

**Town of Havana Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2016**

1) Introduction

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2) Number of meters served in calendar year 2016

1,448

3) Standards of Construction

National Electric Safety Code Compliance

Construction standards, policies, guidelines, practices, and procedures at the Town of Havana comply with the National Electrical Safety Code (ANSI C-2) [NESC]. For electrical facilities constructed on or after February 1, 2007, the 2007 NESC applies. Electrical facilities constructed prior to February 1, 2007, are governed by the edition of the NESC in effect at the time of the facility's initial construction.

b) Extreme Wind Loading Standards

At this time, the Town of Havana's existing facilities are not designed to be guided by the extreme wind loading standards on a system-wide basis. The Town of Havana 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

The Town of Havana is a non-coastal utility, therefore, storm surge/flooding is not an issue.

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

Electrical construction standards, policies, guidelines, practices, and procedures at the Town of Havana provide for placement of new and replacement distribution facilities so as to facilitate safe and efficient access for installation and maintenance. Wherever new facilities are placed (i.e. front, back or side of property), all facilities are installed so that the Town of Havana's facilities are accessible by its crews and vehicles to ensure proper

maintenance/repair is performed as expeditiously and safely as possible. The Town of Havana 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

The pole attachment agreements between The Town of Havana and third-party attachers include language which specifies that the attacher, not the Town of Havana has the burden of assessing pole strength and safety before they attach to the pole. The Town of Havana 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.

We have a small system with only 1,173 poles. Our electrical superintendent inspects our distribution lines, poles and structures several times per year. He inspects our poles with the Sound and probe method. He documents this process by completing pole and system change-out forms.

b) Describe the number and percentage of transmission and distribution inspections planned and completed for 2016

Our electrical superintendent inspects our system continuously. He completed an inspection of 100% of the system (as planned) in 2016.

c) Describe the number and percentage of transmission poles and structures and distribution poles failing inspection in 2016 and the reason for the failure.

Eight of our poles or .68 percent were replaced as a result of his inspection. Five hundred feet of our overhead transmission lines were required to be replaced.

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 2016, including a description of the remediation taken.

Three 35' Class 4 and Five 30' Class 4 poles for a total of 8 were replaced. Five hundred feet of secondary conductor from our overhead transmission were replaced due to old age.

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 Town of Havana's vegetation management policy is formalized. The Town's utility crew is responsible for trimming vegetation along our distribution system. We have written guidelines on vegetation management for them to follow in addition to them relying upon their expertise in knowing the best management practices in this field. We believe our vegetation management practices are sufficient in that our outages due to limb damage are at a minimum. Our policy calls for a third of our system to be maintained each year.

Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 2016.

This year we trimmed 33% of our system which is our normal policy. The Public Utility Research Center has held two vegetation management workshops in 2007 and 2009. Through FMEA, the Town of Havana 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 Town of Havana 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, Interim Executive Director, FMEA, 850-224-3314, ext.7, or azubaly@publicpower.com.