



**Pike County Light & Power Company
2021 Summer Readiness Overview**

June 2, 2021

Company Overview

Pike County Light & Power Company (“PCL&P” or the “Company”) is an electric distribution company (“EDC”) which has approximately 4,800 delivery customers. The Company is a wholly-owned subsidiary of Corning Natural Gas Holding Company (“CNGHC”). PCL&P’s service territory is comprised of two Boroughs and three Townships; including the County Government seat in Milford.

The PCL&P service territory is primarily fed from two 34.5 kV feeders that originate from the Orange and Rockland Deerpark Substation. 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 34.5kv feed from Bank “A”, with backup service being provided by a second 34.5kv from a 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 34.5kv circuit from Bank “B”.

A. Reliability Enhancement Programs

a. Enhanced Vegetation Management

The Company has been effective in removing danger trees. The Company trims or removes larger leaders on, or entirely removes danger trees within rights-of-way areas when identified. Those danger trees that exist outside of the Company's right-of-way areas can only be removed with customer or municipal authorization. On most of the distribution system there were a off right of way danger trees removed in 2020 and spring of 2021. PCL&P continues to work with the County Commissioners' office, the Boroughs of Matamoras and Milford, the Townships of Westfall and Milford, the Milford Shade Tree Commission, and individual property owners to address those danger trees that represent a hazard to the Company's electrical system that are located outside of right-of-way areas.

b. Storm Hardening

The pole inspection and defective pole replacement activities are ongoing programs that contribute to a "Storm Hardening" of the distribution system in PCL&P's service territory. Most defective poles being replaced have an installation date prior to the upgrade of the standard distribution pole specifications. The upgraded specification calls for an increased pole class and the replacement of the pole top apertures with state-of-the-art pole top material that contributes toward storm resistance. The pole inspection and defective pole replacement programs are ongoing and contribute to a "Storm Hardening" of the PCL&P electric delivery system. The program is one of the components of the January 2021, PUC approved LTIP program.

c. Fuses/Reclosers/automatic switches

There are four reclosers installed on one of the 34.5kv lines which sectionalize the circuit to minimize the number of customers affected during fault conditions. These units are functionally tested once every three years and visually inspected annually. These tests verify the availability of the reclosers to function when system activity increases due to storm or other activity on the circuits.

d. Smart Grid

No Smart Grid technology has been installed on the 13kV circuits in PCL&P's service territory.

e. Conservation Voltage Reduction (CVR) activity

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

f. Any other relevant continual improvement activity

Pole top reclosers and substation devices are monitored and controlled by PCL&P's SCADA System that was upgraded in 2020.

The defective poles identified during the 2020 pole inspection programs are being replaced. The 2020 inspection program resulted in the identifying and replacement of approximately 40 defective poles thru the first quarter of 2021.

B. Preventative Maintenance Programs

a. Capacitor 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 distribution 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 capacitor banks and regulators during the summer of 2021.

b. 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 fall of 2017 on the 13.2kv distribution circuit. Additionally, 40% of the 34.5kv system was completed in 2017 and the remaining 60% on the 34.5kv system in the fall of 2018. Hot spotting, (applying 34.5kv cycle specification) within the "Pine Tree Alley" portion of the 34.5kv feeder into Milford Borough were performed fall of 2020. In spring of 2021, numerous on and off ROW hazard trees were removed. Some of the off right of way removals are in coordination with the Milford Borough and Pike County management. The schedule for the next preventive vegetation management cycle will commence in fall of 2021 on the 34.5kv distribution.

c. Substation Inspections

The 2020 maintenance program required completion of all Class 1, Class 3 and Class 4 inspection and maintenance requirements as listed in the filed Inspection and Maintenance for the Matamoras Substation. The monthly visual inspections (Class 1), battery maintenance and transformer/LTC oil sampling was performed in early 2021; the other inspections were not completed. PCL&P will be performing substation maintenance that does not require offloading of the bank this summer and then follow up with maintenance that requires offloading of the bank in the fall of 2021. A contractor has been identified to review prior inspection reports (from prior owner) with the last date inspected, to identify and perform the required substation cycle maintenance.

d. Aerial Patrols

PCL&P system was flown by a drone company for pole top inspection and all Interstate Route 84 highway overhead crossings poles in 2019 and scheduled to be performed in June 2021.

e. Infrared Inspections

The Company's infrared inspection will be scheduled for completion in the summer 2021 period.

f. Any other relevant continual improvement activity

The Company submitted and received PUC approval of a Long-Term Integrity Improvement Plan in January 2021. It includes 34.5kv reliability projects effecting Milford Borough and Township, and 13.2kv reliability projects that effect Westfall Township and Matamoras Borough. The defective pole/storm hardening is a year to year ongoing project that will improve reliability throughout the territory.

