

August 1, 2024

VIA ELECTRONIC FILING

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120

**Re: 2nd Quarter 2024 Reliability Report – FirstEnergy Pennsylvania
Electric Company on behalf of Met-Ed Rate District, Penelec Rate District,
Penn Power Rate District and West Penn Rate District;
Public Version; Docket No. M-2023-3039027**

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing by FirstEnergy Pennsylvania Electric Company (“FE PA” or the “Company”) on behalf of Met-Ed Rate District (“Met-Ed”), Penelec Rate District (“Penelec”), Penn Power Rate District (“Penn Power”), and West Penn Rate District (“West Penn”) is the 2nd Quarter 2024 Reliability Report – Public Version (“Report”).

On December 22, 2004, the Company filed an Application for Protective Order at Docket No. L-00030161. The Application was granted, allowing the Company to file proprietary versions of the quarterly reliability reports. The Proprietary Version of this Report is being filed under separate cover.

Please feel free to contact me if you have any questions or need additional information regarding this matter.

Sincerely,



Darsh Singh

DS/dml

Enclosures

- c: As Per Certificate of Service
D. Searfoorce - Bureau of Technical Utility Services (via email and first-class mail)
J. Van Zant – Bureau of Technical Utility Services (via email and first-class mail)
Derek Ruhl - PaPUC Bureau of Technical Utility Services (via electronic mail)

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

2nd Quarter 2024 Reliability Report – :
FirstEnergy Pennsylvania Electric :
Company on behalf of Met-Ed Rate :
District, Penelec Rate District, Penn Power : **Docket No. M-2023-3039027**
Rate District and West Penn Rate District – :
Public Version :

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true and correct copy of the foregoing document upon the individuals listed below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

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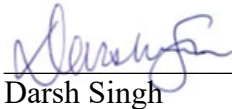
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Dated: August 1, 2024



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behalf of Met-Ed Rate District, Penelec Rate
District, Penn Power Rate District and West Penn
Rate District



2024 2nd Quarter Reliability Report

FirstEnergy Pennsylvania Electric Company on behalf of
Met-Ed Rate District,
Penelec Rate District,
Penn Power Rate District, and
West Penn Rate District

Pursuant to 52 Pa. Code § 57.195(d) and (e)

**2nd Quarter 2024 Reliability Report –
FirstEnergy Pennsylvania Electric Company (“FE PA”) on behalf of
Met Ed Rate District (“Met-Ed”),
Penelec Rate District (“Penelec”),
Penn Power Rate District (“Penn Power”), and
West Penn Rate District (“West Penn”)**

Section 57.195(e)(1):

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.¹

Major Event(s)

Company	Customers Affected	Time and Duration of the Event		Cause of the Event	Commission Approval Status
Penn Power	31,812	Duration	81 hours and 56 minutes	Rain and Wind Event	Pending ²
		Start Date/Time	6/17/2024 1358		
		End Date/Time	6/20/2024 at 2354		

¹ For purposes of this Report, all reliability reporting is based upon the Pennsylvania Public Utility Commission’s definitions for momentary outages and major events pursuant to 52 Pa. Code § 57.192.

² Penn Power’s Major Event has been submitted for approval on July 31, 2024.

Section 57.195(e)(2): Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available MAIFI) for the EDC’s service territory for the preceding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer interruptions, the number of customers affected, and the customer minutes of interruption. If MAIFI values are provided, the report shall also include the number of customer momentary interruptions.

Reliability Index Values

2Q 2024 (12-Mo Rolling)	Met-Ed			Penelec			Penn Power			West Penn		
	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual
SAIFI	1.15	1.38	1.79	1.26	1.52	1.68	1.12	1.34	.89	1.05	1.26	1.28
CAIDI	117	140	262.34	117	141	151.44	101	121	157.14	170	204	220.14
SAIDI	135	194	470.77	148	213	253.81	113	162	140.52	179	257	282.29
MAIFI³			0.394			0.644			0.028			
Customers Served⁴	581,320			592,502			175,199			727,723		
Number of Sustained Interruptions	17,640			17,471			3,422			15,548		
Customers Affected	1,043,201			993,022			156,666			933,181		
Customer Minutes	273,668,942			150,384,797			24,618,648			205,427,340		
Number of Customer Momentary Interruptions	229,046			382,121			4,830					

³ MAIFI values are not available for West Penn.

⁴ Represents the average number of customers served during the reporting period.

Unique Events Occurring in Q2 2024:

Met-Ed

- Beginning Tuesday April 2, 2024, a weather system began moving through the Met-Ed service territory. The system produced wind and heavy precipitation with rain totals of approximately three inches. The maximum wind gusts associated with the system were approximately 47 miles per hour on Wednesday, April 3, 2024, and approximately 39 miles per hour on Thursday, April 4, 2024. Damage as a result of the weather system included downed trees and wires, damaged or broken poles and crossarms, and damaged transformers. High winds affected restoration efforts as crews cannot safely handle materials if winds exceed 30 mph or operate bucket trucks if winds exceed 40 mph. Approximately 68.2% of the total outages that occurred were tree related. Data indicates the reliability impact of the storm was 16.3 minutes of SAIDI, 0.0461 of SAIFI frequency, and an overall storm CAIDI of 354.9 minutes.
- Beginning Thursday May 23, 2024, a weather system began moving through the Met-Ed service territory. The system produced wind, lightning, and precipitation with rain totals of approximately 1.5 inches. The maximum wind gusts associated with the system were approximately 47 miles per hour on Thursday, April 23, 2024. Damage as a result of the weather system included downed trees and wires and damaged or broken poles and crossarms. Approximately 72% of the total outages that occurred were tree related. Data indicates the reliability impact of the storm was 15.6 minutes of SAIDI, 0.0416 of SAIFI frequency, and an overall storm CAIDI of 374.4 minutes.
- Beginning on Wednesday June 26, 2024, a weather system moved through the Met-Ed service territory. The system produced strong winds and precipitation with rain totals of approximately 2 inches. The maximum wind gusts associated with the system were approximately 55 miles per hour on Wednesday June 26, 2024. Damage as a result of the weather system included downed trees and wires, damaged or broken poles and crossarms, and tree damage. There were challenges during the restoration efforts due to the damage being in highly concentrated areas. The Easton and Stroudsburg districts were the hardest hit areas. Approximately 63% of the total outages that occurred were tree related. Data indicates the reliability impact of the storm was 48.9 minutes of SAIDI, 0.09 of SAIFI frequency, and an overall storm CAIDI of 557.4 minutes.

Penelec

- Beginning in the morning hours of Sunday, April 14, 2024, a number of storm systems moved through Pennsylvania including the Penelec service territory. The system produced heavy precipitation and high winds, with wind gusts up to 58 miles per hour in some areas. Windy conditions continued on Monday April 15, 2024, with wind gusts up to 48 miles per hour in some areas. Damage as a result of the high winds included downed trees and wires, damaged or broken poles and crossarms, and damaged transformers, arresters, and cutouts. High winds affected restoration efforts as crews cannot safely handle materials if winds exceed 30 mph or operate bucket trucks if winds exceed 40 mph. Approximately 42% of the total outages that

occurred were tree related. Some SCADA devices also lost communication with the DMS network during the storm, necessitating the manual operation of some of the devices to isolate and restore outages. Preliminary data indicates the reliability impact of the storm was 6.7 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 194.7 minutes.

Penn Power

- Beginning in the afternoon hours of Monday, June 17, 2024, a storm system moved through Pennsylvania, including the Penn Power service territory. The storm system produced rain, lightning, and wind gusts of over 30 miles per hour. Damage as a result of the high winds caused tree damage resulting in downed wires, damaged or broken poles, and damaged transformers and crossarms. The Zelienople, Clark and New Castle districts were the hardest hit areas. Approximately 63.6% of the total outages that occurred were tree related. Restoration activities were affected by high winds and terrain. Data indicates the reliability impact of the storm was 92.3 minutes of SAIDI, 0.18 of SAIFI, and an overall storm CAIDI of 506.46 minutes.

West Penn

- During the afternoon of Wednesday, April 17, 2024, storms developed along a cold front that moved through Pennsylvania, including the West Penn service territory. The storms produced precipitation, lightning, and wind gusts of approximately 47 miles per hour. Damage as a result of the high winds included downed trees and power lines, damaged and broken poles and crossarms, and damaged equipment. Approximately 55.4% of the total outages that occurred were tree related. Data indicates the reliability impact of the storm was 10.0 minutes of SAIDI, 0.029 of SAIFI, and an overall storm CAIDI of 343.2 minutes.
- Beginning in the afternoon hours of Sunday, May 26, 2024, a weather system producing lightning and heavy winds moved through Pennsylvania including the West Penn service territory. The system produced storms with heavy precipitation and high winds of approximately 51 miles per hour. Damage as a result of lightning and high winds included downed wires, and damaged and broken poles, trees, and branches. Approximately 64.3% of the total outages that occurred were tree related and an additional 2% were wind related. Data indicates the reliability impact of the storm was 6.2 minutes of SAIDI, 0.015 of SAIFI, and an overall storm CAIDI of 422.2 minutes.

Beginning the afternoon of Monday, June 17, 2024, storms producing precipitation, lightning and high winds moved through Pennsylvania including the West Penn service territory. The storms produced wind gusts of approximately 59 miles per hour. On Tuesday afternoon, June 18, 2024, as crews were restoring customers affected by the June 17, 2024, storms, another round of storms moved through the West Penn service territory. These storms produced precipitation, lightning, and wind gusts of approximately 60 miles per hour. Damage as a result of the storms included downed wires, and damaged and broken poles, trees, and branches. The Arnold, Boyce, Butler, Charleroi, and Jeannette regions were the hardest hit areas. Approximately 54.7% of the total outages that occurred were tree related and an additional 21.2% were related to line and equipment failure. Data indicates the reliability

impact of the storm was 13.0 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 297.87 minutes.

- Beginning the afternoon of Wednesday, June 26, 2024, storms producing precipitation, lightning, high winds, and multiple tornadoes moved through Pennsylvania including the West Penn service territory. According to the National Weather Service, “on the evening of June 26th, 2024, just before 7:30 PM, a small but intense squall line rapidly developed producing widespread straight-line wind damage and spawning four tornadoes.” Three of the tornadoes, an EF-2 with estimated peak winds of 115 miles per hour, an EF-1 with estimated peak winds of 110 miles per hour, and an EF-0 with estimated peak winds of 75 miles per hour touched down in the West Penn service territory. Damage as a result of the storms and tornados included downed wires, damaged and broken poles, and extensive tree damage. The Butler and Jeannette regions were the hardest hit areas. Approximately 68.5% of the total outages that occurred were tree related and an additional 12.5% were related to line and equipment failure. Data indicates the reliability impact of the storm was 11.9 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 399.12 minutes.

Section 57.195(e)(3): Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system. An explanation of how the EDC defines its worst performing circuits shall be included.

Worst Performing Circuits – Reliability Indices

The methodology used to identify worst performing circuits is based on both SAIFI and SAIDI. The methodology consists of the following steps:

1. For each circuit, calculate a circuit SAIFI using only distribution-caused outages.
2. Select the worst 20% of circuits based on the highest circuit SAIFI.
3. Rank the selected circuits based on SAIDI using only distribution-caused customer minutes.
4. Select 5% of the circuits based on the highest customer minutes. These circuits are then identified as the worst performing circuits.

Met-Ed, Penelec, Penn Power, and West Penn’s rankings of the 5% Worst Performing Circuits are provided in Attachment A to this report.

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

Section 57.195(e)(4): Specific remedial efforts taken and planned for the worst performing 5% of the circuits identified in paragraph (3).

Worst Performing Circuits – Remedial Actions

Met-Ed, Penelec, Penn Power, and West Penn’s Remedial Actions for Worst Performing Circuits are provided in Attachment B to this report.

Section 57.195(e)(5): A rolling 12-month breakdown and analysis of outage causes during the preceding 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 identified service problems shall be reported.

The Outage by Cause tables included below identify only the causes that occurred during the current timeframe and are not an exhaustive list of all possible outage causes.

Outages by Cause – Met-Ed

Outage by Cause				
2nd Quarter 2024 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees Off Row-Tree	134,748,001	4,299	307,314	49.24%
Unknown	29,830,275	2,212	153,654	10.90%
Equipment Failure	28,258,040	2,808	147,250	10.33%
Trees Off Row-Limb	26,400,987	1,646	73,011	9.65%
Forced Outage	13,555,662	939	161,695	4.95%
Vehicle	8,559,734	464	56,116	3.13%
Trees On Row	8,208,252	318	17,838	3.00%
Line Failure	6,111,980	673	24,809	2.23%
Animal	4,297,468	2,156	37,109	1.57%
Wind	2,790,273	155	8,540	1.02%
Lightning	2,647,325	249	12,392	0.97%
Trees - Sec/Service	1,681,381	660	2,252	0.61%
Ice	1,676,944	18	3,097	0.61%
Object Contact With Line	1,248,229	48	7,166	0.46%
Human Error - Company	884,164	34	9,882	0.32%
Human Error -Non-Company	723,627	67	3,757	0.26%
Bird	642,884	725	8,431	0.23%
Fire	450,937	9	1,169	0.16%
Overload	341,772	54	2,113	0.12%
Ug Dig-Up	221,467	31	627	0.08%
Previous Lightning	169,267	21	658	0.06%
Switching Error	80,867	10	3,822	0.03%
Other Electric Utility	66,079	7	147	0.02%
Other Utility-Non Elec	47,111	5	217	0.02%
Customer Equipment	25,379	30	132	0.01%
Contamination	837	2	3	0.00%
Total	273,668,942	17,640	1,043,201	100%

Proposed Solutions – Met-Ed

Met-Ed analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 2024 and associated actions designed to address these outage causes.

To address outages caused by trees, Met-Ed performs cycle-based tree trimming which removes selected incompatible trees within the clearing zone corridor, removes certain defective limbs that are overhanging primary conductors, controls selected incompatible brush, and removes off-ROW priority trees. Met-Ed is limited in its ability to legally address all forms of off-right-of-way (“ROW”) tree management. However, Met-Ed is legally permitted to identify priority off-ROW trees that are dead, dying, diseased, leaning, and significantly encroaching the corridor and remove those trees when customer consent is obtained or easement rights permit. Trees identified as a potential cause of a future outage are removed to prevent an interruption of electrical service to Met-Ed’s customers. Met-Ed continues its program to mitigate trees subject to damage from the Emerald Ash Borer.

To reduce the likelihood of equipment failure outages, Met-Ed follows inspection and maintenance (“I&M”) programs⁵ that set forth schedules for regular inspections of distribution and substation facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, radio-controlled switches, substations, and reclosers. Equipment identified is repaired or replaced as appropriate.

⁵ Pursuant to Pa. Code § 57.198(a), every two years an electric distribution company shall file with the Commission a biennial plan for the periodic inspection, maintenance, repair, and replacement of its facilities. The Company submitted their Biennial Inspection, Maintenance, Repair and Replacement Plan for the period January 1, 2023 through December 31, 2024 on April 28, 2023 which was deemed approved on July 17, 2023 pursuant to 52 Pa. Code § 57.198(i). On February 5, 2024, revised FE PA Rate District I&M plans related to pole inspections were approved by the Commission at Docket No. M-2009-2094773 and M-2023-3039027.

Outages by Cause – Penelec

Outage by Cause				
2nd Quarter 2024 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees Off Row-Tree	61,466,633	3,142	261,798	40.87%
Equipment Failure	24,886,261	2,851	189,458	16.55%
Line Failure	14,694,962	1,850	117,875	9.77%
Forced Outage	9,595,518	1,408	88,208	6.38%
Unknown	8,637,120	2,419	113,323	5.74%
Lightning	7,336,907	718	47,388	4.88%
Trees Off Row-Limb	4,907,361	570	34,042	3.26%
Vehicle	4,841,094	414	43,585	3.22%
Wind	4,328,492	282	18,092	2.88%
Animal	3,880,434	1,738	40,527	2.58%
Other Electric Utility	1,037,004	116	3,128	0.69%
Bird	940,283	581	9,129	0.63%
Human Error -Non-Company	847,889	86	5,124	0.56%
Trees - Sec/Service	806,907	825	2,771	0.54%
Overload	698,852	40	4,328	0.46%
Trees On Row	433,790	83	1,641	0.29%
Ice	333,026	57	1,877	0.22%
Object Contact With Line	209,045	59	757	0.14%
Human Error - Company	192,209	53	5,073	0.13%
Ug Dig-Up	133,630	58	827	0.09%
Switching Error	58,466	8	2,363	0.04%
Customer Equipment	54,199	18	861	0.04%
Vandalism	20,240	19	504	0.01%
Contamination	20,194	41	193	0.01%
Previous Lightning	13,453	24	94	0.01%
Fire	8,832	8	48	0.01%
Other Utility-Non Elec	1,875	2	7	0.00%
Call Error	121	1	1	0.00%
Total	150,384,797	17,471	993,022	100%

Proposed Solutions – Penelec

Penelec analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 2024 and the associated actions designed to address these outage causes.

To address outages caused by trees, Penelec performs cycle-based tree trimming which removes selected incompatible trees within the clearing zone corridor, removes certain defective limbs that are overhanging primary conductors, controls selected incompatible brush, and removes off-ROW priority trees. Penelec is limited in its ability to legally address all forms of off-ROW tree management. However, Penelec is legally permitted to identify priority off-ROW trees that are dead, dying, diseased, leaning, and significantly encroaching the corridor and remove those trees when customer consent is obtained or easement rights permit. Trees identified as a potential cause of a future outage are removed to prevent an interruption of electrical service to Penelec's customers. Penelec continues its program to mitigate trees subject to damage from the Emerald Ash Borer.

