

Report to the Florida Public Service Commission Pursuant to Rule 25-6.0343, F.A.C.

Calendar Year 2021

1. Introduction

- a) Central Florida Electric Cooperative, Inc.
- b) PO Box 9
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Chiefland, Florida 32644
- c) Contact information:
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- d) Central Florida Electric Cooperative, Inc., is an electric distribution cooperative in north central Florida, serving approximately 35,173 services as of year-end, 2021. The Cooperative maintains 3,972 miles of overhead distribution line, 356 miles of underground distribution line, and 43 miles of transmission line. Central Florida Electric Cooperative, Inc. serves consumers in Alachua, Dixie, Gilchrist, Lafayette, Levy and Marion Counties. The Cooperative operates 16 distribution substations, purchasing power at 69 kV from Seminole Electric Cooperative, Inc., a statewide cooperative power supplier.
- e) The Cooperative's service territory, located in the "Big Bend" area of Florida, is flanked by the Gulf of Mexico on the west; Tri-County and Clay ECI's to the north and northeast; and Sumter and Withlacoochee ECI's to the south and southeast. Much of the area is rural, where small farms, multiple dairies, and timberlands are the predominant land usage. There are several relatively small urban areas within the service area, along with some "pockets" of residential development.

The service area is bisected by U.S. Highway 19 & 98, which runs from the northwest to the southeast, and by U.S. Highway 27A, which runs west to east.

2) Number of meters served in calendar year 2020:

35,173 connected meters.

3) Standards of Construction:

- a) National Electric Safety Code Compliance:

Construction standards, policies, guidelines, practices, and procedures at Central Florida Electric Cooperative, Inc. comply with the National Electrical Safety Code (ANSI C-2)

[NESC]. For electrical facilities constructed on or after January 1, 2021, 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, 2021.

b) Extreme Wind Loading Standards:

The wind standard for the Central Florida Electric Cooperative, Inc. facilities is between 100 mph inland and 130 mph at the coast. At this time, Central Florida Electric Cooperative, Inc. facilities are not designed to be guided by the extreme loading standards on a system wide basis. Central Florida Electric Cooperative, Inc. is participating in the Public Utility Research Center's (PURC) granular wind research study through the Florida Electric Cooperative Association. We continue to self-audit and evaluate our system to determine any immediate needs for system upgrades and hardening in isolated areas, but at this time we do not have sufficient data to substantiate the effort and cost of making major upgrades to our system. We do look at projects on a case-by-case basis for evaluation for upgrades and hardening. Attached is a report updating the activities of PURC and its Steering Committee.

c) Flooding and Storm Surges:

Central Florida Electric Cooperative, Inc. is in a constant evaluation of our standards, policies, guidelines, practices and procedures that address the effects of flooding and storm surges on underground facilities and supporting overhead facilities. Central Florida Electric Cooperative, Inc. is participating in the Public Utility Research Center's (PURC) study on the conversion of overhead electric facilities to underground and the effectiveness of undergrounding facilities in preventing storm damage and outages through the Florida Electric Cooperative Association. Attached is a report updating the activities of PURC and its Steering Committee.

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

Electrical construction standards, policies, guidelines, practices, and procedures at Central Florida Electric Cooperative, Inc. 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 or side of property), all facilities are installed so that Central Florida Electric Cooperative, Inc.'s facilities are accessible by its crews and vehicles to ensure proper maintenance/repair is performed as expeditiously and safely as possible. Central Florida Electric Cooperative, Inc. does not install facilities in the rear of property. Central Florida Electric Cooperative, Inc. 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:

Electrical construction standards, policies, guidelines, practices, and procedures at the Central Florida Electric Cooperative, Inc. include written safety, pole reliability, pole loading capacity, and engineering standards and procedures for attachments by others to the utility's electric transmission and distribution poles. By pole attachment agreement, we ensure attachments to our poles comply with the above before we approve pole attachment permits.

4. Facility Inspections

- a) It is the policy of Central Florida Electric Cooperative, Inc. to inspect all of its transmission facilities with its crews on a yearly basis. All distribution poles are inspected or repaired at the ground line by contractors or in-house crews within a planned 9-year program. Poles are replaced by Central Florida Electric Cooperative, Inc. crews or contractors if found deteriorated beyond repair.
- b) Central Florida Electric Cooperative, Inc. planned and inspected forty-three miles of transmission in 2021. Central Florida Electric Cooperative, Inc. contractors completed a ground-line inspection and treatment of 10,359 distribution poles in 2021. This was approximately 12.02% of all distribution poles in the system. Central Florida Electric Cooperative, Inc. obtained a contractor for 2022 and, approximately 9,477 poles (10.85%) are planned to be inspected in 2022.
- c) Out of the 10,359 distribution poles inspected in 2021, 53 were found to be deteriorated and are scheduled for replacement, a 0.51% rejection rate.

5. Vegetation Management

- a) Central Florida Electric Cooperative, Inc. is currently on a 5-year right-of-way vegetation clearance plan. Trees are trimmed or removed within 15 feet of all main lines, taps, and guys. Dead trees, which could fall on the line from outside of our easements, are downed. Vines are cut from poles, guys and lines. In 2021, 655 miles of the approximately 3,972 miles of primary overhead-line on the system were trimmed.

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Replacement of Poles

In 2021, 619 poles were replaced; below is the replacement schedule:

From	30-6	30-7/30-6	30-7/30-6	30-7/30-6	35-6/35-5	35-5	35-6/35-5	35-6/35-5	35-6/35-5	35-6/35-5	35-6/35-5
To	30-6	30-7/30-6	35-6/35-5	40-5	35-6/35-5	35-5	40-5	45-3	50-3	55-2	
Qty	69	31	1	1	8	9	340	9	4	1	

40-1	40-3	40-4	40-4	40-4	40-5	40-5	40-5	40-5	40-5	40-5	45-3	45-4	45-4	50-3	65-1
40-5	45-3	40-5	45-3	55-2	40-5	40-3	45-4	45-5	50-3	55-2	45-3	45-4	40-5	50-3	65-1
1	1	1	4	1	115	1	2	2	9	1	2	3	1	1	1