



Pike County Light & Power Company
2022 Summer Readiness Overview

1. COMPANY OVERVIEW

Pike County Light & Power Company (“PCL&P” or the “Company”) is an electric distribution company serving 4,919 customers. The Company is a wholly owned subsidiary of Corning Natural Gas Holding Company. PCL&P’s service territory covers two boroughs, and three townships including the county government seat in Milford.

The PCL&P service territory is fed from two 34.5 kV feeders that originate from the Orange and Rockland Utilities’ Deerpark Substation in New York. The Borough of Matamoras is served by two 13.2 kV feeders from the Matamoras Substation with backup tie capability to distribution circuitry from Orange and Rockland’s Port Jervis Substation. The Matamoras Substation is normally fed by a 34.5 kV feed from Bank “A”, with backup service being provided by a second 34.5 kV feed from Bank “B” through an automatic transfer scheme at the Matamoras substation. The western portion of the Pike service territory is a radial feed from the 34.5 kV circuit from Bank “B”.

2. RELIABILITY ENHANCEMENT PROGRAMS

2.1. Enhanced Vegetation Management

In recent years, the Company has increased its efforts to remove danger trees once identified. Danger trees within rights-of-way areas are removed as operating conditions permit, while those that exist outside of the Company's right-of-way areas can only be removed with customer or municipal approval. PCL&P works with the County Commissioners' office, the Boroughs of Matamoras and Milford, the Townships of Westfall and Milford, and the Milford Shade Tree Commission to address danger trees that represent a hazard to the Company's electrical system located within and outside of right-of-way areas. This program remains ongoing.

2.2. Storm Hardening

Pole inspection and defective pole replacement activities are ongoing programs that help harden PCL&P’s distribution system. Defective poles being replaced use PCL&P’s revised “pole class” specifications. The upgrade in the pole class and the replacement of state-of-the-art pole top apertures are more storm resistant.

2.3. Fuses/Reclosers/Automatic Switches

There are currently four reclosers on the 34.5 kV line feeding Milford and the western areas of the company’s service territory. These devices give PCL&P the ability to sectionalize the circuit thereby minimizing the number of customers affected during fault conditions. Each unit is visually inspected annually, prior to the summer peak period, and functionally tested every three years. These inspections verify the availability of the reclosers to operate as designed when system activity increases due to weather events or other external factors that can affect the distribution system.

2.4. Smart Grid

No Smart Grid technology has been installed on the 13 kV circuits in PCL&P's service territory, however, pole top reclosers and substation breakers are monitored and controlled by PCL&P's SCADA System.

2.5. Conservation Voltage Reduction (CVR) activity

PCL&P does not participate in any Conservation Voltage Reduction activity.

2.6. Any other relevant continual improvement activity

The defective pole program was temporarily suspended in 2021 due to Covid restrictions. The program will resume in 2022 with inspections of approximately 725 poles.

3. PREVENTATIVE MAINTENANCE PROGRAMS

3.1. Capacitor and Regulator Inspections

Pike uses a combination of seven fixed and automatically switched capacitor banks to maintain system voltage throughout the year. In addition, PCL&P has five voltage regulators to help maintain nominal system voltage level throughout peak and off-peak load cycles. These units will be tested to verify readiness for summer peak loading when the devices are needed most. The Company will be completing functional tests for regulators and capacitor banks during the summer of 2022.

3.2. Vegetation Management

The Company's vegetation management program consists of: (1) a not to exceed five-year scheduled preventive vegetation management cycle; (2) removal of danger trees/leaders when identified or requested by a municipality/customer; and (3) a hot spot trimming program that is applied as necessary.

Scheduled preventive vegetation management work was completed in the first quarter of 2022 on the 34.5 kV system. The Company will also focus closer attention to the growth of vines on its infrastructure during the summer of 2022. Excessive rainfall in the past several years has led to explosive growth of vegetation in the area and while vines may not necessarily cause outages, they can cause nuisance tripping of system protection devices.

3.3. Substation Inspections

Cycle substation maintenance in accordance with PCP&L's "Substation Maintenance and Inspection Program" was completed in October 2021. The ongoing monthly visual substation inspections will be completed as scheduled.

