



Wellsboro Electric Company

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October 31, 2016

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

Dear Rosemary Chiavetta, Secretary,

SUBJECT: Quarterly Reliability Report *M-2016-2522508*

Enclosed is the quarterly reliability report to the PUC for the 3rd 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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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

M-2016-2522508

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT
57.195 REPORTING REQUIREMENTS

Third Quarter 2016

July-September 2016

SUBMITTED BY

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

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**

Third Quarter 2016

SAIDI 113

SAIFI 1.16

CAIDI 97

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI 278

SAIFI 1.66

CAIDI 167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES

SAIDI 68

SAIFI 0.85

CAIDI 78

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-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 -16	76303	6306
Aug-16	156184	6310
Sept-16	49674	6311
Oct-15	1425	6297
Nov-15	22127	6293
Dec-15	17564	6300
	712911.8	75646

Average # Customers Served

6304

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX

113.09

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-16	805	6306	
Aug-16	2644	6310	
Sept-16	364	6311	
Oct-15	27	6297	
Nov-15	338	6293	
Dec-15	397	6300	
	7329	75646	
	Average Customers Served	6304	
Rolling Twelve Month Average SAIFI Index	1.16		

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-16	76303	805
Aug-16	156184	2644
Sept-16	49674	364
Oct-15	1425	27
Nov-15	22127	338
Dec-15	17564	397
	712912	7329

Rolling Twelve Month Average CAIDI Index

97.27

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
8/8/2016	19:13	20:16	897	Animal Contact

The following programs and procedures are in place at Wellsboro Electric in an attempt to control outages, Animal related outages accounted for 32.1% 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 28% 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 36.4% of the outages, broken down by the following Off ROW 26.4% and On ROW 1%, Unknown outage causes accounted for 2.6% 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	711	62	42518	32.1%
Vehicles	42	1	8005	0.5%
Decay	0	0	0	0.0%
Dig-in	0	0	0	0.0%
Electrical Overload	2009	9	95626	4.7%
Equipment Failure	2771	54	227222	28.0%
Fire	0	0	0	0.0%
Ice, Sleet, Frost	0	0	0	0.0%
Lightning	85	5	3384	2.6%
Public Contact	93	3	121615	1.6%
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.	153	2	12822	1.0%
Tree, Off R.O.W.	1437	51	189605	26.4%
Unknown Cause	5	5	449	2.6%
Vandalism				
Wind	23	1	1754	0.5%
	7329	193	703000	100.00%

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