(City of Bartow Electric Utility)
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2025

1. Introduction

b) Name of city/utility

City of Bartow

c) Address, street, city, zip

450 North Wilson Avenue, Bartow, FL 33830

d) Contact information: Name, title, phone, fax, email

Roger Murphy
Engineer II
Phone: (863) 534-0142, Fax (863) 534-7196
Email: rmurphy.electric@cityofbartow.net

2. Number of meters served in calendar year 2025

13,620

3. Facility Inspections

a) Describe the utility's policies, guidelines, practices, and procedures for inspecting transmission and distribution lines, poles, and structures including, but not limited to, pole inspection cycles and pole selection process.

The City of Bartow developed a plan to inspect our facilities based on an eight-year cycle. We chose to elicit the help of a contractor to perform pole inspections on a percentage of our utility system. Each year said contractor will receive a grouping of facilities based on the City's facility database. All facilities initially receive a visual inspection with notes made of any problems discovered. Tests are also done to identify shell rot and insect infestation. The facilities are then excavated to a depth of 18 inches while measurements are made to determine the strength remaining. All facilities passing inspection are treated with a life extending process and reported so. Any facilities not meeting criteria are noted in the report for further action.

In addition to pole inspections, the City completes distribution line inspections (a.k.a. system rides) each year. Our system rides are performed by an in-house employee. Any issues that

are found are turned in and work orders are created. Repairs are then completed by our line crews.

b) Describe the number and percentage of transmission and distribution inspections planned and completed for 2025.

The City's targeted number of poles to inspect for 2025 was 2,500 poles. After a successful increase in the pole inspections budget, the City was able to have the contractor inspect a total of 4,108 poles for the 2025 calendar year.

c) Describe the number and percentage of transmission poles and structures and distribution poles failing inspection in 2025 and the reason for the failure.

480 distribution poles out of the 4,108 distribution poles failed inspection creating a failure rate of 11.7%. 267 or 6.5% of the poles failed due to groundline zone rejects and 213 or 5.2% of the poles failed due to pole top rejects.

d) Describe the number and percentage of transmission poles and structures and distribution poles, by pole type and class of structure, replaced or for which remediation was taken after inspection in 2025, including a description of the remediation taken.

During inspections in 2025, the contractor externally treated 2,223 (54%) poles with MP500-EXT, internally treated 788 (19%) poles with MITC-FUME and internally treated 130 (3%) poles with Hollow Heart CB. In addition to these services provided by the contractor, Bartow addressed 21 (0.5%) poles in house. Please see the attached spreadsheet listing pole type, class, and remediation method.

4. Vegetation Management

a) Describe the utility's policies, guidelines, practices, and procedures for vegetation management, including programs addressing appropriate planting, landscaping, and problem tree removal practices for vegetation management outside of road right-of-ways or easements, and an explanation as to why the utility believes its vegetation management practices are sufficient.

Bartow utilizes a tree trimming contract for trimming trees by the mile as well as in-house crews. This along with an increased trimming budget has allowed Bartow to achieve a 3-year trim cycle which is our goal. We trim our distribution lines at a 10 to 15-foot horizontal and vertical clearance depending on the situation and type of vegetation. We have a licensed arborist on staff and currently use such practices as basal bark treatment, foliage treatment, cut-stump treatment, & herbicide application along with our regular trimming. We remove problem trees when deemed necessary by our crews or when the history of the tree reveals problems. Our reliability analysis indicates that our vegetation management practices are effective.

b) Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 2025.

We feel that a 3-year trim cycle is more effective than the previous 4-year trim cycle for reliability purposes. This along with other vegetation management practices mentioned in 4a are and will be effective in offering great reliability to our customers for now and for years to come.

City of Bartow Pole Remediation Report

Poles Addresses 2025

Line Item	Facility ID	Pole Length	Class	Pole Type	Remediation
1	167	40	3	Southern Pine	Replaced
2	246	40	3	Southern Pine	Replaced
3	274	40	3	Southern Pine	Replaced
4	281	40	3	Southern Pine	Replaced
5	282	40	3	Southern Pine	Replaced
6	307	40	3	Southern Pine	Replaced
7	1871	35	5	Southern Pine	Removed
8	3925	40	3	Southern Pine	Replaced
9	3938	40	3	Southern Pine	Replaced
10	3960	40	3	Southern Pine	Replaced
11	4265	40	3	Southern Pine	Replaced
12	4281	40	3	Southern Pine	Replaced
13	4463	35	5	Southern Pine	Removed
14	217	45	1	Southern Pine	Replaced
15	4928	40	3	Southern Pine	Replaced
16	5324	40	3	Southern Pine	Replaced
17	5811	40	3	Southern Pine	Replaced
18	45	40	3	Southern Pine	Replaced
19	46	40	3	Southern Pine	Replaced
20	13109	30	3	Southern Pine	Replaced
21	40	40	3	Southern Pine	Replaced