To reduce the likelihood of outages caused by equipment and line failure, Penelec follows I&M programs that set forth schedules for regular inspections of distribution and substation facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, radio-controlled switches, substations, and reclosers. Equipment identified is repaired or replaced as appropriate.

Outages by Cause – Penn Power

Outage by Cause				
2nd Quarter 2024 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	12,107,707	782	43,759	49.18%
Equipment Failure	2,577,108	319	20,465	10.47%
Line Failure	2,344,556	419	15,546	9.52%
Trees Off Row-Limb	2,312,987	283	10,426	9.40%
Unknown	1,370,058	211	28,071	5.57%
Vehicle	927,578	105	6,352	3.77%
Lightning	794,979	185	7,798	3.23%
Animal	564,911	390	6,540	2.29%
Forced Outage	535,153	88	10,107	2.17%
Bird	315,656	423	3,336	1.28%
Trees - Sec/Service	197,029	113	356	0.80%
Object Contact With Line	184,636	13	1,703	0.75%
Call Error	100,289	2	371	0.41%
Trees On Row	79,974	8	176	0.32%
Ug Dig-Up	59,637	37	674	0.24%
Wind	57,158	2	47	0.23%
Overload	40,986	5	622	0.17%
Human Error -Non-Company	35,887	14	152	0.15%
Human Error - Company	5,667	8	98	0.02%
Previous Lightning	3,891	6	44	0.02%
Customer Equipment	1,558	7	15	0.01%
Fire	1,243	2	8	0.01%
Total	24,618,648	3,422	156,666	100%

Proposed Solutions – Penn Power

Penn Power analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 2024 and the associated actions designed to address these outage causes.

To address outages caused by trees, Penn Power performs tree trimming which removes selected incompatible trees within the clearing zone corridor, removes certain defective limbs that are overhanging primary conductors, controls selected incompatible brush, and removes off-ROW priority trees. Penn Power is limited in its ability to legally address all forms of off-ROW tree management. However, Penn Power is legally permitted to identify priority off-ROW trees that are dead, dying, diseased, leaning, and significantly encroaching the corridor and remove those trees when customer consent is obtained or easement rights permit. Trees identified as a potential cause of a future outage are removed to prevent an interruption of electrical service to Penn Power's customers. Penn Power continues its program to mitigate trees subject to damage from the Emerald Ash Borer

To reduce the likelihood of outages caused by equipment and line failure outages, Penn Power follows I&M programs that set forth schedules for regular inspections of distribution facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, and reclosers. Equipment identified is repaired or replaced as appropriate.

Outages by Cause – West Penn

Outage by Cause				
2nd Quarter 2024 12-Month Rolling	West Penn			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees Off Row-Tree	105,908,885	4,495	266,878	51.56%
Unknown	19,269,739	1,641	159,839	9.38%
Line Failure	17,713,863	1,857	86,578	8.62%
Equipment Failure	14,769,850	1,947	93,464	7.19%
Vehicle	11,151,144	544	62,301	5.43%
Trees Off Row-Limb	10,017,073	642	45,812	4.88%
Forced Outage	7,833,562	1,117	120,788	3.81%
Animal	5,176,398	1,584	28,313	2.52%
Wind	4,324,723	236	15,252	2.11%
Lightning	3,552,672	226	17,597	1.73%
Trees On Row	1,802,166	128	5,698	0.88%
Bird	858,334	484	8,361	0.42%
Object Contact With Line	812,268	36	4,728	0.40%
Other Electric Utility	703,694	9	1,147	0.34%
Human Error -Non-Company	495,963	57	3,531	0.24%
Trees - Sec/Service	394,471	400	1,154	0.19%
Ug Dig-Up	224,085	70	848	0.11%
Human Error - Company	210,484	27	9,697	0.10%
Overload	147,919	14	1,013	0.07%
Fire	25,367	8	77	0.01%
Ice	23,798	6	57	0.01%
Vandalism	5,347	4	12	0.00%
Customer Equipment	4,164	12	28	0.00%
Previous Lightning	1,038	2	4	0.00%
Other Utility-Non Elec	333	2	4	0.00%
Total	205,427,340	15,548	933,181	100%

Proposed Solutions – West Penn

West Penn analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 2024, and the associated actions designed to address these outage causes.

To address outages caused by trees, West Penn performs cycle-based tree trimming which removes selected incompatible trees within the clearing zone corridor, removes certain defective limbs that are overhanging primary conductors, controls selected incompatible brush, and removes off-ROW priority trees. West Penn is legally limited in its ability to address all forms of off-ROW tree management. However, West Penn is legally permitted to identify priority off-ROW trees that are dead, dying, diseased, leaning, and significantly encroaching the corridor and remove those trees when customer consent is obtained or easement rights permit. Trees identified as a potential cause of a future outage are removed to prevent an interruption of electrical service to West Penn's customers. West Penn continues its program to mitigate trees subject to damage from the Emerald Ash Borer.

To reduce the likelihood of equipment and line failures, West Penn follows I&M programs that set forth schedules for regular inspections of distribution and substation facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, substations, and reclosers. Equipment identified is repaired or replaced as appropriate.

Section 57.195(e)(6): Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/objectives (for first, second, and third quarter reports only).

Inspection and Maintenance		Met-Ed			Penelec			Penn Power			West Penn		
2024		Planned	Completed		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD
Forestry	Transmission (Miles)	272	154	56.5%	430	313	72.9%	171	92.7	54.1%	211	200	94.4%
	Distribution (Miles)	2,857	1,094	38.3%	3,828	1,248	32.6%	1,069	310	29.0%	4,535	2,102	46.3%
Transmission	Aerial Patrols	2	1	50.0%	2	1	50.0%	2	1.0	50.0%	2	1	50.0%
	Groundline	1,652	843	51.0%	2,485	0	0.0%	975	0	0.0%	424	0	0.0%
Substation	Substation Inspections Class A	420	420	100.0%	776	388	50.0%	150	75	50.0%	936	468	50.0%
	Substation Inspections Class B	420	420	100.0%	776	388	50.0%	150	75	50.0%	936	468	50.0%
	Substation Inspections Class C	1,680	940	56.0%	3,104	1,551	50.0%	600	300	50.0%	3,744	1,881	50.2%
	Transformers	140	119	85.0%	407	338	83.0%	9	6	66.7%	375	274	73.1%
	Breakers	65	21	32.3%	323	236	73.1%	12	3	25.0%	362	211	58.3%
	Relay Schemes	267	92	34.5%	322	249	77.3%	24	17	70.8%	203	8	3.9%
Distribution	Capacitors	4,822	4,831	100.0%	8,583	8,583	100.0%	945	945	100.0%	3,823	3,823	100.0%
	Poles	38,000	14,392	37.9%	41,509	0	0.0%	10,743	7,408	69.0%	46,650	0	0.0%
	Reclosers	3,531	2,963	83.9%	3,926	2,492	63.5%	1,239	0	0.0%	4,470	3,794	84.9%
	Radio-Controlled Switches	1,800	900	50.0%	2,666	1,333	50.0%	Penn Power has no radio-controlled switches			West Penn has no radio-controlled switches		

General Note: Unless specified otherwise, all inspections are reported on a unit basis rather than on a location basis.

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

*Section 57.195(e)(7): Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures in total and detailed by the EDC's own functional account code as available. (For first, second, and third quarter reports only)
Budgeted vs. Actual T&D Operation & Maintenance Expenditures⁶*

This portion of the report is confidential

⁶ Budgets are subject to change.

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

Budgeted vs. Actual T&D Operation & Maintenance Expenditures⁷

Section 57.195(e)(8): Quarterly and year-to-date information on budgeted versus actual transmission and distribution capital expenditures in total and detailed by the EDC's own functional account code or FERC account code as available. (For first, second, and third quarter reports only).

This portion of the report is confidential

⁷ Budgets are subject to change.

Section 57.195(e)(9): Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (for example, linemen, technician, and electrician).⁸

Staffing Levels

Met-Ed 2024												
		Staffing Level ⁹				Staff Added in Quarter		Staff Movement Quarter	Staff lost in Quarter			Plan to Hire in 2024 ¹⁰
Department	Position	1Q ¹¹	2Q	3Q	4Q	New Hire	Other ¹²	Movement within Position ¹³	Retirement	Voluntary Separation	Other ¹⁴	
Distribution	Line Leader	45	45				2		1		1	
	Line Troubleshooter	38	35						2		1	
	Lineman	159	155				1			1	4	19
Substation	Substation Leader	15	15				1				1	
	Substation Employee	69	66				1			1	3	
Transmission	Line Leader	3	2						1			
	Lineman	10	10									
Total		339	328				5		4	2	10	19

⁸ As ordered on March 30, 2015 at Docket Nos. D-2014-2365991, D-2014-2365992, D-2014-2365993, and D-2014-2365994, *Implementation Plan of the Focused Management Audit of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company, and West Penn Power Company* (Appendix A) (5), the Companies are directed to provide additional detail as described below in the staff reporting section in the Quarterly Reliability Reports. Specifically, for each staff member added, the Companies provide information on whether they were a new hire, whether they were already at the journeyman level, or whether they had obtained some other experienced level of training. For each staff member lost, the Companies provide the reason for the loss (retirement, voluntary separation, etc.). Additionally, the Companies also disclose the number of staff in each category that each one is planning to hire in the next calendar year.

⁹ Staffing level includes active employees with an assignment status of active - payroll eligible, leave of absence - payroll eligible, or military leave - payroll eligible.

¹⁰ Hiring plan was not available on the 4Q 2023 Reliability Report but has been updated on 2Q staffing information with 2024 new hires. PA transmission hiring plan is not available as the information is not separated by state.

¹¹ Staffing for Q1 Distribution Line Leader changed from 43 employees to reflect 45 employees and Distribution Lineman from 160 employees to reflect 159 employees.

¹² Includes transfers and promotions.

¹³ Includes transfers, promotions, and progression within a position.

¹⁴ Includes transfers, voluntary separations, promotions, and assignment changes for extended disability and long-term disability.

Penelec 2024												
		Staffing Level ¹⁵				Staff Added in Quarter		Staff Movement Quarter	Staff Lost in Quarter			Plan to Hire in 2024 ¹⁶
Department	Position	1Q ¹⁷	2Q	3Q	4Q	New Hire	Other ¹⁸	Movement within Position ¹⁹	Retirement	Voluntary Separation	Other ²⁰	
Distribution	Line Leader	55	55				2		1		1	
	Line Troubleshooter	81	79				1		1		2	
	Lineman	154	151				2	42	1		4	28
Substation	Substation Leader	32	33				2	16			1	
	Substation Employee	58	58				2				2	3
Transmission	Line Leader	8	7								1	
	Lineman	17	18				1					
Total		405	401				10	58	3		11	31

¹⁵ Staffing level includes active employees with an assignment status of active - payroll eligible, leave of absence - payroll eligible, or military leave - payroll eligible.

¹⁶ Hiring plan was not available on the 4Q 2023 Reliability Report but has been updated on 2Q staffing information with 2024 new hires. PA transmission hiring plan is not available as the information is not separated by state.

¹⁷ Staffing for Q1 Transmission Line Leader changed from 7 employees to reflect 8 employees.

¹⁸ Includes transfers, promotions, and assignment changes for extended disability or long-term disability.

¹⁹ Includes transfers, promotions, and progression within a position.

²⁰ Includes transfers, voluntary separations, and promotions.

Penn Power 2024												
		Staffing Level ²¹				Staff Added in Quarter		Staff Movement Quarter	Staff Lost in Quarter			Plan to Hire in 2024 ²²
Department	Position	1Q ²³	2Q	3Q	4Q	New Hire	Other ²⁴	Movement within Position ²⁵	Retirement	Voluntary Separation	Other ²⁶	
Distribution	Line Leader	24	25				2				1	
	Line Troubleshooter	15	15				1				1	
	Lineman	46	47				4	2		1	2	3
Substation	Substation Leader	5	5									
	Substation Employee	19	19									
Transmission	Line Leader	1	1									
	Lineman	6	6									
Total		116	118				7	2		1	4	3

²¹ Staffing level includes active employees with an assignment status of active - payroll eligible, leave of absence - payroll eligible, or military leave - payroll eligible.

²² Hiring plan was not available on the 4Q 2023 Reliability Report but has been updated on 2Q staffing information with 2024 new hires. PA transmission hiring plan is not available as the information is not separated by state.

²³ Staffing for Q1 Substation Employee changed from 17 employees to reflect 19 employees.

²⁴ Includes transfers, promotions, and assignment changes for extended disability or long-term disability.

²⁵ Includes transfers, promotions, and progression within a position.

²⁶ Includes transfers, voluntary separations, and assignments changes for extended disability and long-term disability.

West Penn 2024												
		Staffing Level ²⁷				Staff Added in Quarter		Staff Movement Quarter	Staff Lost in Quarter			
Department	Position	1Q	2Q	3Q	4Q	New Hire	Other ²⁸	Movement within Position ²⁹	Retirement	Voluntary Separation	Other ³⁰	Plan to Hire in 2024 ³¹
Distribution	Line Leader	78	77				6		1		6	
	Line Troubleshooter	50	52				6				4	
	Lineman	158	156			2	7	36			11	16
Substation	Substation Leader	23	26				4				1	
	Substation Employee	85	81				1	10	1		4	4
Transmission	Line Leader	2	2									
	Lineman	11	11									
Total		407	405			2	24	46	2		26	20

²⁷ Staffing level includes active employees with an assignment status of active - payroll eligible, leave of absence - payroll eligible, or military leave - payroll eligible.

²⁸ Includes transfers, promotions, and assignment changes for extended disability or long term disability.

²⁹ Includes transfers, promotions, and progression within a position.

³⁰ Includes transfers, promotions, involuntary separations, and assignment changes for extended disability and long-term disability.

³¹ Hiring plan was not available on the 4Q 2023 Reliability Report but has been updated on 2Q staffing information with 2024 new hires. PA transmission hiring plan is not available as the information is not separated by state.

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

Section 57.195(e)(10): Quarterly and year-to-date information on contractor hours and dollars for transmission and distribution operation and maintenance.

Contractor Expenditures

Certain Contractor expenses are billed on a lump-sum basis. As a result, hourly information is not available.

This portion of the report is confidential

Section 57.195(e)(11): Monthly call-out acceptance rate for transmission and distribution maintenance workers presented in terms of both the percentage of accepted calls-out and the amount of time it takes the EDC to obtain the necessary personnel. A brief description of the EDC's call-out procedure should be included when appropriate.

Call-out Acceptance Rate

Call-out percentage is defined as the number of workers accepting to total call outs.

This portion of the report is confidential

Call-out Response

This portion of the report is confidential

Call-Out Procedure:

When an event occurs, Met-Ed, Penelec, Penn Power, and West Penn dispatch a troubleman to find and assess the cause of the outage. If the troubleman is unable to repair the damage and a crew is required, the troubleman will inform the Distribution Control Center (“DCC”). The on-duty DCC person or Customer Operations Center person, or both, will then initiate the call-out process until desired staffing levels required to complete the restoration have been achieved.

The number of unique workers called for an outage event is recorded and represents the total calls, or opportunities, for an outage event. The number of unique workers who accept the opportunity is recorded and represents the workers accepting. The elapsed time is calculated by taking the date and time of the first employee called for an event minus the date and time of the last accepting employee for that event. The call-out results from all outages experienced during a particular month are added together to derive a total value for each field.

