



# Wellsboro Electric Company

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

July 29, 2016

M-2016-2522508

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

Dear Rosemary Chiavetta, Secretary,

SUBJECT: Quarterly Reliability Report

Enclosed is the quarterly reliability report to the PUC for the 2nd quarter of 2016 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,

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

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JUL 29 2016

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT  
57.195 REPORTING REQUIREMENTS

Second Quarter 2016

April - June 2016

SUBMITTED BY

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

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

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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****Second Quarter 2016**

SAIDI 96
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SAIFI 1.05
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CAIDI 92
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**ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC**

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

CAIDI 167
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**ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES**

SAIDI 62
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SAIFI 0.79
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CAIDI 77
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**ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC**

SAIDI 185
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SAIFI 1.12
---------------

CAIDI 136
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57.195 Reporting Requirements

Section (e) Item (2)

Wellsboro Electric Company

Reliability Index

SAIDI

Month	Total Customer Minutes	# Customers Served
Jan-16	2254.8	6303
Feb-16	15864	6302
Mar-16	24010	6304
April 16	3398	6305
May-16	85074	6306
June-16	259034	6309
July-15	124829	6289
Aug-15	40097	6290
Sept-15	12055	6293
Oct-15	1425	6297
Nov-15	22127	6293
Dec-15	17564	6300
	607731.8	75591

Average # Customers Served

6299

**ROLLING TWELVE MONTH AVERAGE SAIDI INDEX**

**96.48**

## 57.195 Reporting Requirements

## Section (e) Item (2)

Wellsboro Electric Company

Reliability Index

SAIFI

Month	# Customers Interrupted	# Customers Served	
Jan-16	48	6303	
Feb -16	126	6302	
March -16	314	6304	
April-16	42	6305	
May-16	803	6306	
June-16	1421	6309	
July-15	1561	6289	
Aug-15	1201	6290	
Sept-15	348	6293	
Oct-15	27	6297	
Nov-15	338	6293	
Dec-15	397	6300	
	6626	75591	
	Average Customers Served		6299
<b>Rolling Twelve Month Average SAIFI Index</b>		<b>1.05</b>	

## 57.195 Reporting Requirements

## Section(e) Item (2)

Wellsboro Electric Company

Reliability Index

CAIDI

Month	Total Customer Minutes	# Customers Interrupted
Jan-16	2255	48
Feb-16	15864	126
March-16	24010	314
April-16	3398	42
May-16	85074	803
June-16	259034	1421
July-15	124829	1561
Aug-15	40097	1201
Sept-15	12055	348
Oct-15	1425	27
Nov-15	22127	338
Dec-15	17564	397

**607732****6626**

Rolling Twelve Month Average CAIDI Index

**91.72**

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
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The following programs and procedures are in place at Wellsboro Electric in an attempt to control outages, Animal related outages accounted for 36.9% 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 22.6% of our outages for this period, due 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 30.4% of the outages, broken down by the following  
Off ROW 28.6% and ON ROW 1.8%, Unknown outages accounted for 1.8% of the outages.

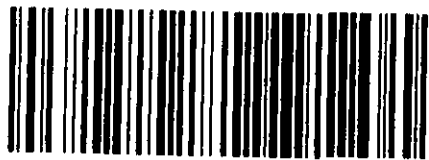
## 57.195 Reporting Requirements

## 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	2378	62	107740	36.9%
Vehicles	235	2	9449	1.2%
Decay	0	0	0	0.0%
Dig-in	0	0	0	0.0%
Electrical Overload	1208	4	43431.6	2.4%
Equipment Failure	1001	38	87128	22.6%
Fire	0	0	0	0.0%
Ice,Sleet,Frost	0	0	0	0.0%
Lightning	4	4	395.8	2.4%
Public Contact	93	3	121614.6	1.8%
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.	166	3	13763.6	1.8%
Tree, Off R.O.W.	1515	48	212296	28.6%
Unknown Cause	3	3	243.8	1.8%
Vandalism				
Wind	23	1	1754	0.6%
	6626	168	597816.4	100.00%

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**WELLSBORO ELECTRIC CO.**

33 Austin Street  
PO Box 138  
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(570) 724-3516

TO

ROSEMARY CHIAVETTA, SECRETARY  
PA PUBLIC UTILITY COMMISSION  
PO BOX 3265  
HARRISBURG PA 17105-3265