

City of Green Cove Springs
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2018

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 2018

4,195

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 February 1, 2012, the 2012 NESC applies. Electrical facilities constructed prior to February 1, 2012, are governed by the edition of the NESC in effect at the time of the facility's initial construction.

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 2002 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 so as 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 attachers include language which specifies that the attacher, 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 2018, we replaced 75 poles while completing capital projects. We also completed pole inspections on approximately 1,400 poles (30% of our total pole count) and replaced 77 that were marked to be replaced. We will continue to inspect and replace poles over the next three (3) years. After that, we will begin a more regular pole inspection program.

b) Describe the number and percentage of transmission and distribution inspections planned and completed for 2018.

In 2018, the City planned to inspect 25% of our poles and replace up to 10% of them. We actually inspected approximately 1,400, or 30%, and replaced 77 (6%) marked for replacement.

c) Describe the number and percentage of transmission poles and structures and distribution poles failing inspection in 2018 and the reason for the failure.

In 2018, 77 poles (6% of those inspected) were replaced due to failed inspections, due to rot and split tops.

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 2018, including a description of the remediation taken.

We replaced 77 Class II wood poles. They included 4 – 35', 34 – 40', 22 – 45', 12 – 50', 2 – 60', and 3 – 65'.

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 right-of-ways 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 2018.

100% of our system three-phase primary circuits were trimmed in 2018. laterals were trimmed by City crews as time allowed. The scheduled trimming cycle for 2018 began January 1, 2018. 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.1, or azubaly@publicpower.com.