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	No Bangor	00813-3	Easton	1,370	109	0	5,093,206	11,940	8.76	3717.669	8.715	426.5667	0.000
2	Mountain Substation	00744-4	Dillsburg	1,878	114	0	4,423,474	7,255	7.61	2355.417	3.863	609.7139	0.007
3	Barto Sub	00706-1	Boyertown	3,022	271	0	4,242,825	10,573	7.30	1403.979	3.499	401.2887	0.353
4	Shawnee Sub	00899-3	Stroudsburg	1,704	71	4	3,296,406	10,987	5.67	1934.511	6.448	300.0279	3.204
5	S Nazareth	00809-3	Easton	3,205	82	1	3,264,778	9,260	5.62	1018.651	2.889	352.5678	0.697
6	Ottsville	00661-3	Easton	610	117	1	3,100,164	7,305	5.33	5082.236	11.975	424.3893	2.137
7	Richmond Subst	00104-3	Easton	521	35	3	3,025,109	2,687	5.20	5806.351	5.157	1125.831	0.000
8	Glendon	00818-3	Easton	1,638	37	1	2,999,593	5,333	5.16	1831.253	3.256	562.4588	0.000
9	Ottsville Substation	00660-3	Easton	889	102	0	2,943,013	5,623	5.06	3310.476	6.325	523.3884	0.000
10	Mountain	00743-4	Dillsburg	1,037	56	0	2,729,835	8,178	4.70	2632.435	7.886	333.8023	0.341
11	Shawnee Sub	00822-3	Stroudsburg	2,919	61	1	2,708,882	9,303	4.66	928.017	3.187	291.1837	1.803
12	Fox Hill Subst	00816-3	Stroudsburg	3,373	59	1	2,402,376	11,885	4.13	712.237	3.524	202.1351	1.598
13	Ringing Rocks Sub	00708-1	Boyertown	2,511	84	0	2,170,315	6,047	3.73	864.323	2.408	358.9077	0.006
14	Shawnee	00895-3	Stroudsburg	3,850	106	1	2,160,339	12,343	3.72	561.127	3.206	175.0254	2.032
15	Lorane	00560-1	Reading	1,159	49	1	2,117,704	3,283	3.64	1827.182	2.833	645.0515	1.070
16	S Hamb Sub	00740-1	Hamburg	1,286	88	0	2,098,534	4,419	3.61	1631.830	3.436	474.8889	0.654
17	Bridgeton Sub	00117-3	Easton	298	27	1	2,069,035	1,999	3.56	6943.070	6.708	1035.035	0.552
18	Flyhills	00776-1	Reading	1,493	52	1	2,026,745	4,900	3.49	1357.498	3.282	413.6214	0.013
19	Fox Hill Subst	00852-3	Stroudsburg	792	58	1	2,009,966	5,361	3.46	2537.836	6.769	374.9237	0.000
20	Raubsville St	00079-3	Easton	802	44	0	2,000,102	2,024	3.44	2493.893	2.524	988.1927	0.000
21	Flying Hills Sub	00777-1	Reading	1,804	124	0	1,994,179	7,072	3.43	1105.421	3.920	281.9823	1.656
22	Lynnville Sub	00737-1	Hamburg	1,091	97	1	1,990,194	3,315	3.42	1824.192	3.038	600.3602	2.780
23	North Cornwall Sub	00610-2	Lebanon	2,336	80	0	1,978,600	10,260	3.40	847.003	4.392	192.846	1.070
24	Glendon	00805-3	Easton	1,002	28	2	1,944,438	2,541	3.34	1940.557	2.536	765.2255	0.000
25	Round Tp	00582-4	Dillsburg	730	71	1	1,933,694	3,952	3.33	2648.896	5.414	489.295	0.486
26	Raubsville St	00095-3	Easton	530	50	1	1,835,039	2,814	3.16	3462.338	5.309	652.1105	0.000

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
27	Lyons	00729-1	Reading	1,363	131	0	1,831,249	5,560	3.15	1343.543	4.079	329.3613	0.427
28	Paint Sk	00650-1	Reading	1,773	36	3	1,821,009	9,032	3.13	1027.078	5.094	201.6175	0.000
29	W Boyertown Sub	00715-1	Boyertown	1,718	85	1	1,798,708	6,100	3.09	1046.978	3.551	294.8702	0.000
30	Northwood Sub	00802-3	Easton	538	20	3	1,775,069	2,464	3.05	3299.385	4.580	720.4014	1.419
31	Stroudsburg	00610-3	Stroudsburg	909	23	0	1,773,483	4,597	3.05	1951.026	5.057	385.7914	0.866
32	W Boyertown Sub	00714-1	Boyertown	1,886	95	1	1,750,156	7,729	3.01	927.972	4.098	226.4402	0.935
33	S Hamb Sub	00743-1	Hamburg	1,180	80	0	1,733,044	2,940	2.98	1468.681	2.492	589.4707	0.000
34	Mohnton	00144-1	Reading	976	23	1	1,690,170	2,504	2.91	1731.732	2.566	674.988	0.000
35	Huffs Church	00600-1	Boyertown	1,518	209	0	1,675,078	6,700	2.88	1103.477	4.414	250.0116	0.622
36	Glendon	00820-3	Easton	300	30	2	1,647,329	2,161	2.83	5491.097	7.203	762.2994	0.000
37	Angelica Sub	00129-1	Reading	708	33	2	1,578,965	2,437	2.72	2230.177	3.442	647.9134	0.996
38	Birdsboro	00756-1	Reading	1,540	141	0	1,571,957	8,914	2.70	1020.751	5.788	176.347	3.488
39	Shawnee Sub	00815-3	Stroudsburg	1,620	68	0	1,560,002	4,057	2.68	962.964	2.504	384.5211	0.188

2nd Quarterly 2024 Reliability Report
for period ending June 30, 2024

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Warren South	00220-41	Warren	2,848	111	0	3,461,658	11,795	5.84	1215.470	4.142	293.485	1.029
2	Falls	00297-65	Montrose	843	44	0	2,097,363	3,073	3.54	2487.975	3.645	682.513	4.816
3	Union City	00208-43	Erie	1,613	77	0	2,013,584	6,502	3.40	1248.347	4.031	309.687	2.214
4	Tiffany	00435-65	Montrose	1,305	34	2	1,719,893	5,100	2.90	1317.926	3.908	337.234	0.055
5	Thompson	00446-65	Montrose	1,289	104	0	1,553,186	5,428	2.62	1204.954	4.211	286.143	0.000
6	Natl Forge Sw Sta	00577-41	Warren	1,222	47	0	1,552,496	7,432	2.62	1270.455	6.082	208.893	3.229
7	Thompson	00436-65	Montrose	1,386	85	1	1,408,853	4,165	2.38	1016.488	3.005	338.26	1.908
8	Russell Hill	00282-65	Montrose	1,050	56	1	1,398,924	5,255	2.36	1332.309	5.005	266.208	0.355
9	Grover	00527-63	Towanda	1,108	79	0	1,365,586	3,343	2.30	1232.478	3.017	408.491	0.401
10	Union Cy	00206-43	Erie	2,562	103	1	1,361,642	5,843	2.30	531.476	2.281	233.038	0.407
11	North Warren	00207-41	Warren	1,403	53	1	1,346,078	4,061	2.27	959.428	2.895	331.465	2.132
12	Lake Como	00788-65	Montrose	657	33	1	1,279,178	2,906	2.16	1946.998	4.423	440.185	0.288
13	N Meshoppen Tran	00534-65	Montrose	898	64	1	1,176,895	6,222	1.99	1310.573	6.929	189.151	1.502
14	Madera	00166-22	Philipsburg	2,179	83	0	1,171,088	5,892	1.98	537.443	2.704	198.759	0.000
15	Thompson	00442-65	Montrose	677	36	0	1,092,707	3,055	1.84	1614.043	4.513	357.678	2.188
16	Tunkhannock	00533-65	Montrose	1,279	62	1	1,067,279	3,253	1.80	834.464	2.543	328.091	4.241
17	Sprgboro	00237-52	Meadville	2,841	105	0	1,059,715	5,657	1.79	373.008	1.991	187.328	0.002
18	Rockwood	00023-12	Somerset	234	14	0	1,050,649	1,086	1.77	4489.953	4.641	967.448	3.406
19	Rolling Meadows	00249-31	Erie	2,149	27	2	974,722	5,375	1.65	453.570	2.501	181.344	0.000
20	Buckeye Blaine	00136-83	Shippensburg	918	58	1	915,221	3,463	1.54	996.973	3.772	264.286	0.002
21	Brookville	00125-23	Dubois	630	29	2	901,263	1,722	1.52	1430.576	2.733	523.382	1.294
22	Hooversville	00019-12	Somerset	1,650	45	0	829,674	4,737	1.40	502.833	2.871	175.148	0.646
23	Lewis Run	00409-42	Bradford	751	27	0	822,638	2,488	1.39	1095.390	3.313	330.642	0.888
24	Marienville	00328-51	Oil City	1,235	40	0	813,065	2,315	1.37	658.352	1.874	351.216	1.084
25	Platea	00432-34	Erie	644	71	1	770,101	3,533	1.30	1195.809	5.486	217.974	0.090
26	East Sayre	00518-61	Towanda	981	41	1	742,811	2,323	1.25	757.198	2.368	319.764	0.513
27	Walnut Street	00522-31	Erie	2,093	22	1	729,477	4,236	1.23	348.532	2.024	172.209	0.000
28	Green Garden	00531-31	Erie	880	10	0	714,354	1,891	1.21	811.766	2.149	377.765	0.403

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Laurel Lake Sub Tran	00449-65	Montrose	541	43	3	704,084	4,161	1.19	1301.449	7.691	169.21	2.917
30	Avery	00791-65	Montrose	388	24	2	701,665	1,305	1.18	1808.415	3.363	537.674	0.003
31	Lenox	00755-65	Montrose	715	54	0	692,966	1,948	1.17	969.183	2.724	355.732	0.000
32	Timblin	00103-23	Dubois	713	35	1	678,704	4,330	1.15	951.899	6.073	156.745	1.254
33	Ppl West	PL097-62	Towanda	102	15	9	672,888	1,438	1.14	6596.941	14.098	467.933	0.000
34	Athens	00514-61	Towanda	789	22	2	636,956	1,933	1.08	807.295	2.450	329.517	0.032
35	Brooklyn	00749-65	Montrose	533	37	0	623,106	1,302	1.05	1169.054	2.443	478.576	0.000
36	Salix	00070-11	Johnstown	2,279	35	0	607,246	4,193	1.02	266.453	1.840	144.824	1.531
37	Meshoppen	00283-65	Montrose	403	21	0	589,795	1,447	1.00	1463.511	3.591	407.598	4.517
38	Lake Como	00786-65	Montrose	334	15	2	589,218	1,058	0.99	1764.126	3.168	556.917	0.000
39	Madera	00147-22	Philipsburg	1,100	20	1	572,851	4,005	0.97	520.774	3.641	143.034	0.633
40	Rockton Mountain	00138-21	Clearfield	506	33	0	563,379	1,259	0.95	1113.397	2.488	447.481	0.014
41	Piney	00523-51	Oil City	1,544	69	0	556,015	2,488	0.94	360.113	1.611	223.479	0.199
42	Oxbow	00555-65	Montrose	752	44	0	546,205	2,764	0.92	726.336	3.676	197.614	0.902
43	Shippbrg	00630-83	Shippensburg	1,804	54	0	544,265	4,806	0.92	301.699	2.664	113.247	0.051
44	Saxton	00625-73	Altoona	1,331	35	0	539,052	2,445	0.91	404.998	1.837	220.471	0.755
45	East Towanda	00525-62	Towanda	689	46	0	534,610	1,686	0.90	775.922	2.447	317.088	0.991
46	Blairsville East	00080-13	Indiana	1,038	19	0	511,241	2,354	0.86	492.525	2.268	217.18	0.758
47	Farmers Valley	00414-42	Bradford	740	18	0	507,875	1,430	0.86	686.318	1.932	355.157	1.945
48	Port Allegany	00151-42	Bradford	502	28	0	490,671	901	0.83	977.432	1.795	544.585	0.962
49	Millcreek	00052-11	Johnstown	1,041	14	0	487,682	3,551	0.82	468.475	3.411	137.337	0.000
50	Vail	00647-22	Philipsburg	589	16	3	469,055	2,165	0.79	796.358	3.676	216.654	0.000
51	Meyersdale North	00022-12	Somerset	1,583	47	0	463,305	4,412	0.78	292.675	2.787	105.01	1.793
52	Ashville	00061-71	Altoona	500	11	0	447,843	914	0.76	895.686	1.828	489.981	0.000
53	Fairview East	00218-34	Erie	1,039	27	0	435,452	2,465	0.73	419.107	2.372	176.654	0.166
54	Lowell Avenue	00518-31	Erie	892	20	1	423,029	6,482	0.71	474.248	7.267	65.2621	3.486
55	Mt Union	00154-82	Lewistown	1,183	26	1	417,505	3,052	0.70	352.921	2.580	136.797	0.017

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
56	Strodes Mill	00113-81	Lewistown	475	20	2	417,350	1,341	0.70	878.632	2.823	311.223	0.002
57	Spangler	00052-72	Altoona	1,512	20	1	410,828	3,137	0.69	271.712	2.075	130.962	0.000
58	Bellwood North	00934-22	Philipsburg	865	32	0	402,801	2,479	0.68	465.666	2.866	162.485	0.000
59	Marienville	00327-51	Oil City	760	30	0	397,647	1,607	0.67	523.220	2.114	247.447	0.987
60	Laurel L	00769-65	Montrose	497	16	2	390,934	2,069	0.66	786.588	4.163	188.948	0.000
61	North Towanda	00521-62	Towanda	1,035	59	0	384,661	2,906	0.65	371.653	2.808	132.368	0.927
62	Boyer	00584-31	Erie	1,710	26	1	380,623	3,456	0.64	222.587	2.021	110.134	1.949

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

Penn Power													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Sharpsville	W-218	Clark	1,420	28	0	1,202,421	2,388	6.86	846.775	1.682	503.52638	0.000
2	Sharpsville	W-219	Clark	1,887	21	0	943,348	1,858	5.38	499.919	0.985	507.72228	0.000
3	Camp Reynolds	W-134	Clark	1,888	82	0	647,301	3,953	3.69	342.85	2.094	163.7493	0.000
4	Perry	W-156	Clark	1,164	53	0	522,263	1,293	2.98	448.68	1.111	403.9157	0.000
5	Richard	W742	Zelienople	1,548	19	1	513,108	4,087	2.93	331.465	2.640	125.54637	0.110
6	Hartstown	W-126	Clark	2,281	71	0	495,639	3,049	2.83	217.29	1.337	162.55789	0.000
7	Conneaut	W-173	Clark	1,931	33	0	483,079	2,365	2.76	250.17	1.225	204.26173	0.000
8	Mercer	W-128	Clark	1,253	58	0	475,441	1,252	2.71	379.442	0.999	379.74521	0.024
9	Mars	D616	Zelienople	1,548	31	1	454,908	2,565	2.60	293.868	1.657	177.35205	0.040
10	Wheatland	W-150	Clark	1,524	22	1	433,012	2,021	2.47	284.129	1.326	214.25631	0.000

West Penn												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
1	Normalville	Mill Run	Pleasant Valley	578	35	1	2,850,251	2,624	3.917	4931.230	4.540	1086.224
2	Iron Bridge	Bridgeport	Pleasant Valley	1,276	24	3	2,619,138	4,314	3.600	2052.616	3.381	607.125
3	Rutan	Bristoria	Jefferson	723	41	0	2,105,106	4,057	2.894	2911.627	5.611	518.882
4	Normalville	Indianhead	Pleasant Valley	562	29	0	1,634,728	1,020	2.247	2908.769	1.815	1602.675
5	Vanceville	Vanceville	Charleroi	1,379	66	0	1,583,595	4,280	2.177	1148.365	3.104	369.999
6	Waterville	Waterville	State College	363	25	2	1,563,674	3,208	2.149	4307.642	8.837	487.430
7	Pangburn Hill	Pangburn Hill	Charleroi	741	30	1	1,538,249	2,851	2.114	2075.910	3.848	539.547
8	Ethel Springs	Pandora	Latrobe	1,984	35	2	1,463,535	5,204	2.012	737.669	2.623	281.233
9	Franklin (Wpp)	South Waynesburg	Jefferson	2,056	52	3	1,400,766	7,697	1.925	681.306	3.744	181.989
10	Piney Fork	Knothole	Charleroi	1,677	17	1	1,376,144	4,194	1.892	820.599	2.501	328.122
11	Houston	McGovern	Washington Pa	2,107	41	0	1,342,363	4,838	1.845	637.097	2.296	277.462
12	Dutch Fork	Claysville	Washington Pa	1,641	73	2	1,252,409	4,699	1.722	763.199	2.863	266.527
13	White Valley	Borlands Rd	Jeannette	1,392	40	2	1,216,378	4,187	1.672	873.835	3.008	290.513
14	Bethelboro	Coolspring	Uniontown	1,453	44	2	1,202,185	3,939	1.652	827.381	2.711	305.201
15	Footedale	Footedale	Uniontown	1,184	32	0	1,198,576	3,820	1.648	1012.311	3.226	313.763
16	Amity	Amity	Washington Pa	534	21	0	1,173,817	1,709	1.613	2198.159	3.200	686.844
17	Peters	Mcmurray	Boyce	1,499	38	1	1,124,861	6,801	1.546	750.408	4.537	165.396
18	Bethlen	Laughlintown	Latrobe	1,095	61	1	1,102,178	3,484	1.515	1006.555	3.182	316.354
19	Bentleyville	Ellsworth	Charleroi	1,212	23	0	1,098,868	2,610	1.510	906.657	2.153	421.022
20	Finleyville	Gastonville	Charleroi	1,642	39	1	1,072,557	4,391	1.474	653.202	2.674	244.263
21	Driftwood	Driftwood	St Marys	821	32	0	1,033,273	2,087	1.420	1258.554	2.542	495.100
22	Levelgreen	Levelgreen	Jeannette	1,556	32	2	1,015,502	3,677	1.396	652.636	2.363	276.177
23	North Washington	Poke Run	Arnold	1,224	60	1	1,008,967	2,917	1.387	824.319	2.383	345.892
24	Donegal	Buchanan	Pleasant Valley	1,094	33	1	1,004,782	2,341	1.381	918.448	2.140	429.211
25	Kane	Russell City	St Marys	711	16	0	981,747	1,871	1.349	1380.797	2.632	524.718
26	Bethel Park	Clifton	Boyce	981	15	4	979,163	4,680	1.346	998.127	4.771	209.223
27	Murrycrest	Sardis Road	Jeannette	1,488	38	2	974,986	4,958	1.340	655.233	3.332	196.649

Submitted Pursuant to 52 Pa. Code § 57.195(d) and (e)

West Penn												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
28	Penn Trafford	Pleasant Valley	Jeannette	869	16	2	974,054	2,936	1.339	1120.891	3.379	331.762
29	Amity	Banetown	Washington Pa	1,485	46	0	960,615	3,026	1.320	646.879	2.038	317.454
30	Cecil	Bishop	Boyce	2,042	45	2	950,196	7,073	1.306	465.326	3.464	134.341
31	Iron Bridge	Mt Pleasant	Pleasant Valley	1,110	14	2	947,901	2,326	1.303	853.965	2.095	407.524
32	North Fayette	Oakdale	Boyce	1,386	20	0	929,767	3,114	1.278	670.828	2.247	298.576
33	Charleroi	Warner	Charleroi	1,216	31	0	929,481	2,158	1.278	764.376	1.775	430.714
34	Iron Bridge	Alverton	Pleasant Valley	696	22	1	916,513	1,631	1.260	1316.829	2.343	561.933
35	Hickory	Fort Cherry	Washington Pa	1,059	31	0	895,416	3,869	1.231	845.530	3.653	231.433
36	Smith	Florence	Washington Pa	810	30	0	870,787	1,989	1.197	1075.046	2.456	437.801
37	Connellsville	West Side	Pleasant Valley	554	7	4	855,090	2,312	1.175	1543.484	4.173	369.849
38	White Valley	Congruity	Jeannette	1,724	51	1	830,979	3,031	1.142	482.006	1.758	274.160
39	Brave	Spragg	Jefferson	368	38	0	814,959	1,268	1.120	2214.563	3.446	642.712
40	Roundhill	Roundhill	Charleroi	954	34	1	808,499	2,448	1.111	847.483	2.566	330.269

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

As ordered on March 30, 2015 at Docket Nos. D-2014-2365991, D-2014-2365992, D-2014-2365993, and D-2014-2365994, *Implementation Plan of the Focused Management Audit of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company, and West Penn Power Company (Appendix A)(1)*, the Companies were directed to provide additional detail in their Commission Quarterly Reliability Report of the 5% of worst performing circuits in the Commission Quarterly Reliability Reports to highlight those circuits that appear multiple times on Quarterly Reliability Reports, but not necessarily in four quarters in a calendar year. For each Quarterly Reliability Report filed pursuant to 52 Pa. Code § 57.195, this additional detail shall include highlighting those worst performing circuits that have appeared in two or more Quarterly Reliability Reports in the past four quarters.

