



# Wellsboro Electric Company

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RECEIVED

April 28, 2015

APR 28 2015

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

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 1st quarter of 2015 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

# WELLSBORO ELECTRIC COMPANY

## QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

First Quarter 2015

January - March 2015

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SUBMITTED BY

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

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

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

**First Quarter 2015**

SAIDI 54
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SAIFI 0.72
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CAIDI 75
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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 INDEXS**

SAIDI 54
-------------

SAIFI 0.76
---------------

CAIDI 71
-------------

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

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

SAIFI 1.35
---------------

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-15	824	6272
Feb-15	291	6272
March -15	8482	6273
April-14	26318	6248
May-14	84858	6265
June -14	5417	6273
July-14	45715	6255
Aug-14	42247	6269
Sept-14	74519	6266
Oct-14	37777.8	6269
Nov-14	3175.5	6266
Dec-14	7548	6272
	337172.3	75200

Average # Customers Served

6267

**ROLLING TWELVE MONTH AVERAGE SAIDI INDEX**

**53.80**

57.195 Reporting Requirements

Section (e) Item (2)

Wellsboro Electric Company

Reliability Index      SAIFI

Month	# Customers Interrupted	# Customers Served	
Jan-15	23	6272	
Feb-15	6	6272	
March-15	92	6273	
April-14	247	6248	
May-14	791	6265	
June-14	91	6273	
July-14	603	6255	
Aug-14	416	6269	
Sept-14	998	6266	
Oct-14	831	6269	
Nov-14	310	6266	
Dec-14	108	6272	
	4516	75200	
	Average Customers Served		6267
<b>Rolling Twelve Month Average SAIFI Index</b>		<b>0.72</b>	

57.195 Reporting Requirements

Section(e) Item (2)

Wellsboro Electric Company

Month	Relaibility Index Total Customer Minutes	CAIDI # Customers Interrupted
Jan-15	824	23
Feb-15	291	6
March-15	8482	92
April-14	26318	247
May-14	84858	791
June-14	5417	91
July-14	45715	603
Aug-14	42247	416
Sept-14	74519	998
Oct-14	37777.8	831
Nov-14	3175.5	310
Dec-14	7548	108
	<b>337172.3</b>	<b>4516</b>
Rolling Twelve Month Average CAIDI Index	<b>74.66</b>	

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.

<b>Date</b>	<b>Time of Event</b>	<b>Time Restored</b>	<b># Cust Affected</b>	<b>Cause</b>
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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 20.9% of the total 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 28.8% 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 18% of the outages, broken down by the following. On ROW 5.6% Off ROW 12.4 % . Wellsboro has a long term contract with Asplundh Tree Experts which expires in 2015. Unknown outages accounted for 18.6% of the outages for this period.

## 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	760	37	51732	20.9%
Vehicles	39	2	9012	1.1%
Decay	0	0	0	0.0%
Dig-in	0	0	0	0.0%
Electrical Overload	1	1	32	0.6%
Equipment Failure	1205	51	137478	28.8%
Fire	94	2	3662	1.1%
Ice,Sleet,Frost	0	0	0	0.0%
Lightning	210	5	22184	2.8%
Public Contact	245	11	14939	6.2%
Power Supplier	0	0	0	0.0%
Phone/Cable Co	20	1	1136	0.6%
Rain	0	0	0	0.0%
Trees	0	0	0	0.0%
Tree, On R.O.W.	142	10	14149	5.6%
Tree, Off R.O.W.	676	22	83593	12.4%
Unknown Cause	253	33	10015	18.6%
Vandalism				
Wind	148	2	15392	1.1%
	3793	177	363324	100.00%

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