3.4. Aerial Patrol

PCL&P system was flown by a drone company for pole top inspection and all Interstate Route 84 highway overhead crossings poles 2021. Anomalies identified were catalogued and those in need of attention are being corrected in preparation for the summer season.

3.5. Infrared Inspections

The Company's infrared inspection will not be performed this year in 2022.

3.6. Any other relevant continual improvement activity

The Company inspects the overhead lines of the PCL&P distribution system every two-years. These inspections identify abnormal conditions and verify satisfactory transformer conditions. The distribution pole inspection program is on a twelve-year cycle and verifies pole strength and other attributes that could impact reliability. Between 2016, the transition year of ownership, the Company's vendor performed approximately 2,700 pole inspections, respectively, completing the 12-year cycle in 10 years. In 2021, no poles were inspected and in 2022, 725 poles will be inspected.

Due to the load growth in Pike County, in 2022 the company will also take load checks on step-down transformers during peak periods to ensure that the equipment is adequately sized for the load it is serving.

4. CAPACITY PLANNING

The Joint Agreement requires that PCL&P continue with the third phase of the project enhancements included in the PA PUC approved Electric LTTIP and has initiated an alternate energy supply study.

The alternate energy supply study was completed and submitted to the PUC in February 2018.

5. 2021 Storm Update and Lessons Learned

PCL&P experienced no storms that qualified as Major Events in 2021

6. SUMMER READINESS

6.1. Capacity Additions

The sale of PCL&P Company from ORU to Corning Natural Gas Company was completed on September 1, 2016. As part of the sale, the Company was required to initiate an energy supply study. The “Alternate Supply Study” was completed and submitted to the PUC as required on 2/28/18. The Company is currently re-evaluating and updating the alternate supply study.

6.2. Transmission Preparedness

PCL&P owns no transmission facilities.

6.3. Event Preparedness

The Company submitted an Electric Emergency Response Plan in March of 2019 that provides the guidelines to prepare and manage an electric event. The Company continually monitors weather conditions and forecasts throughout the year, especially since there have been cold weather Nor’easters and thunder/lighting storms year-round. Notifications to proper municipal authorities, outside restoration resources (including damage assessors, line crews and Corning support team) are made in preparation of anticipated events.

6.4. Training

The training programs will be part of the appropriate Corning Natural Gas programs for the PCL&P employees. In addition, specific training to PCL&P employees, associated with customer service and other management systems will participate in training, conducted on scheduled and/or on as needed basis to insure performance and uniformity.

The infrastructure upgrades and maintenance are performed by a contract workforce. The training of their employees will under their responsibility and documented in the contractor's EHASP.

6.5. Personnel sufficient

The Company reviews personnel needs on an ongoing basis as workloads and responsibilities change.

7. STORM RESPONSE

7.1. General

Since March of 2018, PCL&P responds to storms with the use of their fulltime in-house and outside electric line contractors, damage assessors, vegetation contractors, Corning Natural Gas employees and if necessary mutual aid. In addition, PCL&P's off-hour contractor call center will be activated to support utilizing its on CIS and outage management systems to allow PCL&P to manage their storms appropriately.

7.2. Communications and Outreach

The PCL&P team meets on ongoing basis with the local municipal and county government OEM personnel to review Emergency Response Plans and discuss updates in personnel, communication protocols and upcoming maintenance or project work.

7.3. Outage restoration/storm response best practices implemented and/or identified for future implementation

PCL&P has submitted the initial draft of the Electric Emergency Response Plan to PUC Audit and TUS Teams with some additional recommendations for feedback. The foundation of the Electric Emergency Response Plan follows ICS protocols. The General Manager is a participating member of a Pennsylvania Energy Association working group on "Storm Best Practices".

Once PCL&P implements contractor operations response teams it will apply the following general sequence for the restoration of the electric delivery system:

- Working with Municipalities, wires/trees down in heavy pedestrian areas or state or emergency service road closures and municipally reported wires down or road closures;
- Mainline restoration of 34.5 kV system which includes critical facilities, including hospitals, police and fire stations, water supply and sewage;
- Mainline restoration of 13.2 kV system includes police and fire stations, water supply and sewage
- All other wires down and road closures and all distribution circuit lockouts;
- All other affected customers prioritized laterals, service transformers and individuals.

This is incorporated with the implementation of damage assessment, vegetation removal and then electric repairs and restorations.