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
1	No Bangor	00813-3	Easton	1,370	109
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	8.76	Trees Off Row-Tree	77%	Q3 2023
	SAIDI	3,717.67	Trees Off Row-Limb	11%	Q4 2023
	SAIFI	8.72	Forced Outage	8%	Q1 2024
	CAIDI	427	All Other	5%	Q2 2024
	Customer Minutes	5,093,206			
	Customers Affected	11,940			
	Remedial Action Planned or Taken			Status	Progress
	Mainline Forestry Aerial Patrol			Complete	Jul-23
	Circuit conversion project			Complete	Dec-23
	LTIP Engineering Review			Complete	Feb-24
Rank	Substation	Circuit	District	Customers	Outages
2	Mountain Substation	00744-4	Dillsburg	1,878	114
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	7.61	Trees Off Row-Tree	93%	Q3 2023
	SAIDI	2,355.42	Trees On Row	3%	Q4 2023
	SAIFI	3.86	Trees Off Row-Limb	1%	Q1 2024
	CAIDI	610		2%	Q2 2024
	Customer Minutes	4,423,474			
	Customers Affected	7,255			
	Remedial Action Planned or Taken			Status	Progress
	Circuit Zone 2 Conversion LTIP			Complete	Nov-23
	Overhead circuit inspection			To be completed 2024	0%

Met-Ed					
3	Barto Sub	00706-1	Boyertown	3,022	271
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	7.30	Trees Off Row-Tree	56%	Q3 2023
	SAIDI	1,403.98	Unknown	16%	Q4 2023
	SAIFI	3.50	Trees Off Row-Limb	14%	Q1 2024
	CAIDI	401	All Other	15%	Q2 2024
	Customer Minutes	4,242,825			
	Customers Affected	10,573			
	Remedial Action Planned or Taken			Status	Progress
	Replace priority mainline poles (4 poles)			Complete	Sep-23
	Targeted tree trimming and removals			Complete	Oct-23
	Install Supervisory Control and Data Acquisition (SCADA) devices (3 devices)			Complete	Mar-24
	Cycle tree trimming			To be completed 2024	99%
	Rank	Substation	Circuit	District	Customers
4	Shawnee Sub	00899-3	Stroudsburg	1,704	71
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.67	Trees Off Row-Tree	48%	Q3 2023
	SAIDI	1,934.51	Unknown	36%	Q4 2023
	SAIFI	6.45	Equipment Failure	9%	Q1 2024
	CAIDI	300	All Other	7%	Q2 2024
	Customer Minutes	3,296,406			
	Customers Affected	10,987			
	Remedial Action Planned or Taken			Status	Progress
	Mainline Forestry Aerial Patrol			Complete	Jul-23
	Engineering circuit tie addition review			Complete	Jan-24
	Targeted Mainline Circuit Rehabilitation LTIP Engineering Review			Complete	Feb-24
	Replace priority mainline poles identified during annual pole inspection			Complete	Jun-24
	Upgrade Supervisory Control and Data Acquisition (SCADA) devices (2 devices)			To be completed 2024	50%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
5	S Nazareth	00809-3	Easton	3,205	82
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.62	Trees Off Row-Tree	69%	Q2 2024
	SAIDI	1,018.65	Line Failure	12%	
	SAIFI	2.89	Lightning	5%	
	CAIDI	353	All Other	14%	
	Customer Minutes	3,264,778			
	Customers Affected	9,260			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			To be completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
6	Ottsville	00661-3	Easton	610	117
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.33	Trees Off Row-Tree	70%	Q1 2024
	SAIDI	5,082.24	Unknown	13%	Q2 2024
	SAIFI	11.98	Trees On Row	9%	
	CAIDI	424	All Other	8%	
	Customer Minutes	3,100,164			
	Customers Affected	7,305			
	Remedial Action Planned or Taken			Status	Progress
	LTIP Engineering Review			Complete	Feb-24
	Replace priority mainline poles identified during annual pole inspection			Complete	Mar-24
Rank	Substation	Circuit	District	Customers	Outages
7	Richmond Subst	00104-3	Easton	521	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.20	Trees Off Row-Limb	40%	Q3 2023
	SAIDI	5,806.35	Trees Off Row-Tree	16%	Q4 2023
	SAIFI	5.16	Equipment Failure	12%	Q1 2024
	CAIDI	1,126	All Other	32%	Q2 2024
	Customer Minutes	3,025,109			
	Customers Affected	2,687			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry trimming			Complete	Oct-23
	Install switch			Complete	Feb-24
	Mainline relocation LTIP Engineering Review			Complete	Feb-24
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Jun-24
	Cycle tree trimming			To be completed 2024	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
8	Glendon	00818-3	Easton	1,638	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.16	Trees On Row	31%	Q3 2023
	SAIDI	1,831.25	Trees Off Row-Tree	30%	Q1 2024
	SAIFI	3.26	Trees Off Row-Limb	24%	Q2 2024
	CAIDI	562	All Other	15%	
	Customer Minutes	2,999,593			
	Customers Affected	5,333			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Jul-23
	Mainline Forestry Aerial Patrol			Complete	Jul-23
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Apr-24
	Cycle tree trimming			To be completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
9	Ottsville Substation	00660-3	Easton	889	102
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.06	Trees Off Row-Tree	34%	Q3 2023
	SAIDI	3,310.48	Unknown	30%	Q4 2023
	SAIFI	6.33	Trees Off Row-Limb	16%	Q1 2024
	CAIDI	523	All Other	21%	Q2 2024
	Customer Minutes	2,943,013			
	Customers Affected	5,623			
	Remedial Action Planned or Taken			Status	Progress
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Aug-23
	Construct Circuit Tie LTIP			Complete	Dec-23
	Mid cycle forestry inspection			Complete	May-24
	Repair/replace high priority items identified during overhead circuit inspection			Complete	Apr-24

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
10	Mountain	00743-4	Dillsburg	1,037	56
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.70	Trees Off Row-Tree	76%	Q3 2023
	SAIDI	2,632.43	Trees Off Row-Limb	8%	Q4 2023
	SAIFI	7.89	Equipment Failure	6%	Q1 2024
	CAIDI	334	All Other	10%	Q2 2024
	Customer Minutes	2,729,835			
	Customers Affected	8,178			
	Remedial Action Planned or Taken			Status	Progress
	Engineering circuit tie addition review			Complete	Jan-24
	Overhead circuit inspection			To be completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
11	Shawnee Sub	00822-3	Stroudsburg	2,919	61
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.66	Trees Off Row-Limb	47%	Q2 2024
	SAIDI	928.02	Trees Off Row-Tree	38%	
	SAIFI	3.19	Unknown	13%	
	CAIDI	291	All Other	2%	
	Customer Minutes	2,708,882			
	Customers Affected	9,303			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	May-23
	LTIP Engineering Review			Complete	Feb-24
Replace priority mainline poles identified during annual pole inspection			Complete	May-24	
Rank	Substation	Circuit	District	Customers	Outages
12	Fox Hill Subst	00816-3	Stroudsburg	3,373	59
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.13	Trees Off Row-Tree	51%	Q1 2024
	SAIDI	712.24	Unknown	38%	Q2 2024
	SAIFI	3.52	Trees Off Row-Limb	5%	
	CAIDI	202	All Other	6%	
	Customer Minutes	2,402,376			
	Customers Affected	11,885			
	Remedial Action Planned or Taken			Status	Progress
	Replace Mainline bypass switch			Complete	Jan-24
	Overhead circuit inspection			Complete	Apr-24
Cycle tree trimming			Complete	Jun-24	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
13	Ringling Rocks Sub	00708-1	Boyertown	2,511	84	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.73	Trees Off Row-Tree	45%	Q1 2024	
	SAIDI	864.32	Trees Off Row-Limb	37%	Q2 2024	
	SAIFI	2.41	Equipment Failure	10%		
	CAIDI	359	All Other	8%		
	Customer Minutes	2,170,315				
	Customers Affected	6,047				
	Remedial Action Planned or Taken				Status	Progress
	Overhead circuit inspection				Complete	Jul-23
	Install TripSaver				Complete	Jan-24
	Replace/repair high priority items identified during overhead circuit patrol				Complete	May-24
Rank	Substation	Circuit	District	Customers	Outages	
14	Shawnee	00895-3	Stroudsburg	3,850	106	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.72	Trees Off Row-Tree	47%	Q3 2023	
	SAIDI	561.13	Unknown	24%	Q4 2023	
	SAIFI	3.21	Equipment Failure	9%	Q2 2024	
	CAIDI	175	All Other	19%		
	Customer Minutes	2,160,339				
	Customers Affected	12,343				
	Remedial Action Planned or Taken				Status	Progress
	Reconductor mainline				Complete	May-24
Cycle tree trimming				To be completed 2024	68%	
Rank	Substation	Circuit	District	Customers	Outages	
15	Lorane	00560-1	Reading	1,159	49	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.64	Trees Off Row-Tree	75%	Q3 2023	
	SAIDI	1,827.18	Equipment Failure	18%	Q4 2023	
	SAIFI	2.83	Trees Off Row-Limb	6%	Q1 2024	
	CAIDI	645	All Other	2%	Q2 2024	
	Customer Minutes	2,117,704				
	Customers Affected	3,283				
	Remedial Action Planned or Taken				Status	Progress
	Overhead circuit inspection				Complete	Nov-23
	Targeted Mainline Circuit Rehabilitation LTIP				Complete	Dec-23
	Replace/repair high priority items identified during overhead circuit patrol				Complete	Mar-24
Install Supervisory Control and Data Acquisition (SCADA) recloser				Complete	Jun-24	
Create additional circuit tie LTIP				Complete	May-24	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
16	S Hamb Sub	00740-1	Hamburg	1,286	88
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.61	Trees Off Row-Tree	58%	Q3 2023
	SAIDI	1,631.83	Equipment Failure	17%	Q4 2023
	SAIFI	3.44	Trees Off Row-Limb	9%	Q1 2024
	CAIDI	475	All Other	16%	Q2 2024
	Customer Minutes	2,098,534			
	Customers Affected	4,419			
	Remedial Action Planned or Taken			Status	Progress
	Repair/replace priority items from overhead circuit inspection			Complete	Dec-23
	Cycle Tree Trimming			To be completed 2024	92%
Rank	Substation	Circuit	District	Customers	Outages
17	Bridgeton Sub	00117-3	Easton	298	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.56	Trees Off Row-Tree	52%	Q1 2024
	SAIDI	6,943.07	Forced Outage	26%	Q2 2024
	SAIFI	6.71	Wind	18%	
	CAIDI	1,035	All Other	4%	
	Customer Minutes	2,069,035			
	Customers Affected	1,999			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			To be completed 2024	99%
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages
18	Flyhills	00776-1	Reading	1,493	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.49	Equipment Failure	50%	Q2 2024
	SAIDI	1,357.50	Trees Off Row-Limb	25%	
	SAIFI	3.28	Trees Off Row-Tree	18%	
	CAIDI	414	All Other	6%	
	Customer Minutes	2,026,745			
	Customers Affected	4,900			
	Remedial Action Planned or Taken			Status	Progress
	Replace priority mainline poles identified during annual pole inspection			Complete	Feb-24
	Cycle Tree Trimming			To be Completed 2024	0%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
19	Fox Hill Subst	00852-3	Stroudsburg	792	58	
	SAIDI Impact		3.46		Trees Off Row-Tree	
	SAIDI	2,537.84	Trees Off Row-Limb	9%		
	SAIFI	6.77	Equipment Failure	9%		
	CAIDI	375	All Other	6%		
	Customer Minutes	2,009,966				
	Customers Affected	5,361				
	SAIDI Impact	3.46	Trees Off Row-Tree	76%	Q2 2024	
	Remedial Action Planned or Taken				Status	Progress
	Replace/repair high priority items identified during overhead circuit patrol				Complete	Dec-23
	Cycle tree trimming				To be completed 2024	93%
	Overhead circuit inspection				Complete	May-24
	Rank	Substation	Circuit	District	Customers	Outages
20	Raubsville St	00079-3	Easton	802	44	
	S Hamb Sub		00741-1		Hamburg	
	SAIDI Impact	3.44	Trees Off Row-Tree	62%	Q1 2024	
	SAIDI	2,493.89	Trees On Row	18%	Q2 2024	
	SAIFI	2.52	Wind	10%		
	CAIDI	988	All Other	11%		
	Customer Minutes	2,000,102				
	Customers Affected	2,024				
	Remedial Action Planned or Taken				Status	Progress
	Overhead circuit inspection				Complete	Jul-23
	Replace/repair high priority items identified during overhead circuit patrol				Complete	Apr-24
	Replace priority mainline poles identified during annual pole inspection				Complete	May-24
	Cycle Tree Trimming				To be Completed 2024	2%
Substation	Circuit	District	Customers	Outages		
21	Flying Hills Sub	00777-1	Reading	1,804	124	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.43	Trees Off Row-Tree	74%	Q3 2023	
	SAIDI	1,105.42	Trees On Row	6%	Q4 2023	
	SAIFI	3.92	Trees Off Row-Limb	6%	Q1 2024	
	CAIDI	282	All Other	14%	Q2 2024	
	Customer Minutes	1,994,179				
	Customers Affected	7,072				
	Remedial Action Planned or Taken				Status	Progress
	Targeted Mainline Circuit Rehabilitation LTIP (2 rehabs)				Complete	Dec-23
	Cycle Tree Trimming				To be completed 2024	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
22	Lynnville Sub	00737-1	Hamburg	1,091	97
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.42	Trees Off Row-Tree	38%	Q3 2023
	SAIDI	1,824.19	Ice	23%	Q4 2023
	SAIFI	3.04	Line Failure	14%	Q1 2024
	CAIDI	600	All Other	26%	Q2 2024
	Customer Minutes	1,990,194			
	Customers Affected	3,315			
	Remedial Action Planned or Taken			Status	Progress
	Upgrade mainline recloser			Complete	Oct-23
	Replace priority mainline pole (3 poles)			Complete	Oct-23
	Overhead circuit inspection			To be completed 2024	19%
Rank	Substation	Circuit	District	Customers	Outages
23	North Cornwall Sub	00610-2	Lebanon	2,336	80
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.40	Trees Off Row-Tree	46%	Q1 2024
	SAIDI	847.00	Trees Off Row-Limb	25%	Q2 2024
	SAIFI	4.39	Forced Outage	16%	
	CAIDI	193	All Other	14%	
	Customer Minutes	1,978,600			
	Customers Affected	10,260			
	Remedial Action Planned or Taken			Status	Progress
	Install Supervisory Control and Data Acquisition (SCADA) LTIIP (1 device)			Complete	Jul-23
	Cycle tree trimming			To be Completed 2024	92%
	Overhead circuit inspection			To be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
24	Glendon	00805-3	Easton	1,002	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.34	Trees Off Row-Tree	83%	Q2 2024
	SAIDI	1,940.56	Trees Off Row-Limb	10%	
	SAIFI	2.54	Unknown	4%	
	CAIDI	765	All Other	3%	
	Customer Minutes	1,944,438			
	Customers Affected	2,541			
	Remedial Action Planned or Taken			Status	Progress
	LTIIP Engineering Review			Complete	Feb-24
	Cycle Tree Trimming			To be completed 2024	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
25	Round_Tp	00582-4	Dillsburg	730	71
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.33	Trees Off Row-Tree	74%	Q1 2024
	SAIDI	2,648.90	Trees Off Row-Limb	8%	Q2 2024
	SAIFI	5.41	Line Failure	5%	
	CAIDI	489	All Other	13%	
	Customer Minutes	1,933,694			
	Customers Affected	3,952			
	Remedial Action Planned or Taken			Status	Progress
	Install Supervisory Control and Data Acquisition (SCADA) (2 devices)			Complete	Aug-23
	Cycle Tree Trimming			To be Completed 2024	75%
Rank	Substation	Circuit	District	Customers	Outages
26	Raubsville St	00095-3	Easton	530	50
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.16	Trees Off Row-Limb	42%	Q3 2023
	SAIDI	3,462.34	Trees Off Row-Tree	39%	Q4 2023
	SAIFI	5.31	Equipment Failure	8%	Q1 2024
	CAIDI	652	All Other	11%	Q2 2024
	Customer Minutes	1,835,039			
	Customers Affected	2,814			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			Complete	Oct-23
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Jun-24
Cycle Tree Trimming			To be Completed 2024	95%	
Rank	Substation	Circuit	District	Customers	Outages
27	Lyons	00729-1	Reading	1,363	131
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.15	Trees Off Row-Tree	57%	Q3 2023
	SAIDI	1,343.54	Unknown	17%	Q4 2023
	SAIFI	4.08	Equipment Failure	10%	Q1 2024
	CAIDI	329	All Other	17%	Q2 2024
	Customer Minutes	1,831,249			
	Customers Affected	5,560			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Aug-23
	Targeted tree removals (Schweitz Rd)			Complete	Oct-23
Targeted tree trimming and removals			Complete	Oct-23	
Cycle Tree Trimming			To be completed 2024	76%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
28	Paint_Sk	00650-1	Reading	1,773	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.13	Trees Off Row-Tree	57%	Q3 2023
	SAIDI	1,027.08	Equipment Failure	23%	Q4 2023
	SAIFI	5.09	Trees Off Row-Limb	12%	Q1 2024
	CAIDI	202	All Other	9%	Q2 2024
	Customer Minutes	1,821,009			
	Customers Affected	9,032			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Mar-24
Rank	Substation	Circuit	District	Customers	Outages
29	W Boyertown Sub	00715-1	Boyertown	1,718	85
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.09	Trees Off Row-Tree	54%	Q3 2023
	SAIDI	1,046.98	Forced Outage	21%	Q1 2024
	SAIFI	3.55	Trees Off Row-Limb	18%	Q2 2024
	CAIDI	295	All Other	7%	
	Customer Minutes	1,798,708			
	Customers Affected	6,100			
	Remedial Action Planned or Taken			Status	Progress
	Install TripSaver			To be Completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
30	Northwood Sub	00802-3	Easton	538	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.05	Trees Off Row-Tree	81%	Q2 2024
	SAIDI	3,299.38	Unknown	15%	
	SAIFI	4.58	Forced Outage	3%	
	CAIDI	720	All Other	1%	
	Customer Minutes	1,775,069			
	Customers Affected	2,464			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	Jun-23

