



Wellsboro Electric Company

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October 26, 2020

E-filed and USPS Registered Mail

Pennsylvania Public Utility Commission
Ms. Rosemary Chiavetta, Secretary
PO Box 3265
Harrisburg, PA 17105-3265

RE: Docket No. M-2016-2522508 – 3rd Quarter 2020 Reliability Report

Dear Secretary Chiavetta,

Enclosed please find the 3rd Quarter 2020 Reliability Report for Wellsboro Electric Company.
Please contact me at 570-724-6701 or barneyf@ctenterprises.org if I can answer any questions.

Sincerely,

Byron Farnsworth Jr.
President/CEO

cc: Dan Searfoorce – Bureau of Technical Utility Services (via email)
Dave Washko – Bureau of Technical Utility Services (via email)
John Van Zant – Bureau of Technical Utility Services (via email)

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

Third quarter 2020

July-September 2020

SUBMITTED BY

Byron Farnsworth Jr.
President/CEO
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Tyler Mead
Director of Operations
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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.

<u>Outage Cause</u>	<u># Customers Affected</u>	<u># of Outages</u>	<u>Customer Minutes</u>	<u>Percentage of Outages</u>
Animal	630	45	43585	24.1%
Elec Overload	31	1	1694	0.5%
Equipt Failure	2597	37	176299	19.8%
Lightning	0	0	0	0.0%
Tree, Off, R.O.W.	1896	35	244783	18.7%
Tree, On R.O.W.	595	20	79956	10.7%
Unknown	1190	45	93182	24.1%
Wind	71	4	5776	2.1%
Total	7010	187	645276	100%

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
7/30/2020	1:16:00 PM	1:40:00 PM	1515	Unknown
8/4/2020	6:38:00 AM	8:30:00 AM	6302	loss of power supply
8/8/2020	12:03:00 AM	1:11:00 AM	6301	loss of power supply
8/19/2020	10:23:00 AM	1:14:00 PM	1041	Animal contact
8/23/2020	7:34:00 PM	10:03:00 PM	869	Unknown

Cause	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	
NUMBER OF OUTAGES													
Animal	2	0	9	12	1	6	6	3	5	1	0	0	45
Elec Overload	0	0	0	0	0	0	0	1	0	0	0	0	1
Equipt Failure	8	7	3	0	7	2	4	0	1	1	4	0	37
Lightning	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree, Off, R.O.W.	10	1	0	3	7	5	1	1	3	0	0	4	35
Tree, On R.O.W.	2	0	1	2	5	4	2	0	3	0	0	1	20
Unknown	6	4	8	4	7	3	3	4	1	3	1	1	45
Wind	3	0	0	0	0	0	0	0	0	0	1	0	4
	31	12	21	21	27	20	16	9	13	5	6	6	187

Cause	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	
CUSTOMERS AFFECTED													
Animal	4	0	194	318	1	59	40	7	6	1	0	0	630
Elec Overload	0	0	0	0	0	0	0	31	0	0	0	0	31
Equipt Failure	75	1246	26	0	1120	33	17	0	9	1	70	0	2597
Lightning	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree, Off, R.O.W.	731	6	0	242	511	170	7	1	52	0	0	176	1896
Tree, On R.O.W.	59	0	1	285	90	36	12	0	81	0	0	31	595
Unknown	86	85	284	18	85	30	35	314	1	147	1	104	1190
Wind	70	0	0	0	0	0	0	0	0	0	1	0	71
	1025	1337	505	863	1807	328	111	353	149	149	72	311	7010

