

Wellsboro Electric Company  
2018 Summer Readiness  
5/15/18

**A. Reliability Enhancement Program**

**a. Enhanced Vegetation Management**

The company will perform a detailed inspection of 4 distribution circuits in 2018. This inspection will look for hazard trees to be removed by Asplundh or Wellsboro electric crew. We have also contracted with Asplundh to trim and remove hazard trees on 60 miles of our Dresser Feeder.

**b. Storm Hardening**

The Company is continuing to test 1500 poles each year. These failures are replaced with new in a timely manner. This has helped strengthen our system during times of strong weather.

**c. Fuses/Reclosers/Automatic Switches**

Proper fusing on the system is in place and added with new construction to protect portions of the line during summer storms. We have completed inspection of all automatic reclosers on the system for 2018, in accordance with Wellsboro Electric's inspection & maintenance program. Eight reclosers were replaced this year and will be sent in for rebuild. Wellsboro electric does not use automatic switches.

**d. Smart Grid**

The company continues to work towards the goal of a completely automated metering system. At this time, we are 97% automated and continue to change meters. The company is also working toward goals of improving our outage management system by improving mapping which in turn will help OMS and CIS work together at predicting outages.

**B. Preventative Maintenance Programs**

**a. Capacitor Inspections**

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

**b. Vegetation Management**

The company contracted with a Consulting Utility Forester who oversees the trimming work done on Wellsboro Electric's system to ensure the work is done correctly and completely.

**c. Substation Inspections**

Substations are inspected monthly in accordance with the company's inspection & maintenance program. Substations are now inspected with an infrared camera. If hot spots are found they are fixed immediately.

**d. Aerial Patrols**

The company doesn't conduct aerial patrols of distribution facilities.

**e. Infrared Inspections**

The company inspects all major equipment (ex. regulators, ocr's) twice a year. Substations are now inspected monthly with the Infrared camera.

### **C. Capacity Planning**

The company provides daily load data to PJM. Individual circuits are monitored on the company's distribution system.

### **D. 2016/2017 Storm Update and Lessons Learned**

The company experienced no major winter or summer storms.

### **E. 2017 Summer Readiness**

#### **a. Capacity Additions**

In 2016 our crew replaced almost 12,000 ft. of old underground wire. Which increased reliability of the Middlebury feeder.

#### **b. Transmission Preparedness**

The company does not own any transmission line.

#### **c. Event Preparedness**

The company is prepared with material stock at appropriate levels also the company has emergency stock for larger events. The company participates in an emergency response program with several utilities across the state in case there is need for extra help.

#### **d. Training**

The company participates in PREA trainings and is also establishing an online apprentice training program.

#### **e. Personnel**

The company is in the process of replacing a lineman at this time. The company has six journeyman and one apprentice. In the next 5 years we will only have one lineman eligible for retirement. Staffing levels will be maintained at 7 linemen.

### **F. Storm Response**

#### **a. Outage Restoration Strategy**

The company's restoration strategy is to restore customers power in the safest most efficient way possible. In larger storm situations foreign crews are brought in to help repair lines in a timely manner.

#### **b. Communications and Outreach**

The company uses several forms of communications including phone, newspaper, social media. Recently the company installed an outage map on our website that customers can access during an outage to see the outages effecting the area.

The company works with the local schools and businesses to promote electrical safety and teach the community about electricity.

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

The company participates with the best practices group and listens to suggestions made to improve restoration of outages in a storm situation.

**G. ASAI (Average Service Availability Index)**

- a. None calculated

**H. 2017 and estimate for 2018 Danger Trees (off right-of-way)**

**a. Average number of danger trees per circuit mile between substation and first protective device**

The company contracts with a consulting forester that manages the ROW trimming program number of danger trees per mile were not tracked. 60 miles of conductor or one circuit is trimmed annually and 4 other circuits are inspected for danger trees.

**b. Average number of danger trees per circuit mile on three phase lines after first protective device**

The company contracts with a consulting forester that manages the ROW trimming program number of danger trees per mile were not tracked. 60 miles of conductor or one circuit is trimmed annually and 4 other circuits are inspected for danger trees.

**c. Average number of danger trees per circuit mile on remainder of primary conductor**

The company contracts with a consulting forester that manages the ROW trimming program number of danger trees per mile were not tracked. 60 miles of conductor or one circuit is trimmed annually and 4 other circuits are inspected for danger trees.

**d. Estimate of number of man hours per circuit mile to gain permission to remove or trim danger trees**

The company contracts with a consulting forester who decides which trees are danger trees and gains permission to take down if necessary.

**e. Estimate of number of man hours to remove danger trees**

The company contracts with Asplundh Tree Experts to completely trim and remove danger trees from 60 miles of ROW per year. Man hours to remove danger trees are not tracked.

**f. Estimate of number of replacement trees planted per circuit mile**

The company did not replace any trees in 2017, and will replace 1 tree in 2018