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
31	Stroudsburg	00610-3	Stroudsburg	909	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.05	Trees Off Row-Tree	58%	Q1 2024
	SAIDI	1,951.03	Vehicle	20%	Q2 2024
	SAIFI	5.06	Unknown	14%	
	CAIDI	386	All Other	7%	
	Customer Minutes	1,773,483			
	Customers Affected	4,597			
	Remedial Action Planned or Taken			Status	Progress
	Replace/Repair priority poles identified during annual pole inspection			Complete	Oct-23
Rank	Substation	Circuit	District	Customers	Outages
32	W Boyertown Sub	00714-1	Boyertown	1,886	95
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.01	Trees Off Row-Tree	62%	Q4 2023
	SAIDI	927.97	Equipment Failure	21%	Q1 2024
	SAIFI	4.10	Trees Off Row-Limb	10%	Q2 2024
	CAIDI	226	All Other	7%	
	Customer Minutes	1,750,156			
	Customers Affected	7,729			
	Remedial Action Planned or Taken			Status	Progress
	Install Supervisory Control and Data Acquisition (SCADA) devices (2 Devices)			To be completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
33	S Hamb Sub	00743-1	Hamburg	1,180	80
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.98	Trees Off Row-Tree	85%	Q1 2024
	SAIDI	1,468.68	Equipment Failure	8%	Q2 2024
	SAIFI	2.49	Trees Off Row-Limb	5%	
	CAIDI	589	All Other	3%	
	Customer Minutes	1,733,044			
	Customers Affected	2,940			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			To be completed 2024	11%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
34	Mohnton	00144-1	Reading	976	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.91	Trees Off Row-Tree	98%	Q3 2023
	SAIDI	1,731.73	Trees On Row	1%	Q4 2023
	SAIFI	2.57	Unknown	1%	Q1 2024
	CAIDI	675	All Other	1%	Q2 2024
	Customer Minutes	1,690,170			
	Customers Affected	2,504			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Jun-23
	Rank	Substation	Circuit	District	Customers
35	Huffs Church	00600-1	Boyetown	1,518	209
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.88	Trees Off Row-Tree	58%	Q3 2023
	SAIDI	1,103.48	Trees Off Row-Limb	18%	Q4 2023
	SAIFI	4.41	Equipment Failure	12%	Q1 2024
	CAIDI	250	All Other	13%	Q2 2024
	Customer Minutes	1,675,078			
	Customers Affected	6,700			
	Remedial Action Planned or Taken			Status	Progress
	Targeted Circuit Rehabilitation LTIP			Complete	Nov-23
	Install TripSaver			Complete	Feb-24
	Cycle tree trimming			To be complete 2024	15%
Rank	Substation	Circuit	District	Customers	Outages
36	Glendon	00820-3	Easton	300	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.83	Trees Off Row-Tree	67%	Q2 2024
	SAIDI	5,491.10	Unknown	19%	
	SAIFI	7.20	Trees Off Row-Limb	12%	
	CAIDI	762	All Other	1%	
	Customer Minutes	1,647,329			
	Customers Affected	2,161			
	Remedial Action Planned or Taken			Status	Progress
	LTIP Engineering Review			Complete	Feb-24
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Feb-24

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
37	Angelica Sub	00129-1	Reading	708	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.72	Trees Off Row-Tree	45%	Q3 2023
	SAIDI	2,230.18	Line Failure	33%	Q4 2023
	SAIFI	3.44	Unknown	19%	Q1 2024
	CAIDI	648	All Other	2%	Q2 2024
	Customer Minutes	1,578,965			
	Customers Affected	2,437			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	Jun-23
	Overhead circuit inspection			Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages
38	Birdsboro	00756-1	Reading	1,540	141
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.70	Trees Off Row-Tree	66%	Q3 2023
	SAIDI	1,020.75	Trees Off Row-Limb	20%	Q4 2023
	SAIFI	5.79	Unknown	7%	Q1 2024
	CAIDI	176	All Other	7%	Q2 2024
	Customer Minutes	1,571,957			
	Customers Affected	8,914			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Nov-23
Rank	Substation	Circuit	District	Customers	Outages
39	Shawnee Sub	00815-3	Stroudsburg	1,620	68
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.68	Trees Off Row-Tree	71%	Q2 2024
	SAIDI	962.96	Equipment Failure	17%	
	SAIFI	2.50	Trees Off Row-Limb	4%	
	CAIDI	385	All Other	8%	
	Customer Minutes	1,560,002			
	Customers Affected	4,057			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	Jun-23
	Replace priority mainline poles identified during annual pole inspection			Complete	Nov-23

Met-Ed					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2023	4Q 2023	1Q 2024	2Q 2024
Ferndale Sub	00078-3	X	X	X	
W Boyertown Sub	00484-1	X	X		
South Reading	00508-1	X	X		
Lorane	00560-1	X	X	X	
Barto	00705-1	X	X		
Crossroads Sub	00728-4	X	X		
Mountain	00744-4	X	X	X	
Birdsboro	00757-1	X	X	X	
Carsonia	00764-1	X	X	X	
Carsonia Sub	00766-1	X	X		
Mc Knights Gap Sub	00774-1	X	X	X	
Flying Hills	00777-1	X	X	X	
Windsor	00797-4	X	X		
No Bangor	00826-3	X	X	X	
Walker Sub	00865-3	X	X		
Bath Sub	00873-3	X	X		

Met-Ed				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Progress of Remedial Work or Date Completed
Lorane	00560-1	Create additional circuit tie LTIP	Complete	May-24
Barto	00705-1	Cycle tree trimming	To be completed 2024	34%
Mc Knights Gap Sub	00774-1	Cycle tree trimming	To be completed 2024	0%
Windsor	00797-4	Replace/repair high priority items identified during overhead circuit patrol	To be completed 2025	78%
Lorane	00564-1	Create additional circuit tie LTIP	Complete	May-24
Lorane	00560-1	Install Supervisory Control and Data Acquisition (SCADA) recloser	Complete	Jun-24
Carsonia	00764-1	Overhead circuit inspection	Complete	Apr-24

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
1	Warren South	00220-41	Warren	2,848	111
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.84	Trees Off Row-Tree	75%	Q3 2023
	SAIDI	1,215.47	Forced Outage	7%	Q4 2023
	SAIFI	4.14	Unknown	5%	Q1 2024
	CAIDI	293.49	All Other	12%	Q2 2024
	Customer Minutes	3,461,658			
	Customers Affected	11,795			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-23
	Repair damage caused by trees			Complete	Feb-24
	TripSaver deployment at one site			Complete	Dec-23
	On cycle tree trimming			In Progress	38%
	Install advanced Dx protective devices			In Progress	50%
Rank	Substation	Circuit	District	Customers	Outages
2	Falls	00297-65	Montrose	843	44
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.54	Trees Off Row-Tree	92%	Q3 2023
	SAIDI	2,487.98	Unknown	3%	Q4 2023
	SAIFI	3.65	Equipment Failure	2%	Q1 2024
	CAIDI	682.51	All Other	2%	Q2 2024
	Customer Minutes	2,097,363			
	Customers Affected	3,073			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Sep-23
	Pole replacements			Complete	Jul-23
	Replace damaged arrestor			Complete	Nov-23

Penelec						
3	Rank	Union City	00239-43	Erie	783	38
		Union City	00208-43	Erie	1,613	77
	Reliability		Outage by Cause		Previously Ranked	
		SAIDI Impact	3.40	Wind	54%	Q3 2023
		SAIDI	1,248.35	Trees Off Row-Tree	20%	Q4 2023
		SAIFI	4.03	Line Failure	11%	Q1 2024
		CAIDI	309.69	All Other	16%	Q2 2024
		Customer Minutes	2,013,584			
		Customers Affected	6,502			
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by wind				Complete	Jul-23
	Repair damage caused by trees				Complete	Jul-23
	Repair damage caused by lightning				Complete	Jul-23
	Repair line failure				Complete	Jan-24
	All high CMI outages repaired				Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages	
4		Tiffany	00435-65	Montrose	1,305	34
	Reliability		Outage by Cause		Previously Ranked	
		SAIDI Impact	2.90	Trees Off Row-Tree	74%	Q3 2023
		SAIDI	1,317.93	Equipment Failure	15%	Q4 2023
		SAIFI	3.91	Forced Outage	6%	Q1 2024
		CAIDI	337.23	All Other	5%	Q2 2024
		Customer Minutes	1,719,893			
		Customers Affected	5,100			
	Remedial Action Planned or Taken				Status	Progress
	Repair equipment failure				Complete	Jul-23
	Repair damage caused by trees				Complete	Sep-23
	Repair damage caused by storm				Complete	Jan-24
	Install remote vacuum switches and transformer (LTIIP)				Complete	Apr-24
	Pole replacements				Complete	May-24

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
5	Thompson	00446-65	Montrose	1,289	104	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.62	Trees Off Row-Tree	54%	Q1 2024	
	SAIDI	1,204.95	Line Failure	13%	Q2 2024	
	SAIFI	4.21	Equipment Failure	12%		
	CAIDI	286.14	All Other	21%		
	Customer Minutes	1,553,186				
	Customers Affected	5,428				
	Remedial Action Planned or Taken				Status	Progress
	Circuit inspection				Complete	May-24
	Install TripSavers				Complete	May-24
	Install fault indicators				Complete	Dec-23
	On cycle tree trimming				To Be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages	
6	Natl Forge Sw Sta	00577-41	Warren	1,222	47	
	SAIDI Impact		2.96		Trees Off Row-Tree	
	SAIDI Impact	2.62	Trees Off Row-Tree	53%	Q3 2023	
	SAIDI	1,270.45	Equipment Failure	25%	Q4 2023	
	SAIFI	6.08	Trees Off Row-Limb	13%	Q1 2024	
	CAIDI	208.89	All Other	8%	Q2 2024	
	Customer Minutes	1,552,496				
	Customers Affected	7,432				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	Jul-23
	On cycle tree clearing				Complete	Dec-23
	Repair equipment failure				Complete	Jan-24
	Rank	Substation	Circuit	District	Customers	Outages
7	Thompson	00436-65	Montrose	1,386	85	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.38	Trees Off Row-Tree	60%	Q1 2024	
	SAIDI	1,016.49	Line Failure	11%	Q2 2024	
	SAIFI	3.01	Overload	11%		
	CAIDI	338.26	All Other	18%		
	Customer Minutes	1,408,853				
	Customers Affected	4,165				
	Remedial Action Planned or Taken				Status	Progress
	Install duplex power source				Complete	Dec-23
	Install TripSavers (LTIP)				Complete	May-24
	Circuit inspection				Complete	Jun-24

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
8	Russell Hill	00282-65	Montrose	1,050	56
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.36	Animal	29%	Q3 2023
	SAIDI	1,332.31	Trees Off Row-Tree	27%	Q4 2023
	SAIFI	5.00	Vehicle	17%	Q1 2024
	CAIDI	266.21	All Other	27%	Q2 2024
	Customer Minutes	1,398,924			
	Customers Affected	5,255			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Sep-23
	Repair damage caused by animal			Complete	Dec-23
	Repair damage caused by vehicle			Complete	Mar-24
	Recloser inspection			Complete	Jan-24
Rank	Substation	Circuit	District	Customers	Outages
9	Grover	00527-63	Towanda	1,108	79
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.30	Trees Off Row-Tree	70%	Q3 2023
	SAIDI	1,232.48	Vehicle	10%	Q4 2023
	SAIFI	3.02	Wind	9%	Q1 2024
	CAIDI	408.49	All Other	11%	Q2 2024
	Customer Minutes	1,365,586			
	Customers Affected	3,343			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jan-24
	Pole replacements			Complete	Dec-23
	Capacitor inspection			Complete	May-24
	Rank	Substation	Circuit	District	Customers
10	Union_Cy	00206-43	Erie	2,562	103
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.30	Lightning	36%	Q3 2023
	SAIDI	531.48	Trees Off Row-Tree	29%	Q4 2023
	SAIFI	2.28	Equipment Failure	27%	Q1 2024
	CAIDI	233.04	All Other	9%	Q2 2024
	Customer Minutes	1,361,642			
	Customers Affected	5,843			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-23
	Repair equipment failure			Complete	Jan-24
	On cycle tree trimming			To be completed 2024	0%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
11	North Warren	00207-41	Warren	1,403	53
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.27	Trees Off Row-Tree	74%	Q3 2023
	SAIDI	959.43	Unknown	21%	Q4 2023
	SAIFI	2.89	Equipment Failure	2%	Q1 2024
	CAIDI	331.46	All Other	3%	Q2 2024
	Customer Minutes	1,346,078			
	Customers Affected	4,061			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Aug-23
	Restore breaker operation of unknown cause			Complete	Aug-23
	Repair damage caused by trees			Complete	Feb-24
	Cap pole replacement deployed at one site			Complete	Mar-24
Rank	Substation	Circuit	District	Customers	Outages
12	Lake Como	00788-65	Montrose	657	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.16	Trees Off Row-Tree	89%	Q1 2024
	SAIDI	1,947.00	Wind	7%	Q2 2024
	SAIFI	4.42	Equipment Failure	3%	
	CAIDI	440.19	All Other	1%	
	Customer Minutes	1,279,178			
	Customers Affected	2,906			
	Remedial Action Planned or Taken			Status	Progress
	Pole replacements			Complete	Sep-23
	Capacitor inspection			Complete	Jul-23
	Repair damage caused by trees			Complete	Mar-24