C. Capacity Planning

The Joint Agreement requires that PCL&P continue with the third phase of the enhancements and initiate an energy supply study. At this time has moved forward with a pole replacement program focusing on the mainline and equipment poles in order to improve the existing pole plant, mitigate the risk of adverse weather conditions. One of the other sources of outages on the 34.5kv system in the past was “scheduled outages” due to the prior owners “work rules”. An agreement between the contract work force and PCL&P has been reached to safely operate the 34.5kv system without scheduled outages. This will eliminate the need for long scheduled outages affecting the entire Westfall and Milford’s townships or the Boroughs of Matamoras and Milford.

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

D. 2019/20 Storm Update and Lessons Learned

PCL&P experienced one storm that qualified as a Major Event in 2020, Hurricane Isaias in August. One of the lessons learned from major storm Riley, was to submit and receive PUC approval of a “Long Term Infrastructure Improvement Plan, (LTIIP) to define storm hardening and system improvements. The LTIIP was submitted in 2020 and approved in 2021. The LTIIP include the continuance of the defective pole replacement and storm hardening components as well infrastructure system improvement projects that will mitigate some effects of storm activity.

E. 2019 Summer Readiness

a. Capacity Additions

The "Alternate Supply Study" was completed and submitted to the PUC as required on 2/28/18. PCL&P, initially formed an "Energy Supply Purchase" agreement with ORU until 2021. In the second quarter of 2021 a continuance was executed, extending the agreement to 2026.

b. Transmission Preparedness

PCL&P owns no transmission facilities.

c. Event Preparedness

The Company has submitted an Electric Emergency Response Plan in March of 2019 that provides the guidelines to prepare and manage an electric event. The company updates the plan as necessary to incorporate updates to a process or data. The Company continually monitors weather conditions and forecasts throughout the year, especially during the summer months when there is a greater likelihood for thunderstorms to occur. Notifications to proper municipal authorities, outside restoration resources (including damage assessors, line crews and Corning support team) are made in preparation of anticipated events.

d. 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.

e. Personnel sufficient

The Electric Line Operations related work is conducted by a contract workforce. The training of their employees is under their responsibility and documented in the contractor's EHASP.

The Company continually reviews and identifies the personnel needs as workloads and responsibilities develop.

F. Storm Response

a. Outage Restoration Strategy

Since March of 2018, PCL&P responds to storms with the use of their fulltime in-house contractor, other electric line, damage assessors, and vegetation contractors, along with Corning Natural Gas employees and additional contract support. In addition, PCL&P's contractor for the off-hour contractor Call Center will be activated during an event to provide

call support utilizing its own CIS and outage management systems, allowing PCL&P to manage their storms appropriately.

b. Communications and Outreach

The PCL&P team has met with and will continue to meet with the local municipal and county government OEM personnel to discuss update in personnel, communication protocols and upcoming maintenance or project work.

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

PCL&P has submitted the Electric Emergency Response Plan to PUC Audit and TUS Teams. The foundation of the Plan follows ICS protocols. The General Manager is a participating member of the Energy Association of Pennsylvania, working group on “Storm Best Practices”. In 2019, the Company became a member of the North American Mutual Aide Group (NAMAG) and the Pennsylvania Rural Electric Association in 2018.

- Work with Municipalities, wires/trees down in heavy pedestrian areas or state or emergency service road closures and Municipality reported wires down or road closures;
- Mainline restoration of 34.5kv system which includes Critical facilities, including hospitals, police and fire stations, water supply and sewage
- Mainline restoration of 13.2kv 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.

G. COVID-19

- a. COVID Impact on operations/capital projects in 2020 required employees to work from home, occasionally report directly to jobsites, access building for material only, receive assignments via phone or virtual medium, report to building when necessary, on a rotational basis with minimal exposure in building. The designer and in house contractor continued to perform whenever new business or defective pole work was being designed and constructed. Occasional delays occurred with material lead times, while managing customer expectations. Customer Service lobby and cashier window were closed almost immediately, requiring a change in operations to pick up mail daily from USPS, accept customer payment electronically or physically via an outdoor drop box, and to process payments in the building on a rotational basis. All of these processes were communicated via, Company Facebook/ Website and

- posting on headquarter doors; initiated customer appointments and virtual communications for new customer move-ins, payment arrangements and others.
- b. In 2021, LTIP projects were started in April, due to delays in design, field work, availability of contractors and material delivery. Company is experiencing difficulty with support contractors' lack of manpower availability and scheduling. An underground rebuild project has been designed and material has been ordered but lead times will push project toward late fall early winter. A fourth reliability project is being designed now in preparation of a fall start time frame.
 - c. Lessons learned included use of virtual meeting with employees and third-party folks like vendors and online safety training. Planning projects further out in advance of construction, particularly for material ordering, permitting and increase timeliness of reserving support contractors.