Jacksonville, Florida / JEA
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2022

1) Introduction

a) Jacksonville, FL / JEA

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2. Number of meters served in calendar year 2022

JEA served approximately 513,188 electric meters in 2022.

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.

Distribution - JEA continues to perform a visual inspection on an 8 year cycle on all poles and associated equipment such as conductor, insulators, arrestors, cross arms, transformers etc. Ground resistance (ohms) is measured on equipment ground rods. JEA uses the NESC standards for wood decay and reject status for the wood poles. Guided by nearly 10 years of accumulated data and experience, wooden poles older than 20 years are inspected at and below ground level with an IML Resistograph micro drill. This process detects unseen decay below ground without damaging the pole or disturbing the soil. Corrective maintenance is initiated as required on any device or pole found defective.

Transmission - JEA owns and maintains 240KV, 138KV and 69KV transmission circuits. Every transmission circuit is inspected on a 5-year cycle with the exception of "critical" N-1, 240KV circuits which are inspected on a 2-year cycle. JEA inspects on average

approximately 20 transmission circuits per year. JEA's transmission circuit inspections are performed in accordance with the JEA "Transmission Circuit Inspection Practices and Procedures" manual. JEA utilized a contractor to perform transmission circuit inspections prior to February 2013. In February 2013 JEA created, equipped, and staffed a five (5) man, one (1) foreman, "Transmission Crew" and self-performed transmission circuit inspections until October 2016 when JEA began utilizing a contractor to perform circuit inspections again.

b) Describe the number and percentage of transmission and distribution inspections planned and completed for 2022.

Distribution - During calendar year 2022, JEA planned to inspect 15,000 poles, approximately 12.5% of the nearly 120,000 poles. JEA actually inspected 16,285 (14%) poles.

Transmission - JEA is currently using a 5 year transmission circuit inspection cycle except for three (3) critical N-1 circuits. JEA completed 30 (1944 structures) circuit inspections in calendar year 2022. 1 of the 30 circuits inspected were critical N-1 circuits.

c) Describe the number and percentage of transmission poles and structures and distribution poles failing inspection in 2022 and the reason for the failure.

Distribution - Based on 2022 inspections JEA identified 1,659 defective distribution poles for replacement, a defect rate of 9.8%. Approximately 14.5% of the failures have ground decay, 92% of the failures have pole top decay or damage and .6% have middle decay or other damage such as damage caused by wildlife. Some poles have a combination of these defects.

Transmission - Based on the 2022 inspections, 78 poles were identified requiring replacement. 3- 230 KV (wood)) poles need replacement, 3- 230 kV (concrete) poles need repairs due to lightning. 6 -138 KV (steel) poles need replacement, 2- 138 kV (concrete) poles need repairs due to lightning damage. 69- 69kV (wood) poles need replacement, 90- 69 kV (wood) poles needed repairs due to woodpecker damage and 8- 69 kV (concrete) poles need repairs due to lightning.

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 2022, including a description of the remediation taken.

Distribution – Based on 2022 Inspections: The poles listed as emergency poles (approx. .2%) are replaced immediately. The priority 2 poles are put on a list and scheduled for repair. In 2022, 2,101 poles were replaced.

Transmission – Based on previous circuit inspections: JEA replaced 33 poles (approximately .005% of all transmission poles-33/6074), 27 being 69 KV (wood) transmission poles and 6 being 138 KV (wood) poles and 0 being 230 KV (wood) poles in 2022. 0 poles were identified for replacement in 2022, but 1 of the 69 KV (wood) poles were replaced immediately due to a vehicle accident (approximately 0.00016% of all transmission poles). 0 poles were replaced in 2022 due to 2022 inspections.

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.

Transmission - JEA maintains transmission line clearances and reporting in accordance with the NERC Reliability Standard FAC-003 requirements. JEA Transmission and Forestry staff personnel review, make recommendations, and approve or deny landscape plans submitted on transmission easements.

Distribution - JEA has maintained a 2.5-year trim cycle on feeder and lateral circuits until since October 2006. In addition, mowing, handcutting, and herbicides are used where appropriate in order to manage fast growing, tall woody vegetation. JEA staff is actively involved with local, state, and national tree care professional organizations and advocacy groups for training as well, as informing, educating, and supporting customers and citizens.

b) Describe the quantity, level, and scope of vegetation management planned and completed for transmission and distribution facilities in 2022.

Transmission- All transmission corridor were inspected in order to create a work plan for vegetation maintenance such as mowing, pruning and removal of incompatible vegetation. All corridors that are compatible for mowing were mowed in 2022.

Distribution- HEA pruned 1161 circuit miles in 2022.