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
13	N Meshoppen Tran	00534-65	Montrose	898	64
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.99	13	0%	Q3 2023
	SAIDI	1,310.57	Trees Off Row-Tree	50%	Q4 2023
	SAIFI	6.93	Equipment Failure	35%	Q1 2024
	CAIDI	189.15	All Other	1%	Q2 2024
	Customer Minutes	1,176,895			
	Customers Affected	6,222			
	Remedial Action Planned or Taken			Status	Progress
	Capacitor inspection			Complete	Sep-23
	Targeted Circuit Rehab			Complete	Dec-23
	On cycle tree trimming			Complete	Dec-23
	Repair damage caused by trees			Complete	Jan-24
Rank	Substation	Circuit	District	Customers	Outages
14	Madera	00166-22	Philipsburg	2,179	83
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.98	Lightning	55%	Q3 2023
	SAIDI	537.44	Trees Off Row-Tree	24%	Q4 2023
	SAIFI	2.70	Line Failure	9%	Q1 2024
	CAIDI	198.76	All Other	11%	Q2 2024
	Customer Minutes	1,171,088			
	Customers Affected	5,892			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Jul-23
On cycle tree trimming			To Be Completed 2024	0%	
Rank	Substation	Circuit	District	Customers	Outages
15	Thompson	00442-65	Montrose	677	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.84	Trees Off Row-Tree	71%	Q2 2024
	SAIDI	1,614.04	Wind	11%	
	SAIFI	4.51	Line Failure	11%	
	CAIDI	357.68	All Other	7%	
	Customer Minutes	1,092,707			
	Customers Affected	3,055			
	Remedial Action Planned or Taken			Status	Progress
	Replace 15kva insl and section of wire			Complete	Nov-23
Test Tripsaver and install fault indicator			Complete	Feb-24	
On cycle tree trimming			To Be Completed 2024	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
16	Tunkhannock	00533-65	Montrose	1,279	62
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.80	Trees Off Row-Tree	71%	Q3 2023
	SAIDI	834.46	Unknown	14%	Q4 2023
	SAIFI	2.54	Equipment Failure	4%	Q1 2024
	CAIDI	328.09	All Other	11%	Q2 2024
	Customer Minutes	1,067,279			
	Customers Affected	3,253			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Sep-23
	On cycle tree trimming			In Progress	99%
	Pole replacements			Complete	Feb-24
Rank	Substation	Circuit	District	Customers	Outages
17	Sprgboro	00237-52	Meadville	2,841	105
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.79	Wind	34%	Q3 2023
	SAIDI	373.01	Trees Off Row-Tree	19%	Q4 2023
	SAIFI	1.99	Bird	14%	Q1 2024
	CAIDI	187.33	All Other	34%	Q2 2024
	Customer Minutes	1,059,715			
	Customers Affected	5,657			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Jan-24
	Cap pole replacement deployed at seven sites			Complete	May-24
	Rank	Substation	Circuit	District	Customers
18	Rockwood	00023-12	Somerset	234	14
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.77	Trees Off Row-Tree	94%	Q1 2024
	SAIDI	4,489.95	Trees Off Row-Limb	5%	Q2 2024
	SAIFI	4.64	Equipment Failure	1%	
	CAIDI	967.45	All Other	0%	
	Customer Minutes	1,050,649			
	Customers Affected	1,086			
	Remedial Action Planned or Taken			Status	Progress
	Hot line clamp remediation			Complete	Aug-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
19	Rolling Meadows	00249-31	Erie	2,149	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.65	Vehicle	48%	Q4 2023
	SAIDI	453.57	Trees Off Row-Tree	33%	Q1 2024
	SAIFI	2.50	Equipment Failure	11%	Q2 2024
	CAIDI	181.34	All Other	9%	
	Customer Minutes	974,722			
	Customers Affected	5,375			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by vehicle accident			Complete	Jul-23
	Repair damage caused by trees			Complete	Nov-23
	On cycle tree trimming			Complete	Dec-23
	Install advanced Dx protective devices			To Be Completed 2024	50%
	Install advanced Dx protective devices			To Be Completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
20	Buckeye Blaine	00136-83	Shippensburg	918	58
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.54	Trees Off Row-Tree	59%	Q2 2024
	SAIDI	996.97	Line Failure	16%	
	SAIFI	3.77	Wind	14%	
	CAIDI	264.29	All Other	12%	
	Customer Minutes	915,221			
	Customers Affected	3,463			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Jul-23
	Repair line failure			Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages
21	Brookville	00125-23	Dubois	630	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.52	Trees Off Row-Tree	82%	Q3 2023
	SAIDI	1,430.58	Line Failure	12%	Q4 2023
	SAIFI	2.73	Trees Off Row-Limb	3%	Q2 2024
	CAIDI	523.38	All Other	3%	
	Customer Minutes	901,263			
	Customers Affected	1,722			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Nov-23
On cycle tree trimming			To Be Completed 2024	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
22	Hooversville	00019-12	Somerset	1,650	45
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.40	Trees Off Row-Tree	83%	Q1 2024
	SAIDI	502.83	Forced Outage	6%	Q2 2024
	SAIFI	2.87	Line Failure	6%	
	CAIDI	175.15	All Other	5%	
	Customer Minutes	829,674			
	Customers Affected	4,737			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jan-24
Rank	Substation	Circuit	District	Customers	Outages
23	Lewis Run	00409-42	Bradford	751	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.39	Forced Outage	51%	Q3 2023
	SAIDI	1,095.39	Trees Off Row-Tree	39%	Q4 2023
	SAIFI	3.31	Equipment Failure	8%	Q1 2024
	CAIDI	330.64	All Other	1%	Q2 2024
	Customer Minutes	822,638			
	Customers Affected	2,488			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees (forced)			Complete	Jul-23
Repair damage caused by trees			Complete	Jul-24	
On cycle tree trimming			To Be Completed 2024	66%	
Rank	Substation	Circuit	District	Customers	Outages
24	Marienville	00328-51	Oil City	1,235	40
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.37	Trees Off Row-Tree	54%	Q3 2023
	SAIDI	658.35	Equipment Failure	26%	Q1 2024
	SAIFI	1.87	Human Error -Non-Company	11%	Q2 2024
	CAIDI	351.22	All Other	8%	
	Customer Minutes	813,065			
	Customers Affected	2,315			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Jan-24
Repair damage caused by off ROW trees			Complete	Jun-24	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
25	Platea	00432-34	Erie	644	71
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.30	Trees Off Row-Tree	50%	Q3 2023
	SAIDI	1,195.81	Equipment Failure	20%	Q4 2023
	SAIFI	5.49	Line Failure	14%	Q1 2024
	CAIDI	217.97	All Other	17%	Q2 2024
	Customer Minutes	770,101			
	Customers Affected	3,533			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-23
	Repair equipment failure			Complete	Jul-23
	Repair line failure			Complete	Nov-23
	On cycle tree trimming			Complete	Dec-23
	Repaired high side fuses			Complete	Feb-24
Rank	Substation	Circuit	District	Customers	Outages
26	East Sayre	00518-61	Towanda	981	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.25	Trees Off Row-Tree	75%	Q3 2023
	SAIDI	757.20	Bird	11%	Q4 2023
	SAIFI	2.37	Unknown	5%	Q1 2024
	CAIDI	319.76	All Other	9%	Q2 2024
	Customer Minutes	742,811			
	Customers Affected	2,323			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Aug-23
	Upgrade transformer			Complete	Jan-24
Rank	Substation	Circuit	District	Customers	Outages
27	Walnut Street	00522-31	Erie	2,093	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.23	Equipment Failure	94%	Q2 2024
	SAIDI	348.53	Trees - Sec/Service	3%	
	SAIFI	2.02	Unknown	2%	
	CAIDI	172.21	All Other	1%	
	Customer Minutes	729,477			
	Customers Affected	4,236			
	Remedial Action Planned or Taken			Status	Progress
	Equipment repairs			Complete	Apr-24

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
28	Green Garden	00531-31	Erie	880	10
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.21	Forced Outage	98%	Q2 2024
	SAIDI	811.77	Equipment Failure	1%	
	SAIFI	2.15	Line Failure	0%	
	CAIDI	377.77	All Other	0%	
	Customer Minutes	714,354			
	Customers Affected	1,891			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To Be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
29	Laurel Lake Sub Tran	00449-65	Montrose	541	43
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.19	Trees Off Row-Tree	55%	Q4 2023
	SAIDI	1,301.45	Equipment Failure	30%	Q1 2024
	SAIFI	7.69	Vehicle	8%	Q2 2024
	CAIDI	169.21	All Other	7%	
	Customer Minutes	704,084			
	Customers Affected	4,161			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Nov-23
	Circuit inspection			Complete	Apr-24
	Targeted Circuit Rehab			Complete	Apr-24
	Repair damaged equipment			Complete	Mar-24
	Replace moab switch			Complete	May-24
Rank	Substation	Circuit	District	Customers	Outages
30	Avery	00791-65	Montrose	388	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.18	Lightning	59%	Q3 2023
	SAIDI	1,808.41	Vehicle	23%	Q4 2023
	SAIFI	3.36	Trees Off Row-Limb	12%	Q1 2024
	CAIDI	537.67	All Other	6%	Q2 2024
	Customer Minutes	701,665			
	Customers Affected	1,305			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Feb-23
	Repair damage caused by a vehicle accident			Complete	Sep-23
	Repair damage caused by lightning			Complete	Sep-23
Circuit inspection			Complete	Apr-24	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
31	Lenox	00755-65	Montrose	715	54
	SAIDI Impact		1.17		Trees Off Row-Tree
	SAIDI	969.18	Unknown	25%	Q1 2024
	SAIFI	2.72	Human Error -Non-Company	8%	Q2 2024
	CAIDI	355.73	All Other	9%	
	Customer Minutes	692,966			
	Customers Affected	1,948			
	SAIDI Impact	1.17	Trees Off Row-Tree	59%	Q4 2023
	Remedial Action Planned or Taken			Status	Progress
	Capacitor inspection			Complete	Jul-23
	Repair damage caused by trees			Complete	Sep-23
	Restore sectionalizer operation of unknown cause			Complete	Nov-23
	On cycle tree clearing			Complete	Jan-24
	Replace Tripsaver			Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages
32	Timblin	00103-23	Dubois	713	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.15	Trees Off Row-Tree	53%	Q3 2023
	SAIDI	951.90	Equipment Failure	30%	Q4 2023
	SAIFI	6.07	Forced Outage	12%	Q1 2024
	CAIDI	156.74	All Other	5%	Q2 2024
	Customer Minutes	678,704			
	Customers Affected	4,330			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-23
	On cycle tree trimming			Complete	Dec-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
33	Ppl West	PL097-62	Towanda	102	15
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.14	Other Electric Utility	97%	Q3 2023
	SAIDI	6,596.94	Unknown	3%	Q4 2023
	SAIFI	14.10		0%	Q1 2024
	CAIDI	467.93	All Other	0%	Q2 2024
	Customer Minutes	672,888			
	Customers Affected	1,438			
	Remedial Action Planned or Taken			Status	Progress
	Restore operation due to other electric utility			Complete	Sep-23
	Restore operation due to other electric utility			Complete	Mar-24
	Upgrade transformer			To Be Completed 2024	25%
Rank	Substation	Circuit	District	Customers	Outages
34	Athens	00514-61	Towanda	789	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.08	Trees Off Row-Tree	86%	Q1 2024
	SAIDI	807.30	Equipment Failure	12%	Q2 2024
	SAIFI	2.45	Trees On Row	1%	
	CAIDI	329.52	All Other	0%	
	Customer Minutes	636,956			
	Customers Affected	1,933			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Oct-23
	Repair equipment failure			Complete	Mar-24
	Install remote sectionalizers			To Be Completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
35	Brooklyn	00749-65	Montrose	533	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.05	Trees Off Row-Tree	78%	Q4 2023
	SAIDI	1,169.05	Equipment Failure	10%	Q1 2024
	SAIFI	2.44	Unknown	5%	Q2 2024
	CAIDI	478.58	All Other	6%	
	Customer Minutes	623,106			
	Customers Affected	1,302			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Nov-23
	On cycle tree trimming			Complete	Nov-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
36	Salix	00070-11	Johnstown	2,279	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.02	Line Failure	71%	Q3 2023
	SAIDI	266.45	Equipment Failure	11%	Q4 2023
	SAIFI	1.84	Trees Off Row-Tree	9%	Q2 2024
	CAIDI	144.82	All Other	8%	
	Customer Minutes	607,246			
	Customers Affected	4,193			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Mar-24
Rank	Substation	Circuit	District	Customers	Outages
37	Meshoppen	00283-65	Montrose	403	21
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.00	Trees Off Row-Tree	43%	Q3 2023
	SAIDI	1,463.51	Forced Outage	25%	Q4 2023
	SAIFI	3.59	Trees Off Row-Limb	20%	Q1 2024
	CAIDI	407.60	All Other	12%	Q2 2024
	Customer Minutes	589,795			
	Customers Affected	1,447			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees (forced)			Complete	Aug-23
Repair damage caused by trees			Complete	Sep-23	
Targeted circuit rehab			To Be Completed 2024	50%	
Rank	Substation	Circuit	District	Customers	Outages
38	Lake Como	00786-65	Montrose	334	15
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.99	Trees Off Row-Tree	95%	Q1 2024
	SAIDI	1,764.13	Forced Outage	4%	Q2 2024
	SAIFI	3.17	Equipment Failure	0%	
	CAIDI	556.92	All Other	0%	
	Customer Minutes	589,218			
	Customers Affected	1,058			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Mar-24
Pole replacements			Complete	Oct-23	
Recloser inspection			Complete	Nov-23	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
39	Madera	00147-22	Philipsburg	1,100	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.97	Equipment Failure	73%	Q3 2023
	SAIDI	520.77	Trees Off Row-Limb	24%	Q4 2023
	SAIFI	3.64	Trees Off Row-Tree	2%	Q2 2024
	CAIDI	143.03	All Other	2%	
	Customer Minutes	572,851			
	Customers Affected	4,005			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Mar-23
	Repair equipment failure			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
40	Rockton Mountain	00138-21	Clearfield	506	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.95	Trees Off Row-Tree	91%	Q1 2024
	SAIDI	1,113.40	Vehicle	5%	Q2 2024
	SAIFI	2.49	Lightning	2%	
	CAIDI	447.48	All Other	2%	
	Customer Minutes	563,379			
	Customers Affected	1,259			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To Be Completed 2024	0%
	Overhead circuit rehab (LTIIP)			Complete	Oct-23
Rank	Substation	Circuit	District	Customers	Outages
41	Piney	00523-51	Oil City	1,544	69
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.94	Trees Off Row-Tree	33%	Q1 2024
	SAIDI	360.11	Trees Off Row-Limb	25%	Q2 2024
	SAIFI	1.61	Equipment Failure	10%	
	CAIDI	223.48	All Other	32%	
	Customer Minutes	556,015			
	Customers Affected	2,488			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Feb-24
	Remote sectionalizing project deployed at one site			To Be Completed 2024	50%
	Tripsaver deployment at one site			To Be Completed 2024	50%
Overhead circuit inspection			Complete	Jun-24	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
42	Oxbow	00555-65	Montrose	752	44
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.92	Line Failure	24%	Q1 2024
	SAIDI	726.34	Trees On Row	20%	Q2 2024
	SAIFI	3.68	Trees Off Row-Tree	19%	
	CAIDI	197.61	All Other	36%	
	Customer Minutes	546,205			
	Customers Affected	2,764			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Feb-24
	Underground conductor inspection			Complete	Jul-24
	On cycle tree trimming			To Be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
43	Shippbrg	00630-83	Shippensburg	1,804	54
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.92	Line Failure	34%	Q3 2023
	SAIDI	301.70	Trees Off Row-Tree	26%	Q4 2023
	SAIFI	2.66	Equipment Failure	24%	Q1 2024
	CAIDI	113.25	All Other	16%	Q2 2024
	Customer Minutes	544,265			
	Customers Affected	4,806			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Jul-23
	Repair damage caused by trees			Complete	Jul-23
	Repair line failure			Complete	Jul-23
Underground conductor improvement (LTIIP)			Complete	Aug-23	
Repair storm damage			Complete	Feb-24	
Rank	Substation	Circuit	District	Customers	Outages
44	Saxton	00625-73	Altoona	1,331	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.91	Trees Off Row-Tree	61%	Q3 2023
	SAIDI	405.00	Line Failure	20%	Q2 2024
	SAIFI	1.84	Unknown	11%	
	CAIDI	220.47	All Other	8%	
	Customer Minutes	539,052			
	Customers Affected	2,445			
	Remedial Action Planned or Taken			Status	Progress
	Install Supervisory Control and Data Acquisition (SCADA) switch			To Be Completed 2024	50%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
45	East Towanda	00525-62	Towanda	689	46
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.90	Trees Off Row-Tree	49%	Q3 2023
	SAIDI	775.92	Unknown	21%	Q4 2023
	SAIFI	2.45	Equipment Failure	15%	Q1 2024
	CAIDI	317.09	All Other	15%	Q2 2024
	Customer Minutes	534,610			
	Customers Affected	1,686			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees (unknown)			Complete	Aug-23
	Targeted Circuit Rehab			Complete	Dec-23
	Repair damage caused by trees			Complete	Feb-24
	Replace failed switch			Complete	Jan-24
Rank	Substation	Circuit	District	Customers	Outages
46	Blairsville East	00080-13	Indiana	1,038	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.86	Equipment Failure	52%	Q3 2023
	SAIDI	492.53	Forced Outage	20%	Q4 2023
	SAIFI	2.27	Trees Off Row-Tree	12%	Q1 2024
	CAIDI	217.18	All Other	16%	Q2 2024
	Customer Minutes	511,241			
	Customers Affected	2,354			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Jul-23
	On cycle tree trimming			Complete	Oct-23
	Remote sectionalizing (LTIIP)			To Be Completed 2024	50%
	Rank	Substation	Circuit	District	Customers
47	Farmers Valley	00414-42	Bradford	740	18
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.86	Lightning	77%	Q2 2024
	SAIDI	686.32	Trees Off Row-Tree	21%	
	SAIFI	1.93	Equipment Failure	1%	
	CAIDI	355.16	All Other	1%	
	Customer Minutes	507,875			
	Customers Affected	1,430			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Jun-24
	Replace priority pole identified during inspection			To Be Completed 2024	50%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
48	Port Allegany	00151-42	Bradford	502	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.83	Trees Off Row-Tree	90%	Q1 2024
	SAIDI	977.43	Line Failure	6%	Q2 2024
	SAIFI	1.79	Forced Outage	1%	
	CAIDI	544.58	All Other	3%	
	Customer Minutes	490,671			
	SAIDI Impact	0.83	Trees Off Row-Tree	90%	Q1 2024
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Feb-24
	Replace priority pole identified during inspection			To Be Completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
49	Millcreek	00052-11	Johnstown	1,041	14
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.82	Trees Off Row-Tree	61%	Q2 2024
	SAIDI	468.47	Trees Off Row-Limb	20%	
	SAIFI	3.41	Equipment Failure	16%	
	CAIDI	137.34	All Other	3%	
	Customer Minutes	487,682			
	Customers Affected	3,551			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Apr-24
	Rank	Substation	Circuit	District	Customers
50	Vail	00647-22	Philipsburg	589	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.79	Trees Off Row-Tree	38%	Q1 2024
	SAIDI	796.36	Equipment Failure	27%	Q2 2024
	SAIFI	3.68	Line Failure	20%	
	CAIDI	216.65	All Other	14%	
	Customer Minutes	469,055			
	Customers Affected	2,165			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Sep-23
	Overhead circuit inspection			Complete	Apr-24

