



Wellsboro Electric Company

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October 31, 2019

E-filed and USPS Registered Mail

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

RE: Docket No. M-2016-2522508 – 3rd Quarter 2019 Reliability Report

Dear Secretary Chiavetta,

Enclosed please find the 3rd Quarter 2019 Reliability Report for Wellsboro Electric Company.
Please contact me at 570-724-6701 or barneyf@ctenterprises.org if I can answer any questions.

Sincerely,

Byron Farnsworth Jr.
VP, Engineering and Operations/COO

cc: Dan Searfoorce – Bureau of Technical Utility Services (via email)
Dave Washko – Bureau of Technical Utility Services (via email)
John Van Zant – Bureau of Technical Utility Services (via email)

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

Third Quarter 2019

July-Sept 2019

SUBMITTED BY

Byron Farnsworth Jr.
VP, Engineering and Operations/COO
570-724-6701

barneyf@ctenterprises.org

Rolling 12-Month reliability index values (SAIFI,CAIDI,SAIDI) for the EDC'S service territory for the receding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customers interruptions, the number of customers affected, and the customer minutes of interruption.

WELLSBORO ELECTRIC COMPANY

ROLLING TWELVE MONTH INTERRUPTION INDEXS

Third Quarter 2019

SAIDI
107

SAIFI
0.93

CAIDI
115

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI
278

SAIFI
1.66

CAIDI
167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXS

SAIDI
127

SAIFI
1.22

CAIDI
104

ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC

SAIDI
185

SAIFI
1.12

CAIDI
136

AVERAGE NUMBER OF CUSTOMERS SERVED

6342

Wellsboro Electric Company

Reliability Index

SAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Served</u>
Jan-19	48840	6342
Feb-19	14788	6345
Mar-19	70817	6346
Apr-19	49670	6340
May-19	23852	6338
Jun-19	90512	6340
July-19	95737	6339
Aug-19	45581	6339
Sept-19	5973	6339
Oct-18	132893	6347
Nov-18	36599	6345
Dec-18	62732	6345
Totals	677994	76105

Average # Customers Served 6342

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX 106.90

Wellsboro Electric Company

Reliability Index

SAIFI

<u>Month</u>	<u># Customers Interrupted</u>	<u># Customers Served</u>
Jan-19	537	6342
Feb-19	198	6345
Mar-19	291	6346
Apr-19	634	6340
May-19	204	6338
Jun-19	1106	6340
July-19	722	6339
Aug-19	517	6339
Sept-19	84	6339
Oct-18	920	6347
Nov-18	250	6345
Dec-18	445	6345
Totals	5908	76105

Average # Customers Served

6342

Rolling Twelve Month Average SAIFI Index

0.93

Wellsboro Electric Company

Reliability Index

CAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Interrupted</u>
Jan-19	48840	537
Feb-19	14788	198
Mar-19	70817	291
April -19	49670	634
May-19	23852	204
June-19	90512	1106
July-19	95737	722
Aug-19	45581	517
Sept-19	5973	84
Oct-18	132893	920
Nov-18	36599	250
Dec-18	62732	445
Totals	677994	5908

Rolling Twelve Month Average CAIDI Index

114.76

A rolling 12-month breakdown and analysis of outage causes during the receding 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.

<u>Outage Cause</u>	<u># Customers Affected</u>	<u># of Outages</u>	<u>Customer Minutes</u>	<u>Percentage of Outages</u>
Animal	346	51	17013	23.4%
Decay	10	1	11650	0.5%
Elec Overload	829	4	74450	1.8%
Equipt Failure	1318	44	175378	20.2%
Lightning	197	3	6892	1.4%
No Code	52	9	1427	4.1%
Tree, Off, R.O.W.	1892	44	285102	20.2%
Tree, On R.O.W.	489	21	56115	9.6%
Unknown	679	41	49841	18.8%
Wind	0	0	0	0.0%
Total	5812	218	677867	100%

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 of Event	Time Restored	# Cust Affected	Cause
7/19/2019	5:59:00 PM	7/19/2019 9:49:00 PM	2132	Tree Off ROW
8/11/2019	4:41:00 PM	8/11/2019 8:18:00 PM	750	Lightning
9/21/2019	7:24:00 AM	9/21/2019 11:51:00 AM	1150	Equipment Failure

Summary

Wellsboro Electric fared well during the third quarter of 2019

The top category was animal contacts at 22.7%

The next largest was Equipment failure (21.3%).

Trees caused (29.7%) of outages (9.3% On ROW and 20.4% Out of ROW)

Unknown outages dropped to (18.2%)

The normal yearly trimming cycle was completed for 2019.

There were three Major Events that the PA PUC allowed for exclusion in July, August and September 2019
These three events caused 4032 customers to be interrupted.