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July 28, 2023

Ms. Rosemary Chiavetta
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

M-2023-3039027-AEL-7/28/23

RE: Docket No. ~~M-2016-2522508~~ – Quarterly Reliability Report

Dear Secretary Chiavetta,

Please find the enclosed Second Quarter Reliability Report for Citizens' Electric Company. Please contact me at 570-522-6143 or andersonp@citizenselectric.com if I can answer any questions.

Best Regards,

A handwritten signature in black ink that reads "Patrick F. Anderson".

Patrick F. Anderson
Senior Director of Engineering & Operations

cc: Dan Searfoorce (via email)
John Van Zant (via email)
Harry Bidelspach (via email)

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Serving the Wonderful Lewisburg-Buffalo Valley since 1911

Citizens' Electric Company
 Quarterly Service Reliability Report
 Second Quarter, 2023

Prepared by Patrick F. Anderson
 Senior Director of Engineering & Operations
 570-522-6143
andersonp@citizenselectric.com
 July 28, 2023

§ 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.

Date	Time	Duration (Minutes)	Customers Affected	Cause
4/1/2023	16:13	302	801	At approximately 1600 hours on 4/1/23, a rainstorm with high gusts of winds reaching 50 mph caused several trees to fall from outside the right-of-way onto a section of three-phase line. The largest outage was caused by a fallen tree off right-of-way and interrupted 532 customers for two hours and thirteen minutes. The remaining four outages were all caused by trees off right-of-way.

§ 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.

Rolling 12-Month Reliability Indices	
Index	Value
SAIFI	0.37
SAIDI	31.1
CAIDI	83.9

Reliability Indices – Supporting Data			
Total # of Customers Served	# of Interruptions	# of Customers Affected	Customer Minutes
7,124	54	2,639	221,490

The following outages were approved for exclusion as Major Events during the preceding 12-month period and are not included in the above calculations:

Major Event Exclusions		
Date	# of Customers Affected	Customer Minutes
4/1/23	801	97,272

§ 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.

Outage Analysis by Cause				
Outage Cause	Number of Interruptions	% of Interruptions	Number of Customers Affected	Customer Interruption Minutes
Off R/W Trees	25	46%	1,212	131,372
On R/W Trees	0	0%	0	0
Animal	11	20%	73	4,343
Weather	3	6%	100	14,570
Equipment	8	15%	76	6,069
Vehicle	3	6%	603	43,747
Other	4	7%	575	21,389
Total	54		2,639	221,490

Discussion

There were 16 permanent outages in the second quarter. Similarly to last quarter, SAIFI and SAIDI are above the Company's PUC Benchmark threshold and CAIDI remains below for the rolling 12-month period. The largest contributors for increased SAIFI and SAIDI this past quarter were a lightning strike and a couple of tree-related outages.

Most of the outages this past quarter were a result of off R/W trees and animal contacts. Besides those two usual causes, one outage due to a lightning strike to a recloser interrupted 69 customers while another outage occurred interrupting all the customers off the Moore feeder from the substation. This feeder outage occurred when a vegetation contractor working for a customer accidentally dropped a large tree limb on to the three-phase line, interrupting all 536 customers on the Moore line. Lastly, one equipment failure occurred due to a failed transformer affecting a single customer.

The Company remains committed to monitoring and mitigating tree caused outages. The company is well positioned and ready for the more severe thunderstorm activity usually seen in the third quarter.