

Report
02/02/2023

(City of Lake Worth Beach)
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2022

1. Introduction

- b) Name of city/utility:
City of Lake Worth Beach Electric Utility

- c) Address, street, city, zip
1900 2nd Ave North, Lake Worth Beach 33461

- d) Contact information: Name, title, phone, fax, email
Michael Jenkins
Energy Delivery Manager
561 586-1799
mjenkins@lakeworthbeachfl.gov

2. Number of meters served in calendar year 2022 – 27,517

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.**

CLWBU performs a visual inspection of all transmission facilities on a three-year cycle. All transmission poles are concrete and steel and no pole testing is performed. CLWBU visually inspects of all distribution facilities on a three- year cycle that was completed in the year 2020. The pole inspection practices are a continuation of section testing pole tests consist of hammer sounding and pole prod penetration six (6) inches below ground line. Poles are replaced when pole prod penetration exceeds two (2) inches or there is evidence of severe pole top shell rot.

- b) **Describe the number and percentage of transmission and distribution inspections planned and completed for 2022.**

As described in section 3a, the City performed ongoing visual inspection of all (100%) transmission poles and four hundred ninety (490) distribution poles

c) Describe the number and percentage of transmission poles and structures and distribution poles failing inspection in 2022 and the reason for the failure.

Xx percent the transmission poles are in good conditions, and xx percent of the distribution poles inspected were unsatisfactory because they reach their maximum life expectancy.

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 2022, including a description of the remediation taken.

The City has not replaced any transmission poles for the calendar year 2022.

Below please see the details for the distribution inspection report:

Inspected: 490

Satisfactory: 148

Unsatisfactory: 342

Replaced: 316

Pending replacement: 26

The poles have been replaced in the following order:

One hundred and thirty-one 40'/4 wood poles with 45'/2 wood poles

Forty-eight (48) 45'/3 wood poles with 45'/2

Fifty-five (55) 40'/4 wood poles with 50'-5kip ductile iron poles

Twenty (20) 40'/4 wood poles with 50'/1 wood poles

Sixteen (16) 55'/3 wood poles with 55'- 8kip ductile iron

Eleven (11) 50'/3 wood poles with 55'/8kip ductile iron

Eleven (11) 50'/2 wood poles with 55'/8kip ductile iron

Six (6) 50'/3 wood poles with 50'/1 wood poles

Six (6) 45'/3 wood poles with 45'/1 wood poles

Two (2) 40'/4 wood poles with 50'/1 wood poles

Ten (10) 35'/4 wood poles with 35'/2 wood poles

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.

CLWBU has an ongoing management plan and has entered into a line clearance contract with Davey Tree Experts. Trees are trimmed to obtain maximum clearance considering rate of tree growth, symmetry, tree health, and the rights and interests of property owners and the public. A minimum

clearance of ten (10) feet in any direction from CLW conductors is obtained. The contractor attempts to obtain permission from property owners to remove trees described in the following categories:

- Small trees which the property owner does not value, but which will require trimming in future years.
- Dead or defective trees which are a hazard to CLW conductors.
- Trees that are unsightly as a result of the necessary trimming and that have not chance for future development.
- Fast growing soft-wooded or weed trees located under or dangerously close to CLW conductors.
- Trees that are non-native, invasive, and subject to removal as declared by the Palm Beach County Resources Department.

Our reliability analysis demonstrates that our vegetation management practice is effective.

b) Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 2022.

The City has a 3- year trimming cycle for transmission and distribution feeders, and a 6- year trimming cycle for our overhead distribution laterals.

In addition, with the steps taken in section 4a are very effective in providing great reliability for our customers presently and in the future