

City of Green Cove Springs
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2020

1) Introduction

- a) Green Cove Springs Electric Utility
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- c) Contact information:
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2) Number of meters served in calendar year 2020.

4,395

3) Standards of Construction

a) National Electric Safety Code Compliance

Construction standards, policies, guidelines, practices, and procedures at the City of Green Cove Springs comply with the National Electrical Safety Code (ANSI C-2) [NESC]. For electrical facilities constructed on or after January 1, 2017, the 2017 NESC applies. The edition of the NESC in effect at the time of the facility's initial construction governs electrical facilities constructed prior to January 1, 2017.

b) Extreme Wind Loading Standards

Construction standards, policies, guidelines, practices and procedures at the City of Green Cove Springs are guided by the extreme wind loading standards specified by Figure 250-2(d) of the 2017 edition of the NESC for new construction.

The City of Green Cove Springs is participating in the Public Utility Research Center's (PURC) granular wind research study through the Florida Municipal Electric Association. We continue to self-audit and evaluate our system to determine any immediate needs for system upgrades and hardening in specific areas. We will monitor the results of this research to determine the most appropriate response for system upgrades and hardening.

c) Flooding and Storm Surges

Electrical construction standards, policies, guidelines, practices, and procedures at the City of Green Cove Springs address the effects of flooding and storm surges on underground

distribution facilities and supporting overhead facilities. The City lies adjacent to the St. Johns River and as such could come under the coastal category. All facilities are installed a minimum of 8 inches above the roadway with appropriate grading to prevent erosion.

d) Safe and Efficient Access of New and Replacement Distribution Facilities

Electrical construction standards, policies, guidelines, practices, and procedures at the City of Green Cove Springs provide for placement of new and replacement distribution facilities to facilitate safe and efficient access for installation and maintenance. All new residential development is required to be of an underground feed design, even in existing overhead areas. Commercial applications require truck access to the facility and feeder main lines. All facilities are installed so that City facilities are accessible by its crews and vehicles to ensure proper maintenance/repair is performed as expeditiously and safely as possible. The City of Green Cove Springs decides on a case-by-case basis whether existing facilities need to be relocated. If it is determined that facilities need to be relocated, they will be placed in the safest, most accessible area available.

e) Attachments by Others

Attachment policies, guidelines, practices and procedures at the City of Green Cove Springs are covered by City Ordinances and Joint-Use Agreements with CATV and telephone entities. The pole attachment agreements between The City of Green Cove Springs and third-party utilities include language which specifies that the third-party utility, not the City, has the burden of assessing pole strength and safety before they attach to the pole. The City of Green Cove Springs performs follow-up audits of attachments to ensure the attachment is properly installed and maintained.

4. 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 Green Cove Springs does not own or operate transmission facilities as defined by 69 kV and above. During calendar year 2020, City of Green Cove Springs replaced 137 wood poles. The City of Green Cove Springs will continue to inspect electric distribution poles annually.

b) Describe the number and percentage of transmission and distribution inspections planned and completed for 2020.

In 2020, the City of Green Cove Springs planned to inspect 25% of their distribution wood poles and replace poles that were determined could jeopardize system reliability. During this period 137 wood poles were replaced (10%).

c) Describe the number and percentage of transmission poles and structures and distribution poles failing inspection in 2020 and the reason for the failure.

In 2020, 85 poles (10% of those inspected) were replaced due to failed inspections, due to base rot and wood decay.

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 2020, including a description of the remediation taken.

Replaced 137 Class II wood poles. Quantity and sizes are as followed 17 – 35', 16 – 40', 9 – 45', 85 – 50', 2 – 55', 4 – 60, and we replaced 4 with concrete poles as follow 2 – 55', 2 – 60'.

5. 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 rights-of-way or easements, and an explanation as to why the utility believes its vegetation management practices are sufficient.

The City of Green Cove Springs contracts annually to trim 100% of our entire system three-phase primary circuits including all sub-transmission and distribution feeder facilities. Problem trees are trimmed and removed as identified.

b) Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 2020.

A 100% of Green Cove Springs distribution three-phase primary circuits were trimmed in 2020. Areas of high growth are identified and concentrated efforts though revolving inspections dictate those areas for repetitive trimming cycles. The scheduled trimming cycle for 2020 began January 1, 2020. The Public Utility Research Center has held two vegetation management workshops in 2007 and 2009. Through FMEA, The City of Green Cove Springs has a copy of their reports and will use the information to continually improve vegetation management practices. We will participate in future best-practice workshops if there is interest.

6. Storm Hardening Research

The City of Green Cove Springs is a member of the Florida Municipal Electric Association (FMEA), which is participating with all of Florida's electric utilities in storm hardening research through the Public Utility Research Center at the University of Florida. Under separate cover, FMEA is providing the FPSC with a report of research activities. For further

information, contact Amy Zubaly, Executive Director, FMEA, 850-224-3314, ext.1001, or azubaly@publicpower.com.