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April 15, 2025

**E-FILED**

Mr Matthew Homsher, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
2<sup>nd</sup> Floor, Room-N201  
400 North Street  
Harrisburg, PA 17120

Re: **Wellsboro Electric Company 2024 Annual Electric Reliability Report Docket No. M-2023-3039027**

Dear Secretary Homsher:

Please find enclosed for filing Wellsboro Electric Company's 2024 Annual Electric Reliability.

If you have any questions regarding the information contained in this filing, please contact me at (570)724-6701 or [barneyf@ctenterprises.org](mailto:barneyf@ctenterprises.org).

Sincerely,

Byron Farnsworth Jr.  
President/CEO

Enclosure  
c (w/ enc.):

Bureau of Technical Utility Services ([jvanzant@pa.gov](mailto:jvanzant@pa.gov), [dsearfoorc@pa.gov](mailto:dsearfoorc@pa.gov))  
Office of Consumer Advocate ([kyetter@paoca.org](mailto:kyetter@paoca.org) )  
Office of Small Business Advocate ([tereswagne@pa.gov](mailto:tereswagne@pa.gov) )

**2024 Annual Electric Reliability Report**

**to the**

**Pennsylvania Public Utility Commission**

Wellsboro Electric Company  
33 Austin Street  
Wellsboro, PA 16901

April 15, 2025

**WELLSBORO ELECTRIC COMPANY  
ANNUAL ELECTRIC RELIABILITY REPORT**

Filed April 15, 2025

**52 Pa Code §57.195 Reporting Requirements**

- (a)(2) The name, title, telephone number and e-mail address of the persons who have knowledge of the matters, and can respond to inquiries.**

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)

- (b)(1) An overall current assessment of the state of the system reliability in the electric distribution company's service territory including a discussion of the electric distribution company's current programs and procedures for providing reliable electric service.**

Wellsboro Electric Company has maintained excellent reliability indices during 2024 keeping all of our indices below the PUC established standard. The Company experienced 10 major events throughout 2024 including rain, wind, and heavy snow events that impacted reliability. By maintaining a small number of major events, the Company recognizes this will increase some of our indices because the outages will be much smaller and be pushed out to the extremities of our system, which will not allow them to qualify as a major event. The Company will continue trimming 70-75 miles per year, which amounts to a circuit or a portion of a circuit each year and keeps us around a 5-year cycle. The Company identified hot spot trimming on the downtown three phase portion of the system. Danger trees were identified In and Out of ROW during the year and urgent removals were dealt with immediately and other Danger trees are prioritized and removed as funding is available.

In 2024, the Company reconductored 7 miles of line, and installed other group operated switches to create tie points in the system. In 2025, the Company plans to reconductor another 3 miles of line and work to build another tie point. This will provide reliability to the circuits allowing an alternate feed.

The Company continues to participate in and gather information from various industry best practice groups. These groups include members from diverse utility groups such as the Pennsylvania Rural Electric Association, the Energy Association of Pennsylvania, and the National Rural Electric Cooperative Association. The Company will continue to implement best practices defined by these groups as appropriate.

The Company does not own or maintain any transmission facilities.

**Current Maintenance Programs**

<b>Program</b>	<b>Description</b>	<b>Cycle</b>
Infrared Inspection	All substation equipment monthly, and overhead lines as needed.	Monthly
Vegetation Management	Each year, primary lines are visually inspected on 4 circuits. This comprehensive field inspection allows us to identify areas that require trimming. We are striving to maintain a 5–6 year trimming cycle and the Boro is inspected annually to help identify unexpected “hot spots.” Based on a bid the winning bidder. Trimmed 70 miles by the end of 2024.	2 Years – Visual 5-6 Years – Trimming
Visual Line Inspection	4 distribution circuits lines and pole hardware are visually inspected each year during preparation of tree trimming contract. Line sections receiving infrared inspection are also inspected visually during that process. Drones are used on a limited basis in tough to access ROWs to inspect structures, equipment and tree conditions. AppSuite is being used to capture specific information which is then transferred into our IVUE system to run reports.	2 Years
Overhead Transformer Inspection	Overhead equipment on 4 circuits are visually inspected each year to identify and correct any developing problems or safety concerns.	2 Years
Padmount Transformer Inspection	Padmounted equipment on 2 circuits are visually inspected each year to identify and correct any developing problems or safety concerns.	4 Years
Line Equipment Inspection	Air switches, circuit tie switches, capacitors, regulators, and reclosers are visually inspected during the Line Inspections each year. Where applicable, proper operation of control equipment is verified, and counter readings are recorded.	Annual
Pole Inspection	Poles are inspected at the ground line with a sonic and bore style test.	10 Years
Reject Pole Replacements	Replace condemned poles identified during pole inspection.	As needed, annually
Substation Equipment Inspection	Entire station is visually inspected. Equipment batteries are tested, communications equipment operation is verified, fans are tested, various gauge and counter readings are recorded. An infrared inspection is performed on all equipment monthly.	Monthly
Regulator/OCR Maintenance	Tripsaver reclosers will be inspected during the Line Inspections each year. Regulators are visually inspected monthly	Monthly - Regulators Annually – OCR’s

