When metallic sheathed cable rising from underground non-metallic conduit is protected by

metallic pipe or moulding, such pipe or moulding shall be effectively grounded as specified in Rule 21.4-A, or

b) Non-metallic conduit or rigid U-shaped moulding. Such conduit or moulding shall be of material as specified in Rule 22.8"

ESRB's findings are listed in Table 9:

Table 9: GO 95, Rule 87.7 Findings

Location #	Findings
57	Riser is not properly attached to pole.
59	Riser is not properly attached to pole.

## **9. GO 128, Rule 42.7, Covers** states:

"Manholes and handholes, while not being worked in shall be securely closed by covers of sufficient strength to sustain such loads as may reasonably be imposed upon them, and arrangement shall be such that a tool or appliance shall be required for their opening and cover removal (Also See Rule 17.8 and Appendix B, Figure 9)."

ESRB's findings are listed in Table 10:

Table 10: GO 128, Rule 42.7 Finding

Location #	Finding
9	Enclosure is rusted and corroded.

#### V. Observations

- 1. GO 95, Rule 18-A, Resolution of Potential Violations of General Order 95 and Safety Hazards states in part:
  - (2) "Where a communications company's or an electric utility's (Company A's) actions result in potential violations of GO 95 for another entity (Company B), that entity's (Company B's) remedial action will be to transmit a single documented notice of identified potential violations to the communications company or electric utility (Company A) within a reasonable amount of time not to exceed 180 days after the entity discovers the potential violations of GO 95. If the potential violation

- constitutes a Safety Hazard, such notice shall be transmitted within ten (10) business days after the entity discovers the Safety Hazard.
- (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 ten (10) business days after the discovery.
- (4) To the extent a company that has a notification requirement under (2) or (3) above cannot determine the facility owner/operator, it shall contact the pole owner(s) within ten (10) business days if the subject of the notification is a Safety Hazard, or otherwise within a reasonable amount of time not to exceed 180 days after discovery. The notified pole owner(s) shall be responsible for promptly (normally not to exceed five business days) notifying the company owning/operating the facility if the subject of the notification is a Safety Hazard, or otherwise within a reasonable amount of time not to exceed 180 days, after being notified of the potential violation of GO95."

Table 11 includes all non-Frontier (third-party) findings that ESRB observed during the audit:

**Table 11: Observations** 

Location #	Findings
3	Communications service riser not attached to pole.
14	Communications riser conduit not attached to pole.
15	Communications service riser not attached to pole.
57	Communications service riser not attached to pole.
59	Communications service riser not attached to pole.
64	Communications service riser not attached to pole