

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT
57.195 REPORTING REQUIREMENTS
Docket Number M-2023-3039027

Third Quarter 2024

July-September 2024

SUBMITTED BY

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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	447	40	29116	18.3%
Elec Overload	0	0	0	0.0%
Equipt Failure	164	21	15389	9.6%
Lightning	11	3	560	1.4%
Tree, Off, R.O.W.	5390	130	594406	59.4%
Tree, On R.O.W.	74	6	9173	2.7%
Unknown	1027	19	73283	8.7%
Wind	0	0	0	0.0%
Total	7113	219	721928	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
April-June 2024	7/15/2024 17:15:00 PM	7/17/2024 20:13:00 PM	1837	High wind

Cause	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
NUMBER OF OUTAGES													
Animal	2	4	10	8	3	7	2	2	0	0	2	0	40
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	5	2	2	2	2	1	0	0	2	5	0	0	21
Lightning	1	0	0	0	0	2	0	0	0	0	0	0	3
Tree, Off, R.O.W.	5	16	19	13	13	5	13	13	10	13	1	9	130
Tree, On R.O.W.	0	0	2	2	2	0	0	0	0	0	0	0	6
Unknown	0	1	3	5	1	1	1	4	1	1	0	1	19
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	23	36	30	21	16	16	19	13	19	3	10	219

Cause	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
CUSTOMERS AFFECTED													
Animal	3	32	45	168	5	179	7	6	0	0	2	0	447
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	28	2	24	39	14	1	0	0	32	24	0	0	164
Lightning	1	0	0	0	0	10	0	0	0	0	0	0	11
Tree, Off, R.O.W.	623	951	798	756	359	31	328	787	262	241	1	253	5390
Tree, On R.O.W.	0	0	12	19	43	0	0	0	0	0	0	0	74
Unknown	0	1	89	633	1	13	1	225	1	1	0	62	1027
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	655	986	968	1615	422	234	336	1018	295	266	3	315	7113

Cause	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
Customer Minutes													
Animal	211	2232	2909	10481	244	12046	627	284	0	0	81	0	29116
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	2059	174	2330	2350	1261	53	0	0	5435	1729	0	0	15389
Lightning	21	0	0	0	0	539	0	0	0	0	0	0	560
Tree, Off, R.O.W.	57008	66174	107618	116516	27470	2994	40453	80584	39657	29252	280	26401	594406
Tree, On R.O.W.	0	0	1035	1637	6500	0	0	0	0	0	0	0	9173
Unknown	0	28	6208	32989	55	1220	104	27877	60	83	0	4657	73283
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	59299	68608	120100	163974	35530	16852	41185	108745	45152	31064	361	31058	721928

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 INDEXS****3rd Quarter 2024**

SAIDI
112

SAIFI
1.12

CAIDI
100

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI
278

SAIFI
1.66

CAIDI
167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXS

SAIDI
145

SAIFI
1.20

CAIDI
120

ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC

SAIDI
185

SAIFI
1.12

CAIDI
136

AVERAGE NUMBER OF CUSTOMERS SERVED

6468

Wellsboro Electric Company

Reliability Index

SAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Served</u>
Jan-24	31064.4	6464
Feb-24	361.2	6463
Mar-24	31057.8	6464
Apr-24	59298.6	6466
May-24	68608.2	6469
Jun-24	120100.2	6471
July-24	163974.6	6474
Aug-24	35530.2	6476
Sept-24	16851.6	6477
Oct-23	41184.6	6460
Nov-23	108745.2	6464
Dec-23	45151.8	6466
Totals	721928.4	77614

Average # Customers Served **6468**

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX **111.62**

Wellsboro Electric Company

Reliability Index

SAIFI

<u>Month</u>	<u># Customers Interrupted</u>	<u># Customers Served</u>
Jan-24	266	6464
Feb-24	3	6463
Mar-24	315	6464
Apr-24	655	6466
May-24	986	6469
Jun-24	968	6471
July-24	1615	6474
Aug-24	422	6476
Sept-24	234	6477
Oct-23	136	6460
Nov-23	1308	6464
Dec-23	311	6466
Totals	7219	77614

Average # Customers Served **6468**

Rolling Twelve Month Average SAIFI Index **1.12**

Wellsboro Electric Company

Reliability Index

CAIDI

<u>Month</u>	<u>Total Customer Minutes</u>	<u># Customers Interrupted</u>
Jan-24	31064.4	266
Feb-24	361.2	3
Mar-24	31057.8	315
Apr-24	59298.6	655
May-24	68608.2	986
Jun-24	120100.2	968
July-24	163974.6	1615
Aug-24	35530.2	422
Sept-24	16851.6	234
Oct-23	41184.6	136
Nov-23	108745.2	1308
Dec-23	45151.8	311
Totals	721928.4	7219

Rolling Twelve Month Average CAIDI Index

100.00

ROLLING THREE YEAR WORKSHEET

3rd Quarter 2024

<u>QTR</u>	<u>SAIDI</u>	<u>SAIFI</u>	<u>CAIDI</u>
4-22	33.00	0.27	122.00
3-22	24.00	0.26	91.00
2-22	58.00	0.36	162.00
1-22	27.00	0.20	137.00
4-21	57.00	0.29	196.00
3-24	33.00	0.35	95.00
2-24	38.00	0.40	95.00
1-24	10.00	0.09	107.00
4-23	30.00	0.26	118.00
3-23	83.00	0.68	122.00
2-23	24.00	0.27	91.00
1-23	18.00	0.17	108.00
	435	3.6	1444
	145	1.2	120.3333

Summary

Trees caused (52.2%) of the outages (6.0% ON-ROW and 46.3% OFF-ROW)

Animal contacts caused (26.9%) of the outages

Unknown (10.4%)

Equipment failures (7.5%) these outages were associated with cutouts, arrestors, and jumpers.

Lightning (3.0%)

The Company filed exemptions for 1 major event in the 3rd quarter of 2024.