

WELLSBORO ELECTRIC COMPANY

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

Second Quarter 2024

April-June 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	493	38	28248	15.5%
Elec Overload	0	0	0	0.0%
Equipt Failure	283	26	25209	10.6%
Lightning	3	2	629	0.8%
Tree, Off, R.O.W.	7597	153	900520	62.4%
Tree, On R.O.W.	14	3	1151	1.2%
Unknown	825	23	84467	9.4%
Wind	0	0	0	0.0%
Total	9215	245	1040224	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	Time	# Cust	Cause
April-June 2024	Event	Restored	Affected	
5/2/2024	1:19:00 AM	5/2/2024 04:15:00 AM	1735	animal contact
6/12/2024	10:34:00 AM	6/12/2024 11:46:00 AM	1738	equipment failure
6/17/2024	18:38:00 PM	6/17/2024 22:58:00 PM	1388	animal contact
6/20/2024	12:19:00 PM	6/20/2024 13:14:00 PM	1738	unknown

Cause	Apr-24	May-24	Jun-24	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
NUMBER OF OUTAGES													
Animal	2	4	10	10	5	1	2	2	0	0	2	0	38
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	5	2	2	2	4	4	0	0	2	5	0	0	26
Lightning	1	0	0	1	0	0	0	0	0	0	0	0	2
Tree, Off, R.O.W.	5	16	19	19	16	19	13	13	10	13	1	9	153
Tree, On R.O.W.	0	0	2	0	0	1	0	0	0	0	0	0	3
Unknown	0	1	3	1	8	2	1	4	1	1	0	1	23
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	13	23	36	33	33	27	16	19	13	19	3	10	245

Cause	Apr-24	May-24	Jun-24	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
CUSTOMERS AFFECTED													
Animal	3	32	45	374	19	5	7	6	0	0	2	0	493
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	28	2	24	69	18	86	0	0	32	24	0	0	283
Lightning	1	0	0	2	0	0	0	0	0	0	0	0	3
Tree, Off, R.O.W.	623	951	798	812	850	1691	328	787	262	241	1	253	7597
Tree, On R.O.W.	0	0	12	0	0	2	0	0	0	0	0	0	14
Unknown	0	1	89	13	428	4	1	225	1	1	0	62	825
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	655	986	968	1270	1315	1788	336	1018	295	266	3	315	9215

Cause	Apr-24	May-24	Jun-24	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
Customer Minutes													
Animal	211	2232	2909	21032	662	209	627	284	0	0	81	0	28248
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	2059	174	2330	1902	1930	9652	0	0	5435	1729	0	0	25209
Lightning	21	0	0	608	0	0	0	0	0	0	0	0	629
Tree, Off, R.O.W.	57008	66174	107618	160840	72450	219803	40453	80584	39657	29252	280	26401	900520
Tree, On R.O.W.	0	0	1035	0	0	116	0	0	0	0	0	0	1151
Unknown	0	28	6208	918	44323	208	104	27877	60	83	0	4657	84467
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	59299	68608	120100	185301	119365	229987	41185	108745	45152	31064	361	31058	1040224

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****2nd Quarter 2024**

SAIDI
161

SAIFI
1.44

CAIDI
112

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI
278

SAIFI
1.66

CAIDI
167

ROLLING THREE YEAR AVERAGE INTERRUPTION INDEXS

SAIDI
156

SAIFI
1.26

CAIDI
123

ROLLING THREE YEAR AVERAGE STANDARD AS ESTABLISHED BY THE PUC

SAIDI
185

SAIFI
1.12

CAIDI
136

AVERAGE NUMBER OF CUSTOMERS SERVED

6464

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-23	185301	6459
Aug-23	119364	6460
Sept-23	229987	6462
Oct-23	41184.6	6460
Nov-23	108745.2	6464
Dec-23	45151.8	6466
Totals	1040224	77568

Average # Customers Served **6464**

ROLLING TWELVE MONTH AVERAGE SAIDI INDEX **160.93**

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-23	1270	6459
Aug-23	1315	6460
Sept-23	1788	6462
Oct-23	136	6460
Nov-23	1308	6464
Dec-23	311	6466
Totals	9321	77568

Average # Customers Served **6464**

Rolling Twelve Month Average SAIFI Index **1.44**

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-23	185301	1270
Aug-23	119364	1315
Sept-23	229987	1788
Oct-23	41184.6	136
Nov-23	108745.2	1308
Dec-23	45151.8	311
Totals	1040224	9321

Rolling Twelve Month Average CAIDI Index**111.60**

ROLLING THREE YEAR WORKSHEET

2nd 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
3-21	65.00	0.52	126.00
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
	467	3.77	1475
	155.6667	1.256667	122.9167

Summary

Trees caused (63.6%) of the outages (1.2% ON-ROW and 62.4% OFF-ROW)

Animal contacts caused (15.5%) of the outages

Equipment failures (10.6%) these outages were associated with cutouts, arrestors, and jumpers.

Unknown (9.4%)

Lightning (0.8%)

The Company filed exemptions for 4 major events in the 2nd quarter of 2024.