

M-2016-2522508

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

First Quarter 2019

Jan-Mar 2019

SUBMITTED BY

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RECEIVED

APR 23 2019

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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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 INDEXES****First Quarter 2019**

SAIDI
197.13

SAIFI
1.41

CAIDI
139.99

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI
278

SAIFI
1.66

CAIDI
167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES

SAIDI
117.06

SAIFI
1.06

CAIDI
116.72

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	48780	6342
Feb-19	27252.6	6345
Mar-19	73645.8	6346
Apr-18	24523	6332
May-18	304560	6336
Jun-18	229500	6340
July-18	89540	6341
Aug-18	60720	6336
Sept-18	134233	6344
Oct-18	133260	6347
Nov-18	51120	6345
Dec-18	62956	6345
Totals	1250092.4	76099

Average # Customers Served 6342

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX 197.13

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
April -18	245	6332
May-18	1672	6336
June-18	1395	6340
July-18	757	6341
Aug-18	586	6336
Sept-18	1585	6344
Oct-18	922	6347
Nov-18	315	6345
Dec-18	447	6345
Totals	8930	76099

Average # Customers Served **6342**

Rolling Twelve Month Average SAIFI Index **1.41**

Wellsboro Electric Company

Reliability Index

CAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Interrupted</u>
Jan-19	48780	537
Feb-19	27252.6	198
Mar-19	73645.8	291
April -18	24523	245
May-18	304560	1672
June-18	229500	1395
July-18	99540	757
Aug-18	60720	566
Sept-18	134233	1585
Oct-18	133260	922
Nov-18	51120	315
Dec-18	62958	447
Totals	1250092.4	8930

Rolling Twelve Month Average CAIDI Index**139.99**

57.195 Reporting Requirements

Section (e) Item (5)

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 indentified 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	1488	74	144187	17.2%
Vehicle	118	1	5088	0.2%
Contractor	0	0	0	0.0%
Decay	10	1	11650	0.2%
Dig-in	0	0	0	0.0%
Elec Overload	536	3	46465	0.7%
Equipt Failure	1710	44	206440	10.3%
Fire	0	0	0	0.0%
Ice	0	0	0	0.0%
Lightning	7	5	254	1.2%
Major Storm	0	0	0	0.0%
Customer Caused	90	19	18443	4.4%
Planned	252	18	45211	4.2%
Power Supply	0	0	0	0.0%
Public Contact	165	7	51253	1.6%
Phone/Cable Co.	0	0	0	0.0%
Rain	0	0	0	0.0%
Tree, On, R.O.W.	1994	71	376994	16.6%
Tree, Off R.O.W.	4204	65	746069	15.2%
Unknown	422	92	74799	21.4%
Vandalism	0	0	0	0.0%
Wind	110	5	6798	1.2%
Total	11201	429	1735130	100.0%

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
2/24/2019	5:46:00 PM	2/25/2019 12:56:00 AM	2057	OCR malfunction on Stony Fork circuit

Summary

Wellsboro Electric was hit with cold weather and wind events during Jan - Mar 2019

Several of our outages this quarter had an unknown cause (21.4%) and most of this can be attributed to wind/rain/animals.

Trees caused (31.8%) of outages (16.6% On ROW and 15.2% Out of ROW)

the normal yearly trimming cycle will begin during the 2Q2019. Animal contact was our 3rd largest outage item.

There was one Major Event that the PA PUC allowed for exclusion due to a Winter storm in late Feb 2019 on the Wellsboro 12Kv Stony Fork Circuit that caused 2057 customers to be interrupted.

CERTIFIED MAIL



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