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October 24, 2022

***BY ELECTRONIC FILING***

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, Filing Room  
Harrisburg, PA 17120

Re: Pike County Light and Power Company; Docket No. M-2016-2522508; **2022  
THIRD QUARTER QUARTERLY ELECTRIC RELIABILITY REPORT  
FOR PIKE COUNTY LIGHT & POWER COMPANY**

Dear Secretary Chiavetta:

Enclosed for filing with the Commission is the 2022 Third Quarter Quarterly Electric Reliability Report of Pike County Light & Power Company.

Should you have any questions or comments, please feel free to contact me directly.

Very truly yours,

*/s/ Whitney E. Snyder*

Thomas J. Sniscak  
Whitney E. Snyder

WES/das  
Enclosure

cc: Ed Verbraak, PCLP



**Pike County Light & Power Company  
Quarterly Reliability Report**

Third Quarter 2022

**§ 57.195. (e)(1) A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.**

**3<sup>rd</sup> Quarter 2022 Major Events**

There were two approved Major Events in the Pike County Light & Power Company (“PCL&P”) service territory during the third quarter of 2022.

<b>Date</b>	<b>Time</b>	<b>Circuit</b>	<b>Cause</b>	<b>Duration (minutes)</b>	<b>Customers Affected</b>	<b>Customer Minutes of Interruptions</b>
9/5/22	11:55 p.m.	116-4-34	Loss of feed	136	1,847	251,192
9/12/22	3:30 p.m.	116-4-34	Non-Company Accident	1,534	4,757	3,820,796

**September 5**

At approximately 11:55 p.m. downed wires in the Orange and Rockland (O&R) service territory caused the overhead protection scheme to operate, de-energizing the feed to the Matamoras substation. PCL&P has automated devices installed on its system, designed to operate in the event of a loss of voltage. These devices did not operate resulting in the loss of electric service to 1,847 customers. A cursory investigation provided that the battery intended to operate the switches and transfer load between primary and backup sources did not have sufficient charge to perform the switching operations. A review of substation inspection records revealed that the battery was inspected on July 27 of this year, which is consistent with Pike’s maintenance plan, and the battery indicator light showed normal. In response to this event, Pike plans to replace the battery and then perform a functional test of the switch as soon as practical. The total Customer Minutes of Interruption for this event was 251,192 minutes. Weather reports indicate heavy rain in the vicinity of the downed O&R wires.

**September 12**

At approximately 3:30 pm Monday afternoon, a dump truck driving with its bed in the upright position clipped a telephone wire running across Westfall Town Drive in Westfall. As the truck continued driving, it pulled down two utility poles on Route 209. The two poles carried the main feeder serving Milford and areas at the western end of PCL&P’s service territory, interrupting service to 2,910 customers. During switching to restore the customers via the alternate feed, phases burned down along a ROW running from the Matamoras Substation to I84. This second fault caused the O&R feed to lockout interrupting service to an additional 1,847 customers served by the Matamoras Substation. This second fault location was isolated, and the Matamoras Substation was restored in approximately 20 minutes. It is unclear what compromised the conductors causing them to burn down (weak spot from a previous lightning strike, etc.), however, the area in question was inaccessible by bucket truck due to heavy rains earlier in the day so a

decision was made to focus on repairing the initial fault location. Crews worked throughout the night, and were preparing to restore all customers when the report of a second motor vehicle accident was received at approximately 9:45 a.m. Tuesday morning. A crew was dispatched to the reported location and verified that another pole had been hit and was down. This pole also supported the main feeder for the area. The pole was isolated to allow for restoration up to that point. All customers downstream of the isolation point would remain out until the pole was replaced. The total Customer Minutes of Interruption for this event was 3,820,796 minutes. Weather was not a contributing factor to this outage.

### **3rd Quarter 2022 Pre-Arranged Outages**

There were no pre-arranged outages in the PCL&P service territory during the third quarter of 2022.

§ 57.195. (e)(2) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the EDC's service territory for the preceding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer interruptions, the number of customers affected, and the customer minutes of interruption. If MAIFI values are provided, the report shall also include the number of customer momentary interruptions.

**Interruption Data Rolling 12-Month Period**

Year	Quarter	Customers Served	Interruptions	Customers Affected	Customer Minutes of Interruptions
2021	4th Qtr.	4,891	66	6,890	1,058,853
2022	1st Qtr.	4,924	63	6,696	1,059,038
2022	2nd Qtr.	5,121	62	5,256	961,247
2022	3rd Qtr.	5,167	72	3,211	439,053

**Performance Ratios - Rolling 12-Month Data**

	Frequency SAIFI	Restoration CAIDI (min)	Duration SAIDI (min)
Benchmark	0.61	174	106
Rolling 12 Month Standard	0.82	235	195

Year	Quarter	Frequency SAIFI	Restoration CAIDI	Duration SAIDI
2021	4th Qtr.	1.40	153	216
2022	1st Qtr.	1.36	158	215
2022	2nd Qtr.	1.03	183	188
2022	3rd Qtr.	0.62	137	85

§ 57.195. (e)(5) A rolling 12-month breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages, the number of customers interrupted, and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be reported.

Cause	Number of Interruptions		Customers Affected		Customer Minutes of Interruption	
	12- Month	% Of Total	12- Month	% of Total	12- Month	% Of Total
Animal Contact	7	9.7%	125	3.9%	7,319	1.7%
Tree Contact	23	31.9%	1,476	46.0%	228,815	52.1%
Overload	0	0.0%	0	0.0%	0	0.0%
Work Error	0	0.0%	0	0.0%	0	0.0%
Equip. Failure	22	30.6%	718	22.4%	125,980	28.7%
Non-Comp Acc.	2	2.8%	26	0.8%	2,405	0.5%
Customer Problem	0	0.0%	0	0.0%	0	0.0%
Lightning	0	0.0%	0	0.0%	0	0.0%
Loss of Feed	3	4.2%	54	1.7%	11,232	2.6%
Unknown-Other	15	20.8%	812	25.3%	63,302	14.4%
All Causes	72		3,211		439,053	

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day served a true copy of the foregoing document upon the parties, listed below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a party).

**VIA ELECTRONIC MAIL ONLY**

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/s/ Whitney E. Snyder  
Thomas J. Sniscak  
Whitney E. Snyder

DATED: October 24, 2022