Utilities Commission, City of New Smyrna Beach, DBA New Smyrna Beach Utilities
Report to the Florida Public Service Commission Pursuant to
Rule 25-6.0343, F.A.C.
Calendar Year 2022

1. Introduction

b) Utilities Commission, City of New Smyrna Beach, DBA New Smyrna Beach Utilities (NSBU)
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2. Number of meters served in calendar year 2022

a) The New Smyrna Beach Utilities (NSBU) served an average of 30,827 customers during 2022 calendar year.

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 NSBU contracts with Osmose Utilities Services to inspect all transmission and distribution poles and structures as part of an eight-year inspection program. The NSBU has approximately 12,000 electric distribution poles and 420 transmission poles.

In addition, transmission, distribution and substation facilities are inspected as part of our regular inspection and maintenance programs. Deficiencies are recorded and corrective maintenance plans are scheduled for repair or replacement of defective items.

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

Transmission Poles

Osmose Utility Services Inspections of all NSBU transmission poles were completed in 2012 & 2017. No inspections of transmission poles were planned for 2022. The next inspection cycle starts in 2023.

Distribution Poles

In 2022, the annual Osmose Utility Services inspection planned and completed was 1,597 distribution poles or approximately 13% of the NSBU electric distribution poles.

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

Transmission Poles

None

Distribution Poles

In 2022, the NSBU Osmose inspected 1597 distribution poles. This constitutes 13% of all NSBU electric distribution poles. Inspection results for 1597 poles in 2022 were as follows:

- 1,508 poles had no decay (94.4% of poles inspected)
- 67 poles had decay but were serviceable (4.2% of poles inspected)
- 22 poles were rejected poles with groundline & above ground decay (1.4% of poles inspected)

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.

Transmission Poles - None

2022 Distribution Pole Remediation Action Plan

Number of Poles	Pole Size (ft)	Pole Class	Remediation Action
2	30	3	Replacement
1	30	4	Replacement
10	30	5	Replacement
5	30	6	Replacement
5	30	7	Replacement
6	35	4	Replacement
15	35	5	Replacement
1	40	2	Replacement
2	40	3	Replacement
21	40	4	Replacement
12	40	5	Replacement
3	45	3	Replacement
5	45	4	Replacement

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.

In 2021, the NSBU transitioned its tree trimming program to a three-year cycle programmatic power line clearing plan for all of our distribution overhead facilities (mains and laterals). The program includes professional mowing, trimming, clear cutting of Right of Way (ROW)/Easements and removal of trees and other vegetation which is near energized transmission and distribution power lines.

The NSBU vegetation management program is following industry standard vegetation management practices and procedures (ASNI A300(Part 1)-2001, ANSI Z133.1-2000, NESC Rule 218 and NERC Standard FAC-002-2), as applicable to the weather, vegetation species and growth patterns in New Smyrna Beach, Florida. The vegetation management programs NBSU is employing is consistent with electric utility industry vegetation management best practices.

In 2022, the NSBU transmission lines, right of ways and easements were also put on a three-year, programmatic schedule similar to the distribution line program.

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

As part of its three-year cycle of planned vegetation management activities, in 2022 the NSBU vegetation management contract crews completed trimming and clearing for 101.5-line miles of NSBU distribution lines. As background, clearing, trimming and mowing of 101.5 line miles constitutes approximately 44% of the NSBU overhead distribution lines.

Similarly, NSBU vegetation management contract crews completed 17.91 miles of trimming, clearing and mowing along its overhead transmission lines in 2022. As background, in 2021, 8.36 miles of transmission vegetation management was cleared, trimmed and mowed. The 2022 work represents completion of 100% of NSBU's transmission lines as part of the planned three-year cycle.