



Thomas J. Sniscak
(717) 703-0800
tjsniscak@hmslegal.com

Whitney E. Snyder
(717) 703-0807
wesnyder@hmslegal.com

100 North Tenth Street, Harrisburg, PA 17101 Phone: 717.236.1300 Fax: 717.236.4841 www.hmslegal.com

February 4, 2021

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; **2020
FOURTH QUARTER QUARTERLY ELECTRIC RELIABILITY REPORT
FOR PIKE COUNTY LIGHT & POWER COMPANY**

Dear Secretary Chiavetta:

Enclosed for filing with the Commission is the 2020 Fourth Quarter Quarterly Electric Reliability Report of Pike County Light & Power Company. This report is served electronically pursuant to the COVID-19 Suspension Emergency Order dated March 20, 2020 and ratified March 26, 2020.

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: Steven L. Grandinali, General Manager

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true and correct 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) and the Commission's March 26, 2020 COVID-19 Suspension Emergency Order.

VIA ELECTRONIC MAIL ONLY

Tanya J. McCloskey, Esq.
Christine Maloni Hoover, Esq.
Office of Consumer Advocate
555 Walnut Street
5th Floor Forum Place
Harrisburg, PA 17101
tmccloskey@paoca.org
choover@paoca.org

John R. Evans, Esq.
Office of Small Business Advocate
555 Walnut Street
1st Floor Forum Place
Harrisburg, PA 17101
jorevan@pa.gov

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

DATED: February 4, 2021



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

Fourth Quarter 2020

§ 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.

4th Quarter 2020 Major Events

There were two approved Major Events in the Pike County Light & Power Company (“PCL&P”) service territory during the fourth quarter of 2020.

November 23

Shortly after midnight on November 23, overhead recloser CR1 tripped open due to a line to ground fault. PCL&P responded to the outage and began the process of trouble shooting the fault while performing partial restorations via distribution switching. Once the linemen were able to narrow down the segment containing the fault, they performed a visual inspection to identify pole hardware most likely to be the cause of the fault. Items included: lightning arrestors, tracking glass and dead-end insulators. The crew replaced the identified items and also lifted taps to remove other equipment from the circuit; each time testing the circuit to see if the change had removed the fault from the circuit. This was a time-consuming process. An overhead transformer was identified to have an internal fault after its taps were lifted from the circuit and tested to confirm the culprit. After restoring all of the customer, PCL&P received reports of six customers still without power. After investigation it was determined that the underground primary serving these customers was faulted. The overhead fuse on the riser pole melted internally, without the cutout door opening rendering it undetectable via visual inspection. All customers, except the six served by the faulted underground, were restored by 4:00 p.m.

Date	Time	Circuit	Cause	Duration (minutes)	Customer s Affected	Customer Minutes of Interruptions
11/23/2020	12:46 a.m.	116-4-34	Equipment Failure	1,154	2,371	1,990,054

December 25

On Christmas morning at 5:50 a.m., line 116-2-34 and circuit 104-1-13 locked out in Deerpark substation and the Matamoras substation respectively. This was due to a large tree falling from outside the right-of-way onto the double circuit pole line along Avenue C between Third and Fourth Streets. The results were a broken pole; numerous broken cross arms; a damaged overhead transformer; ten spans of broken insulators and ties; and numerous spans of primary, neutral, secondary and service conductors on the ground.

In the event of a loss of voltage on line 116-2-34 the VISTA switch installed at the Matamoras substation is designed to automatically transfer the load from line 116-2-34 to line 116-4-34 but this did not happen. Prior to the event, PCL&P contracted the manufacturer, S&C Electric, to conduct the recommended maintenance and testing on the VISTA switch as per the maintenance plan. There is currently an ongoing investigation to determine the reason the switch did not operate. There is a possibility that the non-operation of the VISTA switch was the correct response based on the nature of the double circuit fault. The lack of engagement of the alternate supply (circuit 116-4-34) caused circuit 104-3-13 to be de-energized at 5:50 a.m. as well. Circuit 104-3-13 was able to be re-energized via distribution field switching. The remediation of the damage caused by the fallen tree became a reconstruction project of the double circuit mainline for both line 116-2-34 and circuit 104-3-13.

Date	Time	Circuit	Cause	Duration (minutes)	Customers Affected	Customer Minutes of Interruptions
12/25/2020	5:50 a.m.	Various	Tree	1,424	1,871	678,727

4th Quarter 2020 Pre-Arranged Outages

Date	Time	Circuit	Cause	Duration (minutes)	Customers Affected	Customer Minutes of Interruptions
12/28/2020	5:26 p.m.	116-4-13	Replace UG Elbow	49	16	784

§ 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
2020	1st Qtr.	4,834	50	2,189	362,880
2020	2nd Qtr.	4,844	59	2,911	466,968
2020	3rd Qtr.	4,849	61	2,801	518,046
2020	4th Qtr.	5,227	55	2,356	432,428

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
2020	1st Qtr.	.45	166	75
2020	2nd Qtr.	.60	160	96
2020	3rd Qtr.	.58	185	107
2020	4th Qtr.	.45	184	83

§ 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	4	7.27%	74	3.14%	9,372	2.17%
Tree Contact	28	50.91%	1,465	62.18%	315,801	73.03%
Overload	0	0.00%	0	0.00%	0	0.00%
Work Error	0	0.00%	0	0.00%	0	0.00%
Equip. Failure	11	20.00%	90	3.82%	27,869	6.44%
Non-Comp Acc.	2	3.64%	27	1.15%	1,219	0.28%
Customer Problem	0	0.00%	0	0.00%	0	0.00%
Lightning	0	0.00%	0	0.00%	0	0.00%
Loss of Feed	3	5.45%	316	13.41%	27,085	6.26%
Unknown-Other	7	12.73%	384	16.30%	51,082	11.81%
All Causes	55		2,356		432,428	