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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; **2021 SECOND QUARTER QUARTERLY ELECTRIC RELIABILITY REPORT FOR PIKE COUNTY LIGHT & POWER COMPANY**

Dear Secretary Chiavetta:

Enclosed for filing with the Commission is the 2021 Second 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



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

Second Quarter 2021

§ 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.

2nd Quarter 2021 Major Events

There was one approved Major Event in the Pike County Light & Power Company (“PCL&P”) service territory during the second quarter of 2021.

May 18

On May 18 at approximately 11:30 a.m., line 116-2-34 and circuit 104-1-13 locked out in the Deerpark substation and the Matamoras substation respectively. This was due to a conductor from circuit 116-2-34 sagging low enough to make contact with a conductor from circuit 104-1-13. The sagging was the result of the loading and the 300’ length of the span.

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. 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 11:30 a.m. as well.

Both circuits 104-1-13 and 104-3-13 were able to be re-energized via distribution field switching. A project has been in progress to eliminate the crisscrossing of the two circuits and the long span length to improve reliability in the area.

Date	Time	Circuit	Cause	Duration (minutes)	Customers Affected	Customer Minutes of Interruptions
5/18/2021	11:30 a.m.	116-2-34 104-1-13 104-3-13	Equipment Failure	113	1,847	119,432

2nd Quarter 2021 Pre-Arranged Outages

There were no pre-arranged outages in the PCL&P service territory during the second quarter of 2021.

§ 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	3rd Qtr.	4,849	61	2,801	518,046
2020	4th Qtr.	5,227	55	2,356	432,428
2021	1st Qtr.	4,778	54	2,502	424,925
2021	2nd Qtr.	4,853	50	3,853	424,714

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	3rd Qtr.	.58	185	107
2020	4th Qtr.	.45	184	83
2021	1st Qtr.	.52	170	89
2021	2nd Qtr.	.79	110	88

§ 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	8	16.0%	172	4.5%	19,044	4.48%
Tree Contact	21	42.0%	960	24.9%	176,453	41.55%
Overload	0	0.0%	0	0.0%	0	0.00%
Work Error	2	4.0%	1,958	50.8%	63,290	14.90%
Equip. Failure	9	18.0%	112	2.9%	22,205	5.23%
Non-Comp Acc.	0	0.0%	0	0.0%	0	0.00%
Customer Problem	0	0.0%	0	0.0%	0	0.00%
Lightning	0	0.0%	0	0.0%	0	0.00%
Loss of Feed	6	12.0%	499	13.0%	129,010	30.38%
Unknown-Other	4	8.0%	152	3.9%	14,712	3.46%
All Causes	50		3,853		424,714	

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

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

DATED: July 28, 2021