

M-2016-2522508



# Wellsboro Electric Company

P. O. Box 138 • 33 Austin Street • Wellsboro, PA 16901 • (570) 724-3516 • FAX (570) 724-1798

August 1, 2017

**RECEIVED**

AUG -1 2017

Rosemary Chiavetta  
Pennsylvania Public Utility Commission  
P.O. Box 3265  
Harrisburg, PA. 17105-3265

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Dear Rosemary Chiavetta, Secretary,

SUBJECT: Quarterly Reliability Report

Enclosed is the quarterly reliability report to the PUC for the 2nd Quarter of 2017 for Wellsboro Electric Company.

If we can be of further assistance, or if you have any questions, feel free to contact me at 570-724-3516.

Sincerely,

A handwritten signature in black ink that reads "Robert S. McCarthy".

Robert S. McCarthy  
Vice-President, Engineering and Operations  
Wellsboro Electric Company

# WELLSBORO ELECTRIC COMPANY

## QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

Second Quarter 2017

April - June 2017

SUBMITTED BY

ROBERT S. McCARTHY  
VICE-PRESIDENT, ENGINEERING AND OPERATIONS  
570-724-3516

[bobbym@ctenterprises.org](mailto:bobbym@ctenterprises.org)

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SECRETARY'S BUREAU

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**

**Second Quarter 2017**

SAIDI 175
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SAIFI 1.78
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CAIDI 98
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**ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC**

SAIDI 278
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SAIFI 1.66
---------------

CAIDI 167
--------------

**ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES**

SAIDI 108
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SAIFI 1.14
---------------

CAIDI 87
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**ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC**

SAIDI 185
--------------

SAIFI 1.12
---------------

CAIDI 136
--------------

57.195 Reporting Requirements

Section (e) Item (2)

Wellsboro Electric Company

Reliability Index

SAIDI

Month	Total Customer Minutes	# Customers Served
Jan-17	71227	6315
Feb-17	44639	6311
Mar-17	119617.2	6313
April -17	18985	6314
May-17	144910	6321
June-17	9356	6322
July -16	76303	6306
Aug-16	156184	6310
Sept-16	49674	6311
Oct-16	151788	6311
Nov-16	75954.6	6312
Dec-16	186984	6316
	1105622	75762

Average # Customers served

6314

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX

**175.11**

57.195 Reporting Requirements

Section (e) Item (2)

Wellsboro Electric Company

Reliability Index

SAIFI

Month	# Customers Interrupted	# Customers Served
Jan-17	913	6315
Feb-17	666	6311
March-17	612	6313
April-17	358	6314
May-17	1148	6321
June-17	155	6322
July-16	805	6306
Aug-16	2644	6310
Sept-16	364	6311
Oct-16	2476	6311
Nov-16	1087	6312
Dec-16	8	6316
	11236	75762

Average Customers Served

6314

Rolling Twelve Month Average SAIFI Index

1.78

## 57.195 Reporting Requirements

## Section(e) Item (2)

Wellsboro Electric Company

Reliability Index

CAIDI

Month	Total Customer Minutes	# Customers Interrupted
Jan-17	71227	913
Feb-17	44639	666
March-17	119617	612
April-17	18985	358
May-17	144910	1148
June-17	9356	155
July-16	76303	805
Aug-16	156184	2644
Sept-16	49674	364
Oct-16	151788	2476
Nov-16	75954.6	1087
Dec-16	186984	8

**1105621.6****11236**

Rolling Twelve Month Average CAIDI Index

**98.40**

57.195

Reporting Requirements

Section (e) Item (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 of Event	Time Restored	# Cust Affected	Cause
5/6/2017	9:01 AM	12:05 PM	6341	Loss of power supply

The following programs and procedures are in place at Wellsboro Electric in an attempt to control outages, Animal related outages accounted for 24.4% of the total outages for this reporting period, Wellsboro has had a animal cover-up program in place for the last several years, our policy is to install an insulated animal guard on each pole mount distribution transformer that is installed, we review outage data in an attempt to find customers or a particular area that is experiencing multiple outages from animal contacts and placing animal guards at these location, also at the time we install animal guards, we also install an insulated lead wire from the transformer to the cutout and or line. All new transformers on our 12 kV system is an internally fused transformer thus preventing the need to install a fused cutout and one less piece of equipment to cover up and maintain, Equipment failures accounted for 26.7% of our outages for this period. mainly to the failure of porcelian cutouts, Wellsboro no longer uses this style of cutout. All new cutouts are the polymer type, it is our policy to change any porcelain cutout that is on any pole that the crews work on. Outage data is reviewed and areas that have had multiple outages from failed cutouts will either be inspected more frequently or may have a cutout replacement program issued for the area. Tree contact accounted for 38.7% of the outages, broken down by the following Off ROW 35.6% and On ROW 3.1%, Unknown outages accounted for 3.6% of the outages.

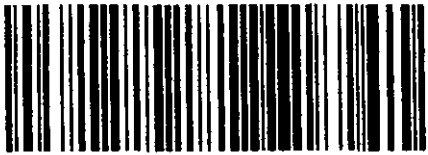
## 57.195 Reporting Requirements

## 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.

Outage Cause	# Customers Affected	# of Outages	Customer Minutes	Percentage of Outages
Animals	686	55	38723.2	24.4%
Vehicles	51	1	8005	0.4%
Decay	0	0	0	0.0%
Dig-in	0	0	0	0.0%
Electrical Overload	801	5	52194	2.2%
Equipment Failure	4744	60	501672.8	26.7%
Fire	0	0	0	0.0%
Ice,Sleet,Frost	0	0	0	0.0%
Lightning	107	6	4590.4	2.7%
Public Contact	0	0	0	0.0%
Power Supplier	0	0	0	0.0%
Phone/Cable Co	0	0	0	0.0%
Rain	0	0	0	0.0%
Trees	0	0	0	0.0%
Tree, On R.O.W.	40	7	15521.2	3.1%
Tree, Off R.O.W.	4318	80	200967.6	35.6%
Unknown Cause	301	8	86246.4	3.6%
Vandalism				
Wind	172	3	3296	1.3%
	11220	225	911216.6	100.00%

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**WELLSBORO ELECTRIC CO.**

33 Austin Street  
PO Box 138  
WELLSBORO, PA 16901  
(570) 724-3516

**TO**

PA Public Utility Commission  
Rosemary Chiavetta, Secretary  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120