

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT
57.195 REPORTING REQUIREMENTS
Docket Number M-2016-2522508

Third quarter 2021

July-September 2021

SUBMITTED BY

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

barneyf@ctenterprises.org

Tyler Mead
Director of Operations
570-724-6725

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	174	21	7877	10.9%
Elec Overload	0	0	0	0.0%
Equipt Failure	1346	39	167847	20.2%
Lightning	32	4	4193	2.1%
Tree, Off, R.O.W.	2328	87	345802	45.1%
Tree, On R.O.W.	523	17	42535	8.8%
Unknown	704	25	64256	13.0%
Wind	0	0	0	0.0%
Total	5107	193	632511	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
7/7/2021	9:25:00 PM	7/8/2021 2:27:00 PM	2086	high winds

Cause	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	
NUMBER OF OUTAGES													
Animal	2	0	5	4	5	1	1	2	0	0	1	0	21
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	2	1	3	8	4	4	3	5	1	1	4	3	39
Lightning	0	0	2	2	0	0	0	0	0	0	0	0	4
Tree, Off, R.O.W.	6	4	2	15	9	10	2	32	1	0	0	6	87
Tree, On R.O.W.	2	1	2	1	1	4	0	1	0	1	1	3	17
Unknown	0	2	2	7	4	1	1	3	1	1	0	3	25
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	12	8	16	37	23	20	7	43	3	3	6	15	193

Cause	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	
CUSTOMERS AFFECTED													
Animal	2	0	68	25	70	4	1	3	0	0	1	0	174
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	3	7	13	266	595	386	4	40	18	1	8	5	1346
Lightning	0	0	30	2	0	0	0	0	0	0	0	0	32
Tree, Off, R.O.W.	123	26	2	895	340	148	68	590	28	0	0	108	2328
Tree, On R.O.W.	54	1	2	3	250	54	0	58	0	12	9	80	523
Unknown	0	58	48	105	89	101	1	216	13	69	0	4	704
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	182	92	163	1296	1344	693	74	907	59	82	18	197	5107

Cause	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	
Customer Minutes													
Animal	133	0	2893	1040	3166	197	28	230	0	0	191	0	7877
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	263	1304	676	37268	96953	18788	751	7400	2792	169	925	557	167847
Lightning	0	0	4030	163	0	0	0	0	0	0	0	0	4193
Tree, Off, R.O.W.	14683	3887	292	133121	49399	23847	30912	73451	5456	0	0	10754	345802
Tree, On R.O.W.	2013	65	156	164	15833	3830	0	8466	0	938	821	10248	42535
Unknown	0	4221	3908	8392	16963	9861	46	16811	159	3646	0	250	64256
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	17092	9477	11956	180149	182314	56523	31736	106358	8407	4753	1937	21809	632511

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****3rd Quarter 2021**

SAIDI
99

SAIFI
0.80

CAIDI
124

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI
278

SAIFI
1.66

CAIDI
167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXES

SAIDI
102

SAIFI
0.94

CAIDI
110

ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC

SAIDI
185

SAIFI
1.12

CAIDI
136

AVERAGE NUMBER OF CUSTOMERS SERVED

6390

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-21	180149	6400
Aug-21	182314	6401
Sept-21	56523	6404
Oct-20	33736	6371
Nov-20	106358	6372
Dec-20	8407	6374
Totals	634512	76680

Average # Customers Served **6390**

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX **99.30**

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-21	1296	6400
Aug-21	1344	6401
Sept-21	693	6404
Oct-20	74	6371
Nov-20	907	6372
Dec-20	59	6374
Totals	5107	76680

Average # Customers Served **6390**

Rolling Twelve Month Average SAIFI Index **0.80**

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 -21	17092	182
May-21	9477	92
June-21	11956	163
July-21	180149	1296
Aug-21	182314	1344
Sept-21	56523	693
Oct-20	33736	74
Nov-20	106358	907
Dec-20	8407	59
Totals	634512	5107

Rolling Twelve Month Average CAIDI Index

124.24

ROLLING THREE YEAR WORKSHEET

3rd Quarter 2021

<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
3-21	65.00	0.52	126.00
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
	306.59	2.82	1322.79
	102.1967	0.94	110.2325

Summary

Trees caused (53.9%) of the outages (8.8% ON-ROW and 45.1% OFF-ROW)

Equipment failures (20.2%) these outages were associated with cutouts, arrestors, and jumpers.

Unknown (13.0%)

Animal contacts caused (10.9%) of the outages

The Company filed an exemption for 1 major event in the third quarter of 2021 due to a high wind event.

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 increase slightly for the third quarter of 2021. This is due to several thunderstorms passing through the area.