Wellsboro Electric Company

2021 Summer Readiness
5/6/2021

A. Reliability Enhancement Program

a. Enhanced Vegetation Management

The Company will perform a detailed inspection of 4 distribution circuits in 2021. This inspection will identify hazard trees to be removed by an approved tree trimming company or by Wellsboro Electric crews. Wellsboro has contracted with Jaflo to trim and remove hazard trees on 72.0 miles of the Charleston circuits.

b. Storm Hardening

The Company is continuing to test 1500-1600 poles each year under a Red Tag program. Any failures will be replaced the following year unless the failure is identified as requiring immediate replacement. These replacements will harden the distribution system during times of extreme weather consisting of high winds and heavy rains.

c. Fuses/Reclosers/Automatic Switches

Fusing is installed on single phase taps for new construction to protect the three phase lines during Summer storms. Wellsboro will have completed inspections of all automatic reclosers on the system for 2021 by the end of Summer, in accordance with Wellsboro Electrics I&M program. Wellsboro Electric does not use automatic switches. Fusing and the addition of reclosers will be evaluated as a need has been identified. Wellsboro will be replacing all mechanical reclosers with 3 phase vacuum reclosers and S&C Trip Savers over the next few years.

d. Smart Grid

Wellsboro Electric's goal in 2019 was met and at this time we are 100% automated with Aclara meters (Hourly).

e. Conservation Voltage Reduction (CVR) activity

N/A

f. New Programs/ New technology implementation

The Company continues to add new technology, AppSuite is now being used for inspection of our system as well as mapping for the outside crews. The inspection processes were implemented in 2020 for transformers (OH and UG) and line inspections were incorporated during the 2Q2020. A key outcome will be to identify porcelain items (cutouts, arrestors and dead-end bells). This will enable the Company to place a firm number on the porcelain material remaining in the system to then develop and implement a plan to replace it. The cataloging of porcelain devices will be completed by 4Q2021.

B. Preventative Maintenance Programs

a. Capacitor Inspections

Capacitors are inspected during the Company's overhead line inspection.

b. Vegetation Management

The company oversees the tree trimming bid work done on Wellsboro Electric's system to ensure the work is completed per the Company's specifications.

c. Substation Inspections

Substations are inspected monthly in accordance with the Company's inspection & maintenance program. Substations are inspected monthly with an infrared camera to identify hot spots. Any hot spots that are identified are reported and fixed ASAP.

d. Aerial Patrols

Wellsboro began performing aerial patrols in 2018 with drones for difficult to access ROW's on the distribution facilities. The patrols are performed by external vendors with flying expertise. Wellsboro Electric is working to import the collected data directly into our system. This will allow for any notes and pictures to be appended to the structure keeping a date and time stamp of when the activity was completed. This program will provide us with valuable information that cannot be seen from the ground.

e. Infrared Inspections

The Company inspects all major equipment (ex. regulators, ocr's) twice a year and Substations are inspected monthly. Junction poles are inspected during the line inspections performed each year according to the Company's approved I&M Plan.

f. UAV (drone) use

Refer to section d. Aerial Patrols.

C. Capacity Planning

Wellsboro has sufficient capacity in the Hilltop substation to double today's load (23 MW's). Individual circuits are monitored on the Company's distribution system and voltage conversions were completed in 2019 to increase reliability and increased capacity. Any remaining step down locations which are on the extremity of various circuits on the system will be looked at for conversion as it is warranted and makes sense. Additional system upgrades will be evaluated when new C&I customers express interest in electric service.

D. 2020/2021 Storm Update and Lessons Learned

The Company experienced one major spring storm on March 26, 2021 and zero summer storms.

E. 2021 Summer Readiness

a. Capacity Additions

In 2019, the voltage conversion completions to 12Kv enabled Wellsboro Electric to build the first two tie points on the system. The tie points have improved the reliability of critical load with the current infrastructure. During 2021, there will be additional tie point locations identified and built during the coming years to improve switching to isolate faults and bring blocks of customers back on-line safely and in a timely manner.

b. Transmission Preparedness

The Company does not own any transmission line.

c. Event Preparedness

Wellsboro Electric reviews storm procedures with company personnel. Material stock is evaluated periodically and is kept at appropriate levels for normal work. The Company maintains an emergency stock for larger events. The Company has a few customers that participate in the Demand Response Program to help PJM maintain transmission system integrity during events.

d. Training

The Company participates in PREA training for all levels of linemen and the Apprentice lineman participate in an online curriculum.

e. Personnel

Wellsboro will be fully staffed by May 2021 with the exception of one Journeyman lineman
The Company plans to maintain the complement of linemen at 7 in 2021.

F. Storm Response

a. Outage Restoration Strategy

The Company's restoration strategy is to restore customers power in a safe and efficient manner. Under larger storms we identify critical facilities (water, sewer, medical, shelters, etc.) to repair first, then three phase lines and finally single phase lines using internal/external line crews for repairs. We'll be identifying areas where group op switches can be installed to help isolate outage. The areas with an outage can then be sectionalized to get as many customers on-line ASAP and then work the problem and bring the final customers back when the problem has been fixed. The addition of vacuum reclosers in the future will improve the isolation process and keep customers on if a fault is cleared.

b. Communications and Outreach

The Company uses several forms of communications for routine daily updates including phone, newspaper, mailers and social media. The Company has a VP of Communications when larger events arise including storms. The Company has an outage map on our website that customers can access during an outage to see if an outage is impacting their area.

c. Outage Restoration and Storm Response Best Practices Implements and/or Identified for Future Implementation

Wellsboro participates with the EAP best practices group and incorporates changes that are relevant to the Company. The Company looks at ways to improve processes and procedures and then reviews it with Company personnel.

G. Covid-19

a. Impact on operations/ capital projects in 2020

Covid-19 impacted what we focused time and manpower on. With crews separated we still managed to complete all our required work in 2020. Our red tag poles, I&M work, fiber make ready, substation upgrades, and new services were considered critical work.

b. Overview of 2021 operations and capital projects and covid 19 protocols

For 2021 we have several capital projects planned they include building a new tie point, a line relocation, porcelain replacement, and installing new tripsavers. With a small crew we are able to follow covid protocol and still complete all required work.