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
51	Meysdale North	00022-12	Somerset	1,583	47
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.78	Trees Off Row-Tree	39%	Q3 2023
	SAIDI	292.68	Vehicle	31%	Q4 2023
	SAIFI	2.79	Equipment Failure	20%	Q1 2024
	CAIDI	105.01	All Other	10%	Q2 2024
	Customer Minutes	463,305			
	Customers Affected	4,412			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a vehicle accident			Complete	Aug-23
	Repair damage caused by trees			Complete	Aug-23
	On cycle tree trimming			Complete	Sep-23
	Install advanced Dx protective devices			To Be Completed 2024	50%
	Install advanced Dx protective devices			To Be Completed 2024	50%
	Cap pole replacement			Complete	Nov-23
Distribution sectionalizing (LTIP)			Complete	Oct-23	
Rank	Substation	Circuit	District	Customers	Outages
52	Ashville	00061-71	Altoona	500	11
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.76	Lightning	65%	Q3 2023
	SAIDI	895.69	Trees Off Row-Tree	24%	Q4 2023
	SAIFI	1.83	Forced Outage	7%	Q2 2024
	CAIDI	489.98	All Other	4%	
	Customer Minutes	447,843			
	Customers Affected	914			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Aug-23
	On cycle tree trimming			Complete	Aug-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
53	Fairview East	00218-34	Erie	1,039	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.73	Trees Off Row-Limb	53%	Q1 2024
	SAIDI	419.11	Forced Outage	28%	Q2 2024
	SAIFI	2.37	Trees Off Row-Tree	8%	
	CAIDI	176.65	All Other	10%	
	Customer Minutes	435,452			
	Customers Affected	2,465			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To Be Completed 2024	34%
	Repair damage caused by a tree			Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages
54	Lowell Avenue	00518-31	Erie	892	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.71	Wind	57%	Q1 2024
	SAIDI	474.25	Forced Outage	23%	Q2 2024
	SAIFI	7.27	Trees Off Row-Tree	13%	
	CAIDI	65.26	All Other	7%	
	Customer Minutes	423,029			
	Customers Affected	6,482			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Nov-23
	On cycle tree trimming			Complete	Dec-23
Repair line failure			Complete	Jan-24	
Rank	Substation	Circuit	District	Customers	Outages
55	Mt_Union	00154-82	Lewistown	1,183	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.70	Line Failure	41%	Q4 2023
	SAIDI	352.92	Human Error -Non-Company	38%	Q1 2024
	SAIFI	2.58	Trees Off Row-Tree	17%	Q2 2024
	CAIDI	136.80	All Other	3%	
	Customer Minutes	417,505			
	Customers Affected	3,052			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by human error-non company			Complete	Aug-23
	Repair line failure			Complete	Nov-23
Repair damaged caused by trees			Complete	Jan-24	
Restore unknown outage			Complete	Jun-24	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
56	Strodes Mill	00113-81	Lewistown	475	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.70	Trees Off Row-Tree	39%	Q2 2024
	SAIDI	878.63	Unknown	32%	
	SAIFI	2.82	Equipment Failure	26%	
	CAIDI	311.22	All Other	2%	
	Customer Minutes	417,350			
	Customers Affected	1,341			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage			Complete	Jan-24
	On cycle tree trimming			To Be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
57	Spangler	00052-72	Altoona	1,512	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.69	Line Failure	65%	Q2 2024
	SAIDI	271.71	Trees Off Row-Tree	30%	
	SAIFI	2.07	Equipment Failure	5%	
	CAIDI	130.96	All Other	1%	
	Customer Minutes	410,828			
	Customers Affected	3,137			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To Be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
58	Bellwood North	00934-22	Philipsburg	865	32
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.68	Forced Outage	68%	Q2 2024
	SAIDI	465.67	Overload	19%	
	SAIFI	2.87	Unknown	7%	
	CAIDI	162.49	All Other	6%	
	Customer Minutes	402,801			
	Customers Affected	2,479			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Apr-24

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
59	Marienville	00327-51	Oil City	760	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.67	Trees Off Row-Tree	41%	Q3 2023
	SAIDI	523.22	Unknown	18%	Q4 2023
	SAIFI	2.11	Line Failure	11%	Q1 2024
	CAIDI	247.45	All Other	29%	Q2 2024
	Customer Minutes	397,647			
	Customers Affected	1,607			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-23
	Restore recloser operation of unknown cause			Complete	Aug-23
	Underground conductor improvement (LTIP)			To Be Completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
60	Laurel_L	00769-65	Montrose	497	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.66	Trees Off Row-Tree	68%	Q2 2024
	SAIDI	786.59	Equipment Failure	17%	
	SAIFI	4.16	Lightning	11%	
	CAIDI	188.95	All Other	4%	
	Customer Minutes	390,934			
	Customers Affected	2,069			
	Remedial Action Planned or Taken			Status	Progress
	Replace fault indicators			To Be Completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages
61	North Towanda	00521-62	Towanda	1,035	59
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.65	Equipment Failure	40%	Q2 2024
	SAIDI	371.65	Trees Off Row-Tree	31%	
	SAIFI	2.81	Lightning	7%	
	CAIDI	132.37	All Other	22%	
	Customer Minutes	384,661			
	Customers Affected	2,906			
	Remedial Action Planned or Taken			Status	Progress
	Line Rehab (LTIP)			Complete	Sep-23
	Overhead circuit inspection			Complete	Jan-24

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
62	Boyer	00584-31	Erie	1,710	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.64	Equipment Failure	58%	Q2 2024
	SAIDI	222.59	Vehicle	12%	
	SAIFI	2.02	Forced Outage	12%	
	CAIDI	110.13	All Other	17%	
	Customer Minutes	380,623			
	Customers Affected	3,456			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failures			Complete	Apr-24

Penelec					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2023	4Q 2023	1Q 2024	2Q 2024
Athens	00511-61		X	X	
Blairsville East	00082-13	X	X		
Bradford South	00106-42	X	X	X	
Crown	00519-51	X	X	X	
Division Street	00561-31	X	X		
Dubois	00131-23	X	X		
Edinboro	00420-34	X	X	X	
Emlenton	00322-51	X	X		
Grandview	00353-51	X	X		
Grandview	00354-51	X	X	X	
Grandview	00524-51	X	X		
Industrial Park	00796-65	X	X	X	
Mercer Pike	00473-52	X	X		
Montrose	00457-65	X	X		
Morgan Street	00476-52	X	X		
Mount Union	00154-82		X	X	
N Meshoppen Tran	00531-65	X	X	X	
North Warren	00596-41	X	X	X	
Northeast	00592-31		X	X	
Revloc	00069-72	X	X		
Scalp Level	00932-11	X	X		
Seward	00075-11	X	X		
Shippensburg 1	00630-83	X	X	X	
Snakespring	00634-73	X		X	
Springboro	00237-52	X	X	X	
Tionesta	00344-51	X	X		
Turner Street	00488-52	X	X		
Union City	00206-43	X	X	X	
Union City	00239-43	X	X		
Utica Junction	00511-51	X	X		

Penelec				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Progress of Remedial Work or Date Completed
Utica Junction	00511-51	Circuit inspection	Complete	May-24
Crown	00519-51	Circuit inspection	Complete	May-24
Grandview	00524-51	Circuit inspection	Complete	Jun-24
Polk	00330-51	Circuit inspection	Complete	May-24
Tionesta	00344-51	Install advanced Dx protective devices	To be completed 2024	50%
Scalp Level	00932-11	Install advanced Dx protective devices	To be completed 2024	50%
Scalp Level	00932-11	Install advanced Dx protective devices	To be completed 2024	50%
Athens	00511-61	Targeted Circuit Rehab	To be completed 2024	25%
Laurel Pipeline	00036-71	Distribution sectionalizing (LTIP)	To be completed 2024	50%
Rachel Hill	00049-11	On cycle tree trimming	To be completed 2024	0%
Laurel Pipeline	00036-71	On cycle tree trimming	To be completed 2024	99%
Rachel Hill	00049-11	Underground conductor improvement (LTIP)	To be completed 2024	50%

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
1	Sharpsville	W-218	Clark	1,420	28	
	Sharpsville		W-219		Clark	
	SAIDI Impact	6.86	Trees Off Row-Tree	82%	Q3 2023	
	SAIDI	846.78	Vehicle	14%	Q4 2023	
	SAIFI	1.68	Line Failure	3%	Q1 2024	
	CAIDI	504	All Other	1%	Q2 2024	
	Customer Minutes	1,202,421				
	Customers Affected	2,388				
	Remedial Action Planned or Taken				Status	Progress
	Repair Damage Caused By Trees				Complete	Aug-23
	Repair Damage Caused By Trees				Complete	Aug-23
	On cycle tree trimming				Complete	Jul-23
	Replace/repair high priority items identified during circuit patrol				Complete	May-24
Rank	Substation	Circuit	District	Customers	Outages	
2	Sharpsville	W-219	Clark	1,887	21	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	5.38	Trees Off Row-Tree	88%	Q3 2023	
	SAIDI	499.92	Trees Off Row-Limb	6%	Q4 2023	
	SAIFI	0.98	Lightning	4%	Q1 2024	
	CAIDI	508	All Other	2%	Q2 2024	
	Customer Minutes	943,348				
	Customers Affected	1,858				
	Remedial Action Planned or Taken				Status	Progress
	Repair Damage Caused By Trees				Complete	Aug-23
	Repair Damage Caused By Trees				Complete	Aug-23
	Replace poles identified during pole inspection				Complete	Apr-24

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
3	Camp Reynolds	W-134	Clark	1,888	82	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.69	Trees Off Row-Tree	59%	Q3 2023	
	SAIDI	342.85	Trees Off Row-Limb	21%	Q4 2023	
	SAIFI	2.09	Line Failure	7%	Q1 2024	
	CAIDI	164	All Other	13%	Q2 2024	
	Customer Minutes	647,301				
	Customers Affected	3,953				
	Repair Damage Caused By Trees				Complete	Aug-23
	Replace poles identified during pole inspection				Complete	Feb-24
	Overhead circuit inspection				Complete	Apr-24
	Rank	Substation	Circuit	District	Customers	Outages
4	Perry	W-156	Clark	1,164	53	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.98	Trees Off Row-Tree	93%	Q2 2024	
	SAIDI	448.68	Vehicle	1%		
	SAIFI	1.11	Unknown	1%		
	CAIDI	404	All Other	5%		
	Customer Minutes	522,263				
	Customers Affected	1,293				
	Remedial Action Planned or Taken				Status	Progress
	Replace/repair high priority items identified during circuit patrol				To Be Completed 2024	25%
Rank	Substation	Circuit	District	Customers	Outages	
5	Richard	W742	Zelienople	1,548	19	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.93	Trees Off Row-Tree	82%	Q2 2024	
	SAIDI	331.47	Forced Outage	10%		
	SAIFI	2.64	Overload	4%		
	CAIDI	126	All Other	5%		
	Customer Minutes	513,108				
	Customers Affected	4,087				
	Remedial Action Planned or Taken				Status	Progress
	Overhead circuit inspection				Complete	Apr-24

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
6	Hartstown	W-126	Clark	2,281	71	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.83	Trees Off Row-Tree	78%	Q3 2023	
	SAIDI	217.29	Animal	7%	Q4 2023	
	SAIFI	1.34	Line Failure	4%	Q1 2024	
	CAIDI	163	All Other	10%	Q2 2024	
	Customer Minutes	495,639				
	Customers Affected	3,049				
	Remedial Action Planned or Taken				Status	Progress
	Replace/repair high priority items identified during circuit patrol				Complete	Apr-24
Rank	Substation	Circuit	District	Customers	Outages	
7	Conneaut	W-173	Clark	1,931	33	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.76	Trees Off Row-Limb	73%	Q3 2023	
	SAIDI	250.17	Vehicle	11%	Q4 2023	
	SAIFI	1.22	Trees Off Row-Tree	7%	Q1 2024	
	CAIDI	204	All Other	10%	Q2 2024	
	Customer Minutes	483,079				
	Customers Affected	2,365				
	Remedial Action Planned or Taken				Status	Progress
	Repair Damage Caused by Trees				Complete	Jul-23
	Replace poles identified during pole inspection				Complete	Mar-24
Rank	Substation	Circuit	District	Customers	Outages	
8	Mercer	W-128	Clark	1,253	58	
	Mercer		W-128		Clark	
	SAIDI Impact	2.71	Trees Off Row-Tree	41%	Q3 2023	
	SAIDI	379.44	Trees Off Row-Limb	26%	Q4 2023	
	SAIFI	1.00	Line Failure	16%	Q1 2024	
	CAIDI	380	All Other	18%	Q2 2024	
	Customer Minutes	475,441				
	Customers Affected	1,252				
	Remedial Action Planned or Taken				Status	Progress
	Repair Damage Caused by Trees				Complete	Aug-23
	On cycle tree trimming				Complete	Jan-24
Install additional main line recloser				To Be Completed 2024	50%	

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
9	Mars	D616	Zelienople	1,548	31	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.60	Trees Off Row-Tree	75%	Q1 2024	
	SAIDI	293.87	Forced Outage	18%	Q2 2024	
	SAIFI	1.66	Object Contact With Line	4%		
	CAIDI	177	All Other	4%		
	Customer Minutes	454,908				
	Customers Affected	2,565				
	Remedial Action Planned or Taken				Status	Progress
	Replace poles identified during pole inspection				Complete	Feb-24
	Replace/repair high priority items identified during circuit patrol				Complete	May-24
	Rank	Substation	Circuit	District	Customers	Outages
10	Wheatland	W-150	Clark	1,524	22	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.47	Trees Off Row-Tree	90%	Q2 2024	
	SAIDI	284.13	Unknown	4%		
	SAIFI	1.33	Equipment Failure	3%		
	CAIDI	214	All Other	3%		
	Customer Minutes	433,012				
	Customers Affected	2,021				
	Remedial Action Planned or Taken				Status	Progress
	Cap bank repair				Complete	Jun-24

Penn Power					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2023	4Q 2023	1Q 2024	2Q 2024
Ingomar	D620	x	x		
Koppel	D-531	x	x	x	
Seneca	W700		x	x	

Penn Power				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned	Status of Remedial Work	Progress of Remedial Work
Koppel	D-531	On cycle tree trimming	Planned	0%
Darlington	D-536	Overhead circuit inspection	Complete	May-24
Koppel	D-531	Overhead circuit inspection	Complete	May-24

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
1	Normalville	Mill Run	Pleasant Valley	578	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.92	Trees Off Row-Tree	91%	Q3 2023
	SAIDI	4,931.23	Wind	5%	Q4 2023
	SAIFI	4.54	Line Failure	2%	Q1 2024
	CAIDI	1,086	All Other	1%	Q2 2024
	Customer Minutes	2,850,251			
	Customers Affected	2,624			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Post storm circuit patrol			Complete	Jan-24
	Rank	Substation	Circuit	District	Customers
2	Iron Bridge	Bridgeport	Pleasant Valley	1,276	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.60	Trees Off Row-Tree	96%	Q1 2024
	SAIDI	2,052.62	Equipment Failure	2%	Q2 2024
	SAIFI	3.38	Forced Outage	2%	
	CAIDI	607	All Other	0%	
	Customer Minutes	2,619,138			
	Customers Affected	4,314			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Jul-23
	Underground inspection			Complete	Dec-23
	Recloser Inspection - Counter faded			To Be Completed 2024	25%

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
3	Rutan	Bristoria	Jefferson	723	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.89	Trees Off Row-Tree	85%	Q3 2023
	SAIDI	2,911.63	Equipment Failure	5%	Q4 2023
	SAIFI	5.61	Forced Outage	4%	Q1 2024
	CAIDI	519	All Other	5%	Q2 2024
	Customer Minutes	2,105,106			
	Customers Affected	4,057			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Jul-23
	Forced outage to repair damage			Complete	Oct-23
	Line Rehab (LTIIP)			Complete	Jul-23
	ESSS work requests			Complete	Dec-23
Rank	Substation	Circuit	District	Customers	Outages
4	Normalville	Indianhead	Pleasant Valley	562	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.25	Trees Off Row-Tree	60%	Q3 2023
	SAIDI	2,908.77	Trees Off Row-Limb	21%	Q4 2023
	SAIFI	1.81	Wind	18%	Q1 2024
	CAIDI	1,603	All Other	1%	Q2 2024
	Customer Minutes	1,634,728			
	Customers Affected	1,020			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Forced outage to repair damage			Complete	Dec-23
	On cycle tree trimming			Complete	Oct-23
	Phase balancing performed for better voltage			Complete	Nov-23
	Voltage regulators installed and capacitor bank opened			Complete	Feb-24

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
5	Vanceville	Vanceville	Charleroi	1,379	66
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.18	Forced Outage	37%	Q3 2023
	SAIDI	1,148.36	Trees Off Row-Tree	26%	Q4 2023
	SAIFI	3.10	Unknown	22%	Q1 2024
	CAIDI	370	All Other	15%	Q2 2024
	Customer Minutes	1,583,595			
	Customers Affected	4,280			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Jul-23
	Restore unknown outage			Complete	Oct-23
	ESSS work requests			Complete	Dec-23
	On cycle tree trimming			Complete	Dec-23
	Vanceville SS LTIP			Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages
6	Waterville	Waterville	State College	363	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.15	Other Electric Utility	43%	Q3 2023
	SAIDI	4,307.64	Wind	24%	Q4 2023
	SAIFI	8.84	Unknown	21%	Q1 2024
	CAIDI	487	All Other	12%	Q2 2024
	Customer Minutes	1,563,674			
	Customers Affected	3,208			
	Remedial Action Planned or Taken			Status	Progress
	Restore outage caused by other electric utility			Complete	Aug-23
	Underground inspection			Complete	Feb-24
	Restore outage caused by other electric utility			Complete	Jan-24
	Restore outage caused by other electric utility			Complete	Apr-24

