

City of Mount Dora
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2021

1. Introduction

- a. Name of city/utility

City of Mount Dora

- b. Address, street, city, zip

900 North Donnelly Street
Mount Dora, FL 32757

- c. Contact information: Name, title, phone, fax, email

Mr. Steve Langley
Electric Utility Director
Phone: (352) 735-7155, ex 1815
Fax: (352) 735-1539
Email: langleys@cityofmounddora.com

2. Number of meters served in calendar year 2021

Approximately 6,001 Customers

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.**

The City electric system consists of distribution lines, poles, and structures – it owns no transmission facilities. Since its service territory is relatively small, the Electric Department has been able to make visual inspections of its six distribution feeders on an annual basis. Wood poles are visually inspected for cracks and a sounding technique is used to determine potential wood rot. On December 5, 2017, the City engaged a contractor to inspect and treat all wood poles in the electric service territory. This project was completed in 2019 and the City used the inspection results to establish a replacement priority.

The City also makes comprehensive field inspections of its distribution lines, poles, and structures. The program consists of an annual field inspection of all six of the City's six distribution feeders, documented with a field report that identifies the

following situations:

1. Pole Maintenance Items
2. Vegetation Maintenance
3. Transformer Maintenance
4. CATV Joint Use Attachment
5. Communications Joint Use Attachment

Once the field inspection reports have been completed, City staff goes back to each pole and makes the identified repairs. The City typically schedules the annual field inspections during the first quarter to enable a majority of repairs to be completed before hurricane season. If a third-party pole attachment appears damaged or does not meet NESC clearance requirements, the City notifies the respective party in writing.

To supplement the annual field inspections, the City makes additional inspections before the arrival of adverse weather events, such as hurricanes and tropical storms. The pre-storm inspections utilize the same inspection form as the annual field inspection.

Some of the City's distribution lines are attached to 69 kV transmission poles owned by Duke Energy. Any observed problems with the transmission poles are reported directly to Duke Energy.

The City utilizes a GIS mapping system for its electric distribution system. The GIS system is now being used to map and manage all of the City's distribution facilities including wood and concrete poles, attached hardware, pole attachments by other entities, and underground electrical facilities.

b) Describe the number and percentage of transmission and distribution inspections planned and completed for 2021.

The City completed its annual field inspections of its six distribution system during 2021. The City owns no transmission facilities so no inspections were made.

c) Describe the number and percentage of transmission poles and structures and distribution poles failing inspection in 2021 and the reason for the failure.

Pole inspections are conducted by the City on an eight (8) year cycle. The past inspection during 2017 all poles were inspected with corrective measures being complete. The next inspection is planned in 2025.

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 remediated all of the issues identified in the annual field inspection and has replaced installed additional poles shown in the data below.

The City attaches its distribution circuits to certain Duke Energy 69 kV transmission poles that are within the City's electric service area. Of the 90 transmission poles, 34 are wood. Duke Energy has an on-going program of replacing its older wood poles with steel poles. While these transmission poles are not owned by the City, the pole replacement program improves the ability of the City's distribution system to better withstand storm events since its distribution circuits attach to the poles. Moreover, hardening the two Duke Energy 69 kV transmission circuits that feed the Mount Dora Substation improves overall reliability.

The following table lists all wood poles that were replaced / installed with concrete, fiberglass, or steel poles in 2021:

Description	Number of Poles at 1/01/21				Wood Pole Replacements Count	Added Poles Count	Removed Poles Count	Number of Poles at 12/30/2021	
	Original Count	Inventory Adjustment ⁽¹⁾	Revised Count	% of Total Poles				Count	% of Total Poles
Wood Poles									
25 foot	143	0	143	4.9%				143	4.9%
30 foot	637	0	637	22.0%	1			638	21.9%
35 foot	38	0	38	1.3%	1			39	1.3%
40 foot	437	0	437	15.1%	6			443	15.2%
45 foot	453	0	453	15.7%				453	15.5%
50/55 foot	0	0	0	0.0%				0	0.0%
Duke Energy Transmission ⁽²⁾	34	0	34	1.2%				34	1.2%
Total Wood Poles	1,742	0	1,742	60.3%	8	0	0	1,750	60.0%
Concrete/Fiberglass/Steel Poles									
30 foot	469	0	469	40.9%				469	40.1%
35 foot	0	0	0	0.0%				0	0.0%
40 foot	229	0	229	20.0%				229	19.6%
45 foot	387	0	387	33.7%				387	33.1%
50/55 foot	6	0	6	0.5%		22		28	2.4%
Duke Energy Transmission ⁽²⁾	56	0	56	4.9%				56	4.8%
Total Concrete/Fiber/Steel	1,147	0	1,147	39.7%	0	22	0	1,169	40.0%
Total Poles:	2,889	0	2,889	100.0%	8	22	0	2,919	100.0%
(1) The number of poles in the table were adjusted to reflect field inventory updates for the GIS mapping system.									
(2) Duke Energy Transmission Poles within the City's electric service area.									

The City owns no transmission facilities.

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 its vegetation management practices are sufficient.**

The City's Electric Division trims trees on a 12 month cycle using an outside contractor with a two-man crew working 40 hours per week. This contractor focuses on clearing vegetation that could adversely impact the reliability of the City's electric distribution system and to insure compliance with the NESC. In addition to the contractor crew, the City employs one two-man crew that is continuously trimming trees and reducing vegetative growth throughout other parts of the City. In some situations, the City crew assists the contractor crew in trimming or removing large trees.

The City routinely removes limbs from trees located outside road right-of-ways or easements that could create clearance problems for its overhead distribution circuits. The City has also removed entire trees in such locations if those trees threaten overhead distribution circuits (usually dead trees in danger of falling).

The City believes that its vegetation management practices result in high reliability because it trims trees on a 12 month cycle, which is much more frequent than the practices of other Florida electric utilities.

The City owns no transmission facilities.

- b) **Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 2021.**

The City Electric Division trimmed trees on a 12 month cycle using an outside contractor with a two-man crew working 40 hours per week. The City also removed limbs from trees located outside road right-of-ways or easements that could create clearance problems for its overhead distribution circuits.

The City owns no transmission facilities.