



# Wellsboro Electric Company

P. O. Box 138 • 33 Austin Street • Wellsboro, PA 16901 • (570) 724-3516 • FAX (570) 724-1798

July 16, 2021

## E-filed

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

RE: Docket No. M-2016-2522508 – 2<sup>nd</sup> Quarter 2021 Reliability Report

Dear Secretary Chiavetta,

Enclosed please find the 2nd Quarter 2021 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)  
John Van Zant – Bureau of Technical Utility Services (via email)

# WELLSBORO ELECTRIC COMPANY

## QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

Second quarter 2021

April-June 2021

SUBMITTED BY

Byron Farnsworth Jr.  
President/CEO  
570-724-6701

[barneyf@ctenterprises.org](mailto:barneyf@ctenterprises.org)

Tyler Mead  
Director of Operations  
570-724-6725

[tylerm@ctenterprises.org](mailto:tylerm@ctenterprises.org)

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	453	30	24963	16.6%
Elec Overload	0	0	0	0.0%
Equipt Failure	1252	32	65876	17.7%
Lightning	30	2	4030	1.1%
Tree, Off, R.O.W.	1868	68	314008	37.6%
Tree, On R.O.W.	627	22	82709	12.2%
Unknown	542	27	38895	14.9%
Wind	0	0	0	0.0%
<b>Total</b>	<b>4772</b>	<b>181</b>	<b>530482</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.

Date	Time of Event	Time Restored	# Cust Affected	Cause
6/29/2021	11:59:00 PM	6/30/2021 5:35:00 AM	713	Lightning

Cause	Apr-21	May-21	Jun-21	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	
<b>NUMBER OF OUTAGES</b>													
Animal	2	0	5	12	1	6	1	2	0	0	1	0	30
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	2	1	3	0	7	2	3	5	1	1	4	3	32
Lightning	0	0	2	0	0	0	0	0	0	0	0	0	2
Tree, Off, R.O.W.	6	4	2	3	7	5	2	32	1	0	0	6	68
Tree, On R.O.W.	2	1	2	2	5	4	0	1	0	1	1	3	22
Unknown	0	2	2	4	7	3	1	3	1	1	0	3	27
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	12	8	16	21	27	20	7	43	3	3	6	15	181

Cause	Apr-21	May-21	Jun-21	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	
<b>CUSTOMERS AFFECTED</b>													
Animal	2	0	68	318	1	59	1	3	0	0	1	0	453
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	3	7	13	0	1120	33	4	40	18	1	8	5	1252
Lightning	0	0	30	0	0	0	0	0	0	0	0	0	30
Tree, Off, R.O.W.	123	26	2	242	511	170	68	590	28	0	0	108	1868
Tree, On R.O.W.	54	1	2	285	90	36	0	58	0	12	9	80	627
Unknown	0	58	48	18	85	30	1	216	13	69	0	4	542
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	182	92	163	863	1807	328	74	907	59	82	18	197	4772

Cause	Apr-21	May-21	Jun-21	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	
<b>Customer Minutes</b>													
Animal	133	0	2893	13503	39	7946	28	230	0	0	191	0	24963
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	263	1304	676	0	46691	4348	751	7400	2792	169	925	557	65876
Lightning	0	0	4030	0	0	0	0	0	0	0	0	0	4030
Tree, Off, R.O.W.	14683	3887	292	23353	128866	22354	30912	73451	5456	0	0	10754	314008
Tree, On R.O.W.	2013	65	156	37709	15860	6433	0	8466	0	938	821	10248	82709
Unknown	0	4221	3908	1251	6326	2278	46	16811	159	3646	0	250	38895
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	17092	9477	11956	75817	197782	43358	31736	106358	8407	4753	1937	21809	530482

Rolling 12-Month reliability index values (SAIFI,CAIDI,SAIDI) for the EDC'S service territory for the preceding 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**

**2nd Quarter 2021**

SAIDI
83

SAIFI
0.75

CAIDI
112

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

SAIDI
278

SAIFI
1.66

CAIDI
167

**ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES**

SAIDI
95

SAIFI
0.92

CAIDI
108

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

SAIDI
185

SAIFI
1.12

CAIDI
136

**AVERAGE NUMBER OF CUSTOMERS SERVED**

6382
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## Wellsboro Electric Company

## Reliability Index

SAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Served</u>
Jan-21	4753.2	6391
Feb-21	1937.4	6391
Mar-21	21809.4	6391
Apr-21	17092	6395
May-21	9477	6395
Jun-21	11956	6395
July-20	75817	6366
Aug-20	197782	6368
Sept-20	43358	6370
Oct-20	33736	6371
Nov-20	106358	6372
Dec-20	8407	6374
<b>Totals</b>	<b>532483</b>	<b>76579</b>

Average # Customers Served

6382

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX

83.44

**Wellsboro Electric Company**

**Reliability Index**

**SAIFI**

<u>Month</u>	<u># Customers Interrupted</u>	<u># Customers Served</u>
Jan-21	82	6391
Feb-21	18	6391
Mar-21	197	6391
Apr-21	182	6395
May-21	92	6395
Jun-21	163	6395
July-20	863	6366
Aug-20	1807	6368
Sept-20	328	6370
Oct-20	74	6371
Nov-20	907	6372
Dec-20	59	6374
<b>Totals</b>	<b>4772</b>	<b>76579</b>

**Average # Customers Served** **6382**

**Rolling Twelve Month Average SAIFI Index** **0.75**

## Wellsboro Electric Company

## Reliability Index

CAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Interrupted</u>
Jan-21	4753.2	82
Feb-21	1937.4	18
Mar-21	21809.4	197
April -20	17092	182
May-20	9477	92
June-20	11956	163
July-19	75817	863
Aug-19	197782	1807
Sept-19	43358	328
Oct-19	33736	74
Nov-19	106358	907
Dec-19	8407	59
<b>Totals</b>	<b>532483</b>	<b>4772</b>

Rolling Twelve Month Average CAIDI Index**111.58**

**ROLLING THREE YEAR WORKSHEET**

**2nd Quarter 2021**

<b><u>QTR</u></b>	<b><u>SAIDI</u></b>	<b><u>SAIFI</u></b>	<b><u>CAIDI</u></b>
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
2-21	6.00	0.07	88.00
1-21	4.00	0.05	96.00
4-20	23.00	0.16	141.00
3-20	50.00	0.47	106.00
2-20	33.00	0.45	72.00
1-20	8.00	0.08	98.00
	286.12	2.75	1296.19
	95.37333	0.916667	108.0158

**Summary**

Trees caused (49.7%) of the outages (12.2% ON-ROW and 37.6% OFF-ROW)

Equipment failures (17.7%)

Animal contacts caused (16.6%) of the outages

Unknown (14.9%)

The Company filed an exemption for 1 major event in the second quarter of 2021 due to lightning.

The Company continues to add new devices to the system to help sectionalize outages and cut down on the amount of outage times.

The Company saw outage numbers hold steady for the second quarter of 2021. Off ROW trees continue to be out largest outage cause.