

# WELLSBORO ELECTRIC COMPANY

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

Fourth Quarter 2024

October-December 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	494	49	30245	20.4%
Elec Overload	0	0	0	0.0%
Equipt Failure	229	24	24274	10.0%
Lightning	11	3	560	1.3%
Tree, Off, R.O.W.	4814	142	545416	59.2%
Tree, On R.O.W.	79	7	10787	2.9%
Unknown	805	15	45660	6.3%
Wind	0	0	0	0.0%
<b>Total</b>	<b>6432</b>	<b>240</b>	<b>656942</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</b>	<b>Time</b>	<b># Cust</b>	<b>Cause</b>
<b>October-December 2024</b>	<b>Event</b>	<b>Restored</b>	<b>Affected</b>	
10/13/2024	12:54:00 PM	10/13/2024 14:59:00 PM	1078	Off ROW tree
10/14/2024	10:30:00 AM	10/14/2024 11:55:00 AM	735	Off ROW tree
11/28/2024	6:05:00 AM	11/28/2024 8:24:00 AM	1078	Wind

Cause	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-24	Feb-24	Mar-24	
<b>NUMBER OF OUTAGES</b>													
Animal	2	4	10	8	3	7	1	10	2	0	2	0	49
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	5	2	2	2	2	1	4	1	0	5	0	0	24
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	5	27	16	13	1	9	142
Tree, On R.O.W.	0	0	2	2	2	0	0	0	1	0	0	0	7
Unknown	0	1	3	5	1	1	0	0	2	1	0	1	15
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	23	36	30	21	16	10	38	21	19	3	10	240

Cause	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-24	Feb-24	Mar-24	
<b>CUSTOMERS AFFECTED</b>													
Animal	3	32	45	168	5	179	1	31	28	0	2	0	494
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	28	2	24	39	14	1	32	65	0	24	0	0	229
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	53	334	414	241	1	253	4814
Tree, On R.O.W.	0	0	12	19	43	0	0	0	5	0	0	0	79
Unknown	0	1	89	633	1	13	0	0	5	1	0	62	805
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	655	986	968	1615	422	234	86	430	452	266	3	315	6432

Cause	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-24	Feb-24	Mar-24	
<b>Customer Minutes</b>													
Animal	211	2232	2909	10481	244	12046	56	727	1258	0	81	0	30245
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	2059	174	2330	2350	1261	53	2390	11929	0	1729	0	0	24274
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	2885	46871	61947	29252	280	26401	545416
Tree, On R.O.W.	0	0	1035	1637	6500	0	0	0	1614	0	0	0	10787
Unknown	0	28	6208	32989	55	1220	0	0	418	83	0	4657	45660
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	59299	68608	120100	163974	35530	16852	5332	59527	65237	31064	361	31058	656942

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****4th Quarter 2024**

SAIDI
102

SAIFI
0.99

CAIDI
102

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

SAIDI
278

SAIFI
1.66

CAIDI
167

**ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXS**

SAIDI
133

SAIFI
1.15

CAIDI
115

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

SAIDI
185

SAIFI
1.12

CAIDI
136

**AVERAGE NUMBER OF CUSTOMERS SERVED**

6472
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**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-24	5331.6	6478
Nov-24	59526.6	6479
Dec-24	65237.4	6479
<b>Totals</b>	<b>656942.4</b>	<b>77660</b>

**Average # Customers Served** **6472**

**ROLLING TWELVE MONTH AVERAGE SAIDI INDEX** **101.51**

**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-24	86	6478
Nov-24	430	6479
Dec-24	452	6479
<b>Totals</b>	<b>6432</b>	<b>77660</b>

**Average # Customers Served** **6472**

**Rolling Twelve Month Average SAIFI Index** **0.99**

**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-24	5331.6	86
Nov-24	59526.6	430
Dec-24	65237.4	452
<b>Totals</b>	<b>656942.4</b>	<b>6432</b>

**Rolling Twelve Month Average CAIDI Index****102.14**

**ROLLING THREE YEAR WORKSHEET**

**4th 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
4-24	20.00	0.15	134.00
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
	398	3.46	1382
	132.6667	1.153333	115.1667

## **Summary**

Trees caused (62.1%) of the outages (2.9% ON-ROW and 59.2% OFF-ROW)

Animal contacts caused (20.4%) of the outages

Equipment failures (10.0%) these outages were associated with cutouts, arrestors, and jumpers.

Unknown (6.3%)

Lightning (1.3%)

The Company filed exemptions for 3 major events in the 4th quarter of 2024.