Lake Worth Utilities Report
To the
Florida Public Service Commission

Pursuant to Rule 25-6.0343, F.A.C.
Calendar Year 2021

I. Introduction

City of Lake Worth
Utilities Administration
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Lake Worth, FL 33461

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2. Number of Meters served in calendar year 2021 - 27,870

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.

CLW performs a visual inspection of all transmission facilities based on a three-year cycle. All transmission poles are concrete and steel and no pole testing is performed.

CLW performs inspection of all distribution facilities on a three-year cycle that was completed in 2014. The pole inspection practices at CLW in 2021 was 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 2021.

As mentioned in section 3a, the City performed ongoing visual inspection on all of our one hundred fourteen (114) 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 2021 and the reason for the failure.

All the transmission poles are in good conditions, and seventy 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 2021, including a description of the remediation taken.

The City has not replaced any transmission poles for the calendar year 2021.
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 it's vegetation management practices are sufficient.

CLW 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 are effective.

b. Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 20021.

We have in place a 3-year trimming cycle for transmission and distribution feeders, and a 6-year trimming cycle for our overhead distribution laterals. This In addition with the steps taken in section 4a are very effective in providing great reliability for our customers presently and in the future.