



# Wellsboro Electric Company

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July 16, 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 – 2nd Quarter 2020 Reliability Report

Dear Secretary Chiavetta,

Enclosed please find the 2nd Quarter 2020 Reliability Report for Wellsboro Electric Company.  
Please contact me at 570-724-6701 or [barneyf@ctenterprises.org](mailto: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

Second quarter 2020

April-June 2020

SUBMITTED BY

Byron Farnsworth Jr.  
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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 identified 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	310	41	24635	23.2%
Elec Overload	31	1	1694	0.6%
Equipt Failure	1896	41	176618	23.2%
Lightning	152	2	4736	1.1%
Tree, Off, R.O.W.	1324	33	126070	18.6%
Tree, On R.O.W.	339	13	42600	7.3%
Unknown	1212	42	93481	23.7%
Wind	71	4	5776	2.3%
<b>Total</b>	<b>5335</b>	<b>177</b>	<b>475610</b>	<b>100%</b>

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>
4/14/2020	9:20:00 AM	1:20:00 PM	1515	equipment failure (tap burnt off)
5/9/2020	2:38:00 PM	3:39:00 PM	6283	loss of power supply
5/23/2020	7:01:00 PM	8:00:00 PM	1705	off ROW tree
6/18/2020	2:38:00 PM	2:59:00 PM	1515	Unknown
6/27/2020	6:26:00 AM	9:36:00 AM	767	equipment failure (crimp on pickle broke wire)

Cause	Apr-20	May-20	Jun-20	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	
<b>NUMBER OF OUTAGES</b>													
Animal	2	0	9	6	7	2	6	3	5	1	0	0	41
Elec Overload	0	0	0	0	0	0	0	1	0	0	0	0	1
Equipt Failure	8	7	3	10	3	0	4	0	1	1	4	0	41
Lightning	0	0	0	1	1	0	0	0	0	0	0	0	2
Tree, Off, R.O.W.	10	1	0	5	5	3	1	1	3	0	0	4	33
Tree, On R.O.W.	2	0	1	0	2	2	2	0	3	0	0	1	13
Unknown	6	4	8	5	6	0	3	4	1	3	1	1	42
Wind	3	0	0	0	0	0	0	0	0	0	1	0	4
	31	12	21	27	24	7	16	9	13	5	6	6	177

Cause	Apr-20	May-20	Jun-20	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	
<b>CUSTOMERS AFFECTED</b>													
Animal	4	0	194	37	18	3	40	7	6	1	0	0	310
Elec Overload	0	0	0	0	0	0	0	31	0	0	0	0	31
Equipt Failure	75	1246	26	400	52	0	17	0	9	1	70	0	1896
Lightning	0	0	0	2	150	0	0	0	0	0	0	0	152
Tree, Off, R.O.W.	731	6	0	175	168	8	7	1	52	0	0	176	1324
Tree, On R.O.W.	59	0	1	0	82	73	12	0	81	0	0	31	339
Unknown	86	85	284	108	47	0	35	314	1	147	1	104	1212
Wind	70	0	0	0	0	0	0	0	0	0	1	0	71
	1025	1337	505	722	517	84	111	353	149	149	72	311	5335

Cause	Apr-20	May-20	Jun-20	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	
<b>Customer Minutes</b>													
Animal	282	0	18708	1488	887	163	2538	251	254	63	0	0	24635
Elec Overload	0	0	0	0	0	0	0	1694	0	0	0	0	1694
Equipt Failure	6667	90574	2806	47128	4230	0	1837	0	753	143	22480	0	176618
Lightning	0	0	0	106	4630	0	0	0	0	0	0	0	4736
Tree, Off, R.O.W.	47954	238	0	40831	14330	699	253	130	3505	0	0	18130	126070
Tree, On R.O.W.	7996	0	35	0	17535	5111	1616	0	8107	0	0	2200	42600
Unknown	3316	6280	16678	6184	3969	0	1754	46387	55	7546	31	1281	93481
Wind	5647	0	0	0	0	0	0	0	0	0	129	0	5776
	71863	97091	38228	95737	45581	5973	7997	48463	12674	7752	22640	21611	475610

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 2020**

SAIDI
75

SAIFI
0.84

CAIDI
89

**ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC**

SAIDI
278

SAIFI
1.66

CAIDI
167

**ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES**

SAIDI
110

SAIFI
1.04

CAIDI
104

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

SAIDI
185

SAIFI
1.12

CAIDI
136

**AVERAGE NUMBER OF CUSTOMERS SERVED**

6352
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**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-19	95737	6339
Aug-19	45581	6339
Sept-19	5973	6339
Oct-19	7997	6343
Nov-19	48463	6343
Dec-19	12674	6343
<b>Totals</b>	<b>475610</b>	<b>76229</b>

**Average # Customers Served** **6352**

**ROLLING TWELVE MONTH AVERAGE SAIDI INDEX** **74.87**

**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-19	722	6339
Aug-19	517	6339
Sept-19	84	6339
Oct-19	111	6343
Nov-19	353	6343
Dec-19	149	6343
<b>Totals</b>	<b>5335</b>	<b>76229</b>

**Average # Customers Served** **6352**

**Rolling Twelve Month Average SAIFI Index** **0.84**

## 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	95737	722
Aug-19	45581	517
Sept-19	5973	84
Oct-19	7997	111
Nov-19	48463	353
Dec-19	12674	149
<b>Totals</b>	<b>475610</b>	<b>5335</b>

Rolling Twelve Month Average CAIDI Index**89.15**

**ROLLING THREE YEAR WORKSHEET**

**2nd 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
3-17	12.38	0.18	69.29
2-20	33.00	0.45	72.00
1-20	8.00	0.08	98.00
	331.39	3.11	1247.02
	110.4633	1.036667	103.9183

### **Summary**

Animal contacts caused (23.2%) of the outages

Trees caused (26.0%) of the outages (7.3% ON-ROW and 18.6% OFF-ROW)

Unknown (23.7%)

Equipment failures (23.2%)

The Company filed exemptions for 5 major events in the second quarter of 2020 and the total number of outages jumped from 31 for 1Q2020 to 64 for 2Q2020.

This can be attributed to some early spring storms that blew through the service area .

Wellsboro Electric continues to see a decrease in the number of ON-ROW tree outages which can be attributed to the contractor that has been trimming the past two years.

The Company continues to see some Unknown outages (23.7%) that could be caused by animal or trees.