

# WELLSBORO ELECTRIC COMPANY

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

First Quarter 2024

January-March 2024

SUBMITTED BY

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

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

Tyler Mead  
Director of Engineering & 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 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	489	29	26653	14.5%
Elec Overload	0	0	0	0.0%
Equipt Failure	376	22	32341	11.0%
Lightning	2	1	608	0.5%
Tree, Off, R.O.W.	6352	122	796252	61.0%
Tree, On R.O.W.	30	2	2189	1.0%
Unknown	1083	24	91921	12.0%
Wind	0	0	0	0.0%
<b>Total</b>	<b>8332</b>	<b>200</b>	<b>949963</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 Event</b>	<b>Time Restored</b>	<b># Cust Affected</b>	<b>Cause</b>
1/9/2024	12:46:00 PM	1/11/2024 12:06:00 PM	5382	High wind
2/28/2024	2:51:00 PM	2/29/2024 9:17:00 AM	2193	High wind

Cause	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
<b>NUMBER OF OUTAGES</b>													
Animal	1	1	5	10	5	1	2	2	0	0	2	0	29
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	4	1	0	2	4	4	0	0	2	5	0	0	22
Lightning	0	0	0	1	0	0	0	0	0	0	0	0	1
Tree, Off, R.O.W.	2	4	3	19	16	19	13	13	10	13	1	9	122
Tree, On R.O.W.	0	1	0	0	0	1	0	0	0	0	0	0	2
Unknown	1	2	2	1	8	2	1	4	1	1	0	1	24
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	8	9	10	33	33	27	16	19	13	19	3	10	200

Cause	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
<b>CUSTOMERS AFFECTED</b>													
Animal	3	68	5	374	19	5	7	6	0	0	2	0	489
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	146	1	0	69	18	86	0	0	32	24	0	0	376
Lightning	0	0	0	2	0	0	0	0	0	0	0	0	2
Tree, Off, R.O.W.	22	433	672	812	850	1691	328	787	262	241	1	253	6352
Tree, On R.O.W.	0	28	0	0	0	2	0	0	0	0	0	0	30
Unknown	9	306	33	13	428	4	1	225	1	1	0	62	1083
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	180	836	710	1270	1315	1788	336	1018	295	266	3	315	8332

Cause	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	
<b>Customer Minutes</b>													
Animal	309	3199	250	21032	662	209	627	284	0	0	81	0	26653
Elec Overload	0	0	0	0	0	0	0	0	0	0	0	0	0
Equipt Failure	11615	79	0	1902	1930	9652	0	0	5435	1729	0	0	32341
Lightning	0	0	0	608	0	0	0	0	0	0	0	0	608
Tree, Off, R.O.W.	4628	60004	61900	160840	72450	219803	40453	80584	39657	29252	280	26401	796252
Tree, On R.O.W.	0	2073	0	0	0	116	0	0	0	0	0	0	2189
Unknown	473	11138	2078	918	44323	208	104	27877	60	83	0	4657	91921
Wind	0	0	0	0	0	0	0	0	0	0	0	0	0
	17025	76493	64227	185301	119365	229987	41185	108745	45152	31064	361	31058	949963

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****1st Quarter 2024**

SAIDI
147

SAIFI
1.31

CAIDI
113

**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
1.15

CAIDI
122

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

SAIDI
185

SAIFI
1.12

CAIDI
136

**AVERAGE NUMBER OF CUSTOMERS SERVED**

6460
------

**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-23	17025	6451
May-23	76493	6452
Jun-23	64227	6453
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
<b>Totals</b>	<b>949962</b>	<b>77518</b>

**Average # Customers Served** **6460**

**ROLLING TWELVE MONTH AVERAGE SAIDI INDEX** **147.06**

**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-23	180	6451
May-23	836	6452
Jun-23	710	6453
July-23	1270	6459
Aug-23	1315	6460
Sept-23	1788	6462
Oct-23	136	6460
Nov-23	1308	6464
Dec-23	311	6466
<b>Totals</b>	<b>8438</b>	<b>77518</b>

**Average # Customers Served** **6460**

**Rolling Twelve Month Average SAIFI Index** **1.31**

**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-23	17025	180
May-23	76493	836
Jun-23	64227	710
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
<b>Totals</b>	<b>949962</b>	<b>8438</b>

**Rolling Twelve Month Average CAIDI Index****112.58**

**ROLLING THREE YEAR WORKSHEET**

**1st 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
2-21	6.00	0.07	88.00
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	3.44	1468
	145	1.146667	122.3333

## **Summary**

Trees caused (62%) of the outages (1.0% ON-ROW and 61% OFF-ROW)

Animal contacts caused (14.5%) of the outages

Unknown (12%)

Equipment failures (11%) these outages were associated with cutouts, arrestors, and jumpers.

Lightning (0.5%)

The Company filed exemptions for 2 major events in the 1st quarter of 2024 due to high winds.

The Company continues to see off ROW trees being the largest cause of outages for the 1st quarter of 2024.