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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

M-2016 2522508

January 30, 2018

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 4th 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,

Tyler Mead
Technical Assistant, Engineering and Operations
Wellsboro Electric Company

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

Fourth Quarter 2017

Oct-Dec 2017

SUBMITTED BY

TYLER MEAD
TECHNICAL ASSISTANT, ENGINEERING AND OPERATIONS
570-724-3516

tylerm@ctenterprises.org

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
No major events in the fourth quarter of 2017				

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 2017

SAIDI 20

SAIFI 0.286

CAIDI 69.8

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI 278

SAIFI 1.66

CAIDI 167

AVERAGE NUMBER OF CUSTOMERS SERVED

6321

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 indentified service problems shall be reported.

Outage Cause	# Customers Affected	# of Outages	Customer Minutes	Percentage of Outages
Animals	373	68	13725	34.2%
Vehicles	51	1	8005	0.5%
Contractor	17	1	1049	0.5%
Decay	0	0	0	0.0%
Dig-in	0	0	0	0.0%
Electrical Overload	1	1	87	0.5%
Equipment Failure	1655	27	53624	13.6%
Fire	0	0	0	0.0%
Ice,Sleet,Frost	0	0	0	0.0%
Lightning	8	2	434	1.0%
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.	680	8	27564	4.0%
Tree, Off R.O.W.	3246	59	102308	29.6%
Unknown Cause	515	26	86789	13.1%
Vandalism	0	0	0	0.0%
Wind	205	4	4074	2.0%
Planned	65	2	142	1.01%
	6816	199	297801	100.00%

Cause	17-Apr	17-May	17-Jun	17-Jul	17-Aug	17-Sep	17-Oct	17-Nov	17-Dec	17-Jan	17-Feb	17-Mar	
NUMBER OF OUTAGES													
Animal	1	5	10	5	5	7	8	19	1	2	4	1	68
Vehicle	0	0	0	0	0	0	0	0	0	0	1	0	1
Contractor		1	0	0									1
Decay	0		0	0	0	0	0			0		0	0
Dig-in													
Elec Overload	0	0	0	0	0	0	0	1			0	0	1
Equip Failure	5	1	5	1	2	2	1	0	2	4	2	2	27
Fire	0	0				0	0				0		0
Ice							0				0	0	0
Lightning	0	1	0	0	1	0	0		0		0	0	2
Major Storm		0											
Customer Caused	0						0	0	0				0
Planned								1	1				2
Power Supply						0			0	0			0
Public Contact	0	0	0	0	0	0		0	0			0	0
Phone/Cable Co	0		0										0
Rain													
Tree	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree, Off R.O.W.	3	7	5	3	6	1	4	0	0	13	4	13	59
Tree, On R.O.W.	0	2	1	2	0	0	1	2	0	0			8
Unknown	0	3	2	0	0	0	5	9	7	0	0	0	26
Vandalism													
Wind	0	1				0	1	0	0		0	2	4
Contractor													
	9	21	23	11	14	10	20	32	11	19	11	18	199

Cause	17-Apr	17-May	17-Jun	17-Jul	17-Aug	17-Sep	17-Oct	17-Nov	17-Dec	17-Jan	17-Feb	17-Mar	
CUSTOMERS AFFECTED													
Animal	1	94	51	42	5	16	12	79	1	67	4	1	373
Vehicle	0	0	0	0	0	0	0	0	0	0	51	0	51
Contractor	17	0	0										17
Decay	0	0	0	0	0	0	0			0		0	0
Dig-in		0	0										
Elec Overload	0	0	0	0	0	0	0	1			0	0	1
Equip Failure	327	1	8	1	393	4	62	0	726	43	36	54	1655
Fire	0	0	0			0					0		0
Ice	0	0	0								0	0	0
Lightning	0	1	1	0	6	0	0		0		0	0	8
Major Storm	0	0	0										
Customer Caused	0	0	0				0						0
Planned	0	0	0					13	52				65
Power Supply	0	0	0			0			0	0			0
Public Contact	0	0	0	0	0	0		0	0			0	0
Phone/Cable Co.	0	0	0										0
Rain	0	0	0										
Tree	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree, Off R.O.W.	30	591	91	316	206	33	80	0	0	803	575	521	3246
Tree, On, R.O.W.	0	14	1	108	0	0	506	51	0	0	0		680
Unknown	0	294	4	0	0	0	17	28	172	0	0	0	515
Vandalism			0				0						
Wind	0	136	0	0	0	0	33	0			0	36	205
	375	1131	156	467	610	53	710	172	951	913	666	612	6816

Cause	17-Apr	17-May	17-Jun	17-Jul	17-Aug	17-Sep	17-Oct	17-Nov	17-Dec	16-Jan	16-Feb	16-Mar	
Customer Minutes													
Animal	25.2	6595.2	1840.8	2913	170	691	327	633	47	266	104	113	13725.2
Vehicle	0	0	0	0	0	0	0	0	0	0	8005	0	8005
Contractor		1049.4	0										1049.4
Decay	0		0	0	0	0	0			0		0	0
Dig-in													
Elec Overload	0	0	0.00	0	0	0	0	87			0	0	87
Equipt Failure	15952.8	46.8	2086.2	172	20433	161	103	0	188	791	5935	7756	53624.8
Fire	0	0				0			0		0	0	0
Ice											0	0	0
Lightning	0	71.4	0	0	344	0			0		19	0	434.4
Major Storm													
Customer Caused	0						0						0
Planned								87	75				142
Power Supply						0			0	0			0
Public Contact	0	0.00	0.00	0.00	0.00	0.00		0.00				0.00	0.00
Phone/Cable Co.	0		0.00										0.00
Rain			0										0
Tree	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree, Off R.O.W.	3007.2	38337.6	5110.8	17287	19475	1404	348	0	0	1198	0	16141	102308.6
Tree, On R.O.W.	0	11801.6	111.6	15244	0	0	87	540	0	0			27564.2
Unknown	0	85665	206.4	0	0	0	152	275	444	0	47	0	86789.4
Vandalism		0											
Wind	0	1542	0	0		0	778	0			1754	0	4074
Contractor							0						
	18985.2	144909	9355.8	35616	40422	2256	1775	1602	754	2255	15864	24010	297804

The following programs and procedures are in place at Wellsboro Electric in an attempt to control outages, Animal related outages accounted for 34.2% 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 13.6% of our outages for this period.

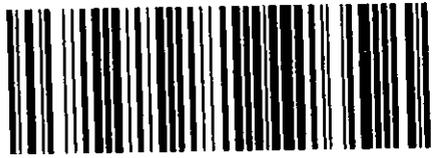
Mainly do to the failure of porcelian cutouts, Wellsboro no longer uses this style of cutout.

All new cutouts are the polymer type, Visual inspection of our circuits has helped with replacing porcelian cutouts before they fail.

Tree contact accounted for 33.6% of the outages, broken down by the following

Off ROW 29.6% and On ROW 4%, Unknown outages accounted for 13.1% of the outages.

CERTIFIED MAIL



7014 2120 0004 2399 2967



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400 North Street
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