**(b)(2) A description of each major event that occurred during the year being reported on, 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	Duration of Event (Minutes)	#of Customers Affected	Cause
1/9/2024	12:46 PM	2,129,900	5382	High wind
2/28/2024	14:51 PM	185,742	2193	High wind
5/2/2024	01:19 AM	173,370	1735	Animal Contact
6/12/2024	10:34 AM	40,984	1738	Equipment Failure
6/17/2024	18:38 PM	199,183	1388	Animal Contact
6/20/2024	12:19 PM	42,000	1738	Unknown
7/15/2024	17:15 PM	1,223,750	1837	High Wind
10/13/2024	12:54 PM	98,653	1078	High Wind/Off ROW Tree
10/14/2024	10:30 AM	62,340	735	High Wind/Off ROW Tree
11/28/2024	06:05 AM	150,057	1078	

(b)(3) A table showing the actual values of each of the reliability indices (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the electric distribution company's service territory for each of the preceding 3 calendar years. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer minutes interruptions, the number of customers affected, and the minutes of interruption. If MAIFI values are provided, the number of customer momentary interruptions shall also be reported.

**RELIABILITY BENCHMARKS AND STANDARDS  
Wellsboro Electric Company\*\***

	SAIDI	SAIFI	CAIDI	MAIFI
2024	102	.99	102	*
2023	155	1.37	114	*
2022	142	1.09	130	*
<b>3 Year Average</b>	133	1.15	116	*

\* Sufficient information to calculate MAIFI is unavailable.

\*\* System Performance Measures with Major Events and Planned Outages Excluded

**Formulas Used in Calculating the Indices**

$$\text{SAIFI} = \frac{\text{Number of Customers experiencing an Interruption}}{\text{Average Customers served}}$$

$$\text{SAIDI} = \frac{(\text{Total Cust.-minutes interrupted}) - (\text{Cust.-minutes for a major event})}{\text{Average Customers served}}$$

$$\text{CAIDI} = \text{SAIDI/SAIFI}$$

**(b)(4) A breakdown and analysis of outage causes during the year being reported on, including the number and percentage of service outages 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.**

**January 1, 2024 through December 31, 2024**

Outage Cause	Number of Interruptions	% of Interruptions	Number of Customers Affected	Customer Interruption Minutes
Animal	49	20.4%	494	30,245
Equipt Failure	24	10.0%	229	24,274
Tree, On, R.O.W.	7	2.9%	79	10,787
Tree, Off R.O.W.	142	59.2%	4814	545,416
Unknown	15	6.3%	805	45,660
Lightning	3	1.3%	11	560
<b>Total</b>	<b>240</b>	<b>100.0%</b>	<b>6432</b>	<b>656,942</b>

**January 1, 2023 through December 31, 2023**

Outage Cause	Number of Interruptions	% of Interruptions	Number of Customers Affected	Customer Interruption Minutes
Animal	31	14.8%	502	27,196
Equipt Failure	23	11.0%	640	49,926
Tree, On, R.O.W.	3	1.4%	31	2,334
Tree, Off R.O.W.	126	60.3%	6611	834,774
Unknown	25	12.0%	1036	88,180
Lightning	1	0.5%	2	608
<b>Total</b>	<b>209</b>	<b>100.0%</b>	<b>8822</b>	<b>1,003,019</b>

**January 1, 2022 through December 31, 2022**

Outage Cause	Number of Interruptions	% of Interruptions	Number of Customers Affected	Customer Interruption Minutes
Animal	57	24.9%	1277	180,514
Equipt Failure	35	15.3%	1351	255,308
Tree, On, R.O.W.	5	2.2%	64	10,310
Tree, Off R.O.W.	89	38.9%	3315	386,547
Unknown	35	15.3%	974	79,415
Lightning	8	3.5%	43	3,281
<b>Total</b>	<b>229</b>	<b>100.0%</b>	<b>7024</b>	<b>915,376</b>