Cause	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	
Customer Minutes													
Animal	282	0	18708	13503	39	7946	2538	251	254	63	0	0	43585
Elec Overload	0	0	0	0	0	0	0	1694	0	0	0	0	1694
Equipt Failure	6667	90574	2806	0	46691	4348	1837	0	753	143	22480	0	176299
Lightning	0	0	0	0	0	0	0	0	0	0	0	0	0
Tree, Off, R.O.W.	47954	238	0	23353	128866	22354	253	130	3505	0	0	18130	244783
Tree, On R.O.W.	7996	0	35	37709	15860	6433	1616	0	8107	0	0	2200	79956
Unknown	3316	6280	16678	1251	6326	2278	1754	46387	55	7546	31	1281	93182
Wind	5647	0	0	0	0	0	0	0	0	0	129	0	5776
	71863	97091	38228	75817	197782	43358	7997	48463	12674	7752	22640	21611	645276

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 2020**

SAIDI
101

SAIFI
1.10

CAIDI
92

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI
278

SAIFI
1.66

CAIDI
167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES

SAIDI
123

SAIFI
1.13

CAIDI
107

ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC

SAIDI
185

SAIFI
1.12

CAIDI
136

AVERAGE NUMBER OF CUSTOMERS SERVED

6360

Wellsboro Electric Company

Reliability Index

SAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Served</u>
Jan-20	7752	6357
Feb-20	22640	6362
Mar-20	21611	6358
Apr-20	71863	6364
May-20	97091	6368
Jun-20	38228	6374
July-20	75817	6366
Aug-20	197782	6368
Sept-20	43358	6370
Oct-19	7997	6343
Nov-19	48463	6343
Dec-19	12674	6343
Totals	645276	76316

Average # Customers Served **6360**

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX **101.46**

Wellsboro Electric Company

Reliability Index

SAIFI

<u>Month</u>	<u># Customers Interrupted</u>	<u># Customers Served</u>
Jan-20	149	6357
Feb-20	72	6362
Mar-20	311	6358
Apr-20	1025	6364
May-20	1337	6368
Jun-20	505	6374
July-20	863	6366
Aug-20	1807	6368
Sept-20	328	6370
Oct-19	111	6343
Nov-19	353	6343
Dec-19	149	6343
Totals	7010	76316

Average # Customers Served **6360**

Rolling Twelve Month Average SAIFI Index **1.10**

Wellsboro Electric Company

Reliability Index

CAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Interrupted</u>
Jan-20	7752	149
Feb-20	22640	72
Mar-20	21611	311
April -20	71863	1025
May-20	97091	1337
June-20	38228	505
July-19	75817	863
Aug-19	197782	1807
Sept-19	43358	328
Oct-19	7997	111
Nov-19	48463	353
Dec-19	12674	149
Totals	645276	7010

Rolling Twelve Month Average CAIDI Index

92.05

ROLLING THREE YEAR WORKSHEET

3rd Quarter 2020

<u>QTR</u>	<u>SAIDI</u>	<u>SAIFI</u>	<u>CAIDI</u>
4-19	11.00	0.10	113.00
3-19	23.00	0.21	111.00
2-19	26.00	0.31	84.00
1-19	21.00	0.15	144.00
4-18	36.59	0.25	143.79
3-18	44.53	0.45	99.40
2-18	86.41	0.51	170.04
1-18	10.25	0.14	72.88
4-17	19.23	0.28	69.62
3-20	50.00	0.47	106.00
2-20	33.00	0.45	72.00
1-20	8.00	0.08	98.00
	369.01	3.4	1283.73
	123.0033	1.133333	106.9775

Summary

Animal contacts caused (24.1%) of the outages

Trees caused (38.2%) of the outages (16.2% ON-ROW and 22.1% OFF-ROW)

Unknown (20.6%)

Equipment failures (13.2%)

The Company filed exemptions for 5 major events in the third quarter of 2020.

The Company continues to add new devices to the system to help sectionalize outages and cut down on the amount of outage times. For the third quarter of 2020 our numbers have held steady compared to the second quarter.

The amount of On and Off ROW trees increased some due to a couple of high wind events.

The Company saw a decrease in Unknown outages (20.6%) that could be caused by animal or trees.