

City of Fort Meade
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2017

1) Introduction

- a) City of fort Meade

- b) 8 West Broadway Ave Fort Meade Florida 33841

- c) Jackie Cannon Electric Department superintendent
863-285-1119 ext. 222
jcannon@cityoffortmeade.com

2) Number of meters served in calendar year 2017
2640

3) Standards of Construction

a) National Electric Safety Code Compliance:

Policies, practices, and procedures at the city of fort Meade comply with the national electrical safety code (*ANSI C-2*) [*NESC*]. For electrical facilities constructed on 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

Construction standards, policies, practices, and procedures at the city of fort Meade are guided by the extreme wind loading standards specified by figure *250-2(D) of the 2002* edition of the *NESC* for (1) new construction 2) major planned work, including expansion, rebuild or relocation of existing facilities, assigned on or after December 10 2006 and 3) targeted critical infrastructure facilities and major thoroughfares.

The city of fort Meade is also participating in the public utility research centers (PURC) granular wind research study through the Florida municipal electrical association.

c) Flooding and Storm Surges

Electrical construction standards policies, practices, and procedures at the city of fort Meade address the effects of flooding and the storm surges on underground distribution facilities and supporting overhead facilities.

City of fort Meade is also participating in the public utility research center's (PURC) study on the conversation of overhead electric facilities to underground and the effectiveness our undergrounding facilities in preventing storm damage outages through the Florida municipal electrical association.

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

Electrical construction standards policies, practices, and procedures at the city of fort Meade provide for placement of new and replacement distribution faculties so as to facilitate safe and efficient access for installation and maintenance, whenever new facilities are placed (i.e. front back or side of property),all facilities are installed so that the city of fort Meade's facilities are accessible by its crews and vehicles to ensure proper maintenance/repair is performed as expeditiously and safely as possible. The city of fort Meade decides on a case by case basis whether existing needs to be relocated, they will be placed in the safest, most accessible area available.

e) Attachments by Others

Electrical construction standards policies, practices, and procedures at the city of fort Meade include written safety, pole liability, pole loading capacity, and engineering standards and procedures for attachments by others to the utility's electric transmission and distribution poles we inspect these attachments on an eight-year cycle

4. Facility Inspections

a) Policies, guidelines, and procedures for inspecting transmission distribution lines, poles, and structures:

The city of fort Meade has developed am implemented an eight-year inspection program for our electrical system. The visual and sound and probe technique are used in the inspections.

b) Number and percentages of transmission and distribution lines, poles and structures:

The city of fort Meade has distribution lines only. The city of fort Meade replaced 67 poles for the calendar year 2017. Thirty of the 67 was hurricane Irma damage.

- 32 – 30 class 5
- 11 – 35 class 5
- 5 – 40 class 4
- 17- 45 class 5
- 2 - 55 class 3

c) Number and percentages of transmission poles and structures and distribution poles failing inspections and the reason for failure:

The city of fort Meade has 2,750 poles distribution poles only. The city had (25) poles approximately 1.0% of the total number of poles. The poles failed inspection for the following reasons:

- (1) age deterioration
- (2) animal infestation (wood boring birds).

d) Number and percentages of transmission poles and structure and distribution poles by pole type and class of structure replaced or for which remediation was taken after inspection including a description of the remediation taken:

City of Fort has distribution poles only.

5. Vegetation Management

- a) 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 fort Meade has developed and implemented a three-year inspection program for our electrical system. The city has a low outage rate due to trees.

b) Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 2012:

- The city of fort Meade has completed approximately 30 % of trimming in our system.
- The city had 122 outages reported in 2017.
- There were 24 outages due to tree vegetation.
- The percentage of outages due to tree vegetation was 20%.

6. Storm Hardening Research

The city of fort Meade is a member of the Florida municipal electrical 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.