



Wellsboro Electric Company

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January 3, 2020

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 – 4th Quarter 2019 Reliability Report

Dear Secretary Chiavetta,

Enclosed please find the 4th 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 Searforce – 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

Fourth Quarter 2019

Oct-Dec 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 INDEXES

Fourth Quarter 2019

SAIDI
81

SAIFI
0.77

CAIDI
105

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI
278

SAIFI
1.66

CAIDI
167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES

SAIDI
118

SAIFI
1.06

CAIDI
108

ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC

SAIDI
185

SAIFI
1.12

CAIDI
136

AVERAGE NUMBER OF CUSTOMERS SERVED

6341

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-19	7997	6343
Nov-19	48463	6343
Dec-19	12674	6343
Totals	514904	76097

Average # Customers Served 6341

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX 81.20

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-19	111	6343
Nov-19	353	6343
Dec-19	149	6343
Totals	4906	76097

Average # Customers Served **6341**

Rolling Twelve Month Average SAIFI Index **0.77**

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-19	7997	111
Nov-19	48463	353
Dec-19	12674	149
Totals	514904	4906

Rolling Twelve Month Average CAIDI Index**104.95**

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 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	299	54	15415	27.4%
Elec Overload	860	5	76144	2.5%
Equipt Failure	1239	38	166358	19.3%
Lightning	197	3	6892	1.5%
Tree, Off, R.O.W.	789	34	102485	17.3%
Tree, On R.O.W.	479	23	53967	11.7%
Unknown	952	40	93642	20.3%
Wind	0	0	0	0.0%
Total	4815	197	514904	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
10/9/2019	1:01:00 PM	10/9/2019 1:43:00 PM	6343	Power Supplier
10/28/2019	2:12:00 PM	10/28/2019 3:23:00 PM	6343	Power Supplier
10/31/2019	9:40:00 PM	11/1/2019 12:25:00 PM	2485	Heavy Wind & Rain

Summary

Trees caused (29.0%) of outages (11.7% On ROW and 17.3% Out of ROW)

Animal contacts cause (27.4%) of outages

The next largest was Unknown (20.3%)

Wellsboro electric removed several danger trees (on and off ROW) over a 5 mile section of ROW during the 4Q2019. This should help with the reliability on the Middlebury circuit feeding one of our largest customers.

There were four Major Events that the PA PUC allowed for exclusion in October, November and December 2019

Two of these major events were caused by a loss of power supply (Penelec). Each outage caused 6343 customers to lose power.

The other two major events were caused by Storms that caused a total of 5800 customers to lose power.