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
7	Pangburn Hill	Pangburn Hill	Charleroi	741	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.11	Trees Off Row-Tree	68%	Q3 2023
	SAIDI	2,075.91	Wind	17%	Q4 2023
	SAIFI	3.85	Equipment Failure	6%	Q1 2024
	CAIDI	540	All Other	10%	Q2 2024
	Customer Minutes	1,538,249			
	Customers Affected	2,851			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Repair damage caused by a tree			Complete	Oct-23
	On cycle tree trimming			Complete	Dec-23
	Infrared Inspection			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
8	Ethel Springs	Pandora	Latrobe	1,984	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.01	Trees Off Row-Tree	95%	Q1 2024
	SAIDI	737.67	Equipment Failure	2%	Q2 2024
	SAIFI	2.62	Animal	1%	
	CAIDI	281	All Other	2%	
	Customer Minutes	1,463,535			
	Customers Affected	5,204			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To Be Completed 2024	99%

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
9	Franklin (Wpp)	South Waynesburg	Jefferson	2,056	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.93	Trees Off Row-Tree	58%	Q3 2023
	SAIDI	681.31	Object Contact With Line	39%	Q4 2023
	SAIFI	3.74	Forced Outage	1%	Q1 2024
	CAIDI	182	All Other	2%	Q2 2024
	Customer Minutes	1,400,766			
	Customers Affected	7,697			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Jul-23
	Repair damage caused by a tree			Complete	Dec-23
	Underground inspection			Complete	Dec-23
	Distribution circuit protection and sectionalizing (LTIP)			Complete	Nov-23
	ESSS work requests			Complete	Nov-23
	Overhead Circuit Inspection			To Be Completed 2024	67%
Franklin SS LTIP			To Be Completed 2024	50%	
Rank	Substation	Circuit	District	Customers	Outages
10	Piney Fork	Knothole	Charleroi	1,677	17
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.89	Trees Off Row-Tree	68%	Q3 2023
	SAIDI	820.60	Equipment Failure	20%	Q4 2023
	SAIFI	2.50	Line Failure	8%	Q1 2024
	CAIDI	328	All Other	5%	Q2 2024
	Customer Minutes	1,376,144			
	Customers Affected	4,194			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Overhead Circuit Inspection			Complete	May-24

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
11	Houston	Mcgovern	Washington Pa	2,107	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.85	Trees Off Row-Tree	58%	Q3 2023
	SAIDI	637.10	Line Failure	15%	Q4 2023
	SAIFI	2.30	Forced Outage	11%	Q1 2024
	CAIDI	277	All Other	15%	Q2 2024
	Customer Minutes	1,342,363			
	Customers Affected	4,838			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Forced outage to repair damage			Complete	Nov-23
	Overhead Circuit Inspection			Complete	Mar-24
	Underground inspection			Complete	Dec-23
	ESSS work requests			Complete	Dec-23
On cycle tree trimming			To Be Completed 2024	0%	
Rank	Substation	Circuit	District	Customers	Outages
12	Dutch Fork	Claysville	Washington Pa	1,641	73
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.72	Trees Off Row-Tree	73%	Q3 2023
	SAIDI	763.20	Unknown	22%	Q4 2023
	SAIFI	2.86	Lightning	1%	Q1 2024
	CAIDI	267	All Other	4%	Q2 2024
	Customer Minutes	1,252,409			
	Customers Affected	4,699			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Restore unknown outage			Complete	Nov-23
	Overhead Circuit Inspection			Complete	Dec-23
	ESSS work requests			Complete	Dec-23
	Infrared Inspection			Complete	Sep-23

West Penn						
Rank	Substation	Circuit	District	Customers	Outages	
13	White Valley	Borlands Rd	Jeannette	1,392	40	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.67	Trees Off Row-Tree	77%	Q2 2024	
	SAIDI	873.83	Unknown	12%		
	SAIFI	3.01	Forced Outage	6%		
	CAIDI	291	All Other	4%		
	Customer Minutes	1,216,378				
	Customers Affected	4,187				
	Remedial Action Planned or Taken				Status	Progress
	Overhead Circuit Inspection				To Be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages	
14	Bethelboro	Coolspring	Uniontown	1,453	44	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.65	Trees Off Row-Tree	66%	Q3 2023	
	SAIDI	827.38	Wind	21%	Q4 2023	
	SAIFI	2.71	Overload	4%	Q1 2024	
	CAIDI	305	All Other	9%	Q2 2024	
	Customer Minutes	1,202,185				
	Customers Affected	3,939				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Aug-23
	Repair damage caused by a tree				Complete	Nov-23
	Underground inspection				Complete	Dec-23
	ESSS work requests				Complete	Feb-24
Circuit protection review (LTIIP)				Complete	Nov-23	
Rank	Substation	Circuit	District	Customers	Outages	
15	Footedale	Footedale	Uniontown	1,184	32	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.65	Trees Off Row-Tree	60%	Q3 2023	
	SAIDI	1,012.31	Line Failure	21%	Q4 2023	
	SAIFI	3.23	Animal	11%	Q1 2024	
	CAIDI	314	All Other	8%	Q2 2024	
	Customer Minutes	1,198,576				
	Customers Affected	3,820				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Aug-23
Repair damage caused by a vehicle				Complete	Oct-23	
Patrolled a portion of the circuit				Complete	Feb-24	

West Penn						
Rank	Substation	Circuit	District	Customers	Outages	
16	Amity	Amity	Washington Pa	534	21	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.61	Trees Off Row-Tree	84%	Q3 2023	
	SAIDI	2,198.16	Line Failure	11%	Q4 2023	
	SAIFI	3.20	Equipment Failure	3%	Q1 2024	
	CAIDI	687	All Other	2%	Q2 2024	
	Customer Minutes	1,173,817				
	Customers Affected	1,709				
	Remedial Action Planned or Taken			Status	Progress	
	Repair damage caused by a tree			Complete	Aug-23	
	ESSS work requests			Complete	Dec-23	
	On cycle tree trimming			To Be Completed 2024	97%	
	Rank	Substation	Circuit	District	Customers	Outages
	17	Peters	Mcmurray	Boyce	1,499	38
Reliability		Outage by Cause		Previously Ranked		
SAIDI Impact		1.55	Line Failure	41%	Q4 2023	
SAIDI		750.41	Trees Off Row-Tree	35%	Q1 2024	
SAIFI		4.54	Forced Outage	13%	Q2 2024	
CAIDI		165	All Other	11%		
Customer Minutes		1,124,861				
Customers Affected		6,801				
Remedial Action Planned or Taken			Status	Progress		
Restore unknown outage			Complete	Dec-23		
Overhead Circuit Inspection			Complete	Mar-24		
Infrared Inspection			Complete	Aug-23		

West Penn						
Rank	Substation	Circuit	District	Customers	Outages	
18	Bethlen	Laughlintown	Latrobe	1,095	61	
	SAIDI Impact		1.30		Trees Off Row-Tree	
	SAIDI Impact	1.52	Trees Off Row-Tree	89%	Q3 2023	
	SAIDI	1,006.56	Line Failure	7%	Q4 2023	
	SAIFI	3.18	Unknown	2%	Q1 2024	
	CAIDI	316	All Other	2%	Q2 2024	
	Customer Minutes	1,102,178				
	Customers Affected	3,484				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Aug-23
	Repair damage caused by a tree				Complete	Nov-23
	ESSS work requests				Complete	Jan-24
	Forestry work				Complete	Mar-24
	Line Rehab (LTIIP)				Complete	Feb-24
Rank	Substation	Circuit	District	Customers	Outages	
19	Bentleyville	Ellsworth	Charleroi	1,212	23	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.51	Equipment Failure	38%	Q2 2024	
	SAIDI	906.66	Vehicle	37%		
	SAIFI	2.15	Trees Off Row-Tree	22%		
	CAIDI	421	All Other	3%		
	Customer Minutes	1,098,868				
	Customers Affected	2,610				
	Remedial Action Planned or Taken				Status	Progress
	Infrared Inspection				Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages	
20	Finleyville	Gastonville	Charleroi	1,642	39	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.47	Vehicle	34%	Q2 2024	
	SAIDI	653.20	Line Failure	25%		
	SAIFI	2.67	Wind	20%		
	CAIDI	244	All Other	22%		
	Customer Minutes	1,072,557				
	Customers Affected	4,391				
	Remedial Action Planned or Taken				Status	Progress
	Infrared Inspection				Complete	Aug-23
Overhead Thermography Follow-up				Complete	Apr-24	
Overhead circuit inspection				Complete	May-24	

West Penn						
Rank	Substation	Circuit	District	Customers	Outages	
21	Driftwood	Driftwood	St Marys	821	32	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.42	Trees Off Row-Tree	86%	Q1 2024	
	SAIDI	1,258.55	Trees Off Row-Limb	11%	Q2 2024	
	SAIFI	2.54	Unknown	1%		
	CAIDI	495	All Other	2%		
	Customer Minutes	1,033,273				
	Customers Affected	2,087				
	Remedial Action Planned or Taken				Status	Progress
	Circuit Rehab (LTIIP)				To Be Completed 2024	50%
Rank	Substation	Circuit	District	Customers	Outages	
22	Levelgreen	Levelgreen	Jeannette	1,556	32	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.40	Vehicle	44%	Q2 2024	
	SAIDI	652.64	Unknown	34%		
	SAIFI	2.36	Trees Off Row-Tree	21%		
	CAIDI	276	All Other	1%		
	Customer Minutes	1,015,502				
	Customers Affected	3,677				
	Remedial Action Planned or Taken				Status	Progress
	ESSS work requests				Complete	Apr-24
Rank	Substation	Circuit	District	Customers	Outages	
23	North Washington	Poke Run	Arnold	1,224	60	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.39	Trees Off Row-Tree	78%	Q2 2024	
	SAIDI	824.32	Unknown	11%		
	SAIFI	2.38	Trees Off Row-Limb	8%		
	CAIDI	346	All Other	3%		
	Customer Minutes	1,008,967				
	Customers Affected	2,917				
	Remedial Action Planned or Taken				Status	Progress
	Overhead circuit inspection				Complete	Mar-24

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
24	Donegal	Buchanan	Pleasant Valley	1,094	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.38	Trees Off Row-Tree	59%	Q2 2024
	SAIDI	918.45	Trees Off Row-Limb	14%	
	SAIFI	2.14	Vehicle	14%	
	CAIDI	429	All Other	13%	
	Customer Minutes	1,004,782			
	Customers Affected	2,341			
	Remedial Action Planned or Taken			Status	Progress
	Install Tollgrade monitors			Complete	Dec-23
Rank	Substation	Circuit	District	Customers	Outages
25	Kane	Russell City	St Marys	711	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.35	Trees Off Row-Tree	77%	Q1 2024
	SAIDI	1,380.80	Line Failure	20%	Q2 2024
	SAIFI	2.63	Wind	3%	
	CAIDI	525	All Other	0%	
	Customer Minutes	981,747			
	Customers Affected	1,871			
	Remedial Action Planned or Taken			Status	Progress
	Repair Line Failure			Complete	Jan-24
	Repair Line Failure			Complete	Jun-24
Rank	Substation	Circuit	District	Customers	Outages
26	Bethel Park	Clifton	Boyce	981	15
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.35	Trees Off Row-Tree	51%	Q2 2024
	SAIDI	998.13	Trees Off Row-Limb	26%	
	SAIFI	4.77	Unknown	23%	
	CAIDI	209	All Other	0%	
	Customer Minutes	979,163			
	Customers Affected	4,680			
	Remedial Action Planned or Taken			Status	Progress
	Infrared Inspection			Complete	Aug-23

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
27	Murrycrest	Sardis Road	Jeannette	1,488	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.34	Trees Off Row-Tree	79%	Q1 2024
	SAIDI	655.23	Line Failure	17%	Q2 2024
	SAIFI	3.33	Trees Off Row-Limb	3%	
	CAIDI	197	All Other	1%	
	Customer Minutes	974,986			
	Customers Affected	4,958			
	Remedial Action Planned or Taken			Status	Progress
	Replaced transformer arrestor			Complete	Nov-23
	Overhead circuit inspection			Complete	Mar-24
Rank	Substation	Circuit	District	Customers	Outages
28	Penn Trafford	Pleasant Valley	Jeannette	869	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.34	Trees Off Row-Tree	89%	Q2 2024
	SAIDI	1,120.89	Unknown	8%	
	SAIFI	3.38	Lightning	2%	
	CAIDI	332	All Other	1%	
	Customer Minutes	974,054			
	Customers Affected	2,936			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To Be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
29	Amity	Banetown	Washington Pa	1,485	46
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.32	Trees Off Row-Tree	65%	Q3 2023
	SAIDI	646.88	Line Failure	13%	Q4 2023
	SAIFI	2.04	Trees Off Row-Limb	13%	Q1 2024
	CAIDI	317	All Other	9%	Q2 2024
	Customer Minutes	960,615			
	Customers Affected	3,026			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Infrared Inspection			Complete	Sep-23

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
30	Cecil	Bishop	Boyce	2,042	45
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.31	Vehicle	43%	Q2 2024
	SAIDI	465.33	Trees Off Row-Tree	34%	
	SAIFI	3.46	Trees Off Row-Limb	15%	
	CAIDI	134	All Other	9%	
	Customer Minutes	950,196			
	Customers Affected	7,073			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Mar-24
Rank	Substation	Circuit	District	Customers	Outages
31	Iron Bridge	Mt Pleasant	Pleasant Valley	1,110	14
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.30	Trees Off Row-Tree	89%	Q1 2024
	SAIDI	853.96	Unknown	10%	Q2 2024
	SAIFI	2.10	Animal	1%	
	CAIDI	408	All Other	0%	
	Customer Minutes	947,901			
	Customers Affected	2,326			
	Remedial Action Planned or Taken		Status	Progress	
	Post storm circuit patrol			Complete	Jan-24
	Overhead circuit inspection			Complete	Mar-24
On cycle tree trimming			To Be Completed 2024	33%	
Rank	Substation	Circuit	District	Customers	Outages
32	North Fayette	Oakdale	Boyce	1,386	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.28	Line Failure	59%	Q2 2024
	SAIDI	670.83	Forced Outage	29%	
	SAIFI	2.25	Trees Off Row-Tree	8%	
	CAIDI	299	All Other	3%	
	Customer Minutes	929,767			
	Customers Affected	3,114			
	Remedial Action Planned or Taken		Status	Progress	
	Forced outage to repair damage			Complete	Jun-24

West Penn						
Rank	Substation	Circuit	District	Customers	Outages	
33	Charleroi	Warner	Charleroi	1,216	31	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.28	Trees Off Row-Tree	63%	Q4 2023	
	SAIDI	764.38	Unknown	20%	Q1 2024	
	SAIFI	1.77	Vehicle	8%	Q2 2024	
	CAIDI	431	All Other	9%		
	Customer Minutes	929,481				
	Customers Affected	2,158				
	Remedial Action Planned or Taken			Status	Progress	
	Overhead Circuit Inspection			To Be Completed 2024	4%	
	On cycle tree trimming			To Be Completed 2024	97%	
	Overhead Thermography Follow-up			Complete	Mar-24	
	Rank	Substation	Circuit	District	Customers	Outages
34	Iron Bridge	Alverton	Pleasant Valley	696	22	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.26	Equipment Failure	43%	Q1 2024	
	SAIDI	1,316.83	Trees Off Row-Tree	23%	Q2 2024	
	SAIFI	2.34	Line Failure	22%		
	CAIDI	562	All Other	13%		
	Customer Minutes	916,513				
	Customers Affected	1,631				
	Remedial Action Planned or Taken			Status	Progress	
	Underground inspection			Complete	Dec-23	
	On cycle tree trimming			To Be Completed 2024	0%	
	Rank	Substation	Circuit	District	Customers	Outages
	35	Hickory	Fort Cherry	Washington Pa	1,059	31
Reliability		Outage by Cause		Previously Ranked		
SAIDI Impact		1.23	Trees Off Row-Tree	74%	Q2 2024	
SAIDI		845.53	Line Failure	22%		
SAIFI		3.65	Trees Off Row-Limb	2%		
CAIDI		231	All Other	2%		
Customer Minutes		895,416				
Customers Affected		3,869				
Remedial Action Planned or Taken			Status	Progress		
Infrared Inspection			Complete	Sep-23		

West Penn					
Rank	Substation	Circuit	District	Customers	Outages
36	Smith	Florence	Washington Pa	810	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.20	Trees Off Row-Tree	93%	Q1 2024
	SAIDI	1,075.05	Line Failure	3%	Q2 2024
	SAIFI	2.46	Wind	2%	
	CAIDI	438	All Other	2%	
	Customer Minutes	870,787			
	Customers Affected	1,989			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Jan-24
	Infrared Inspection			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
37	Connellsville	West Side	Pleasant Valley	554	7
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.18	Trees Off Row-Limb	66%	Q1 2024
	SAIDI	1,543.48	Unknown	19%	Q2 2024
	SAIFI	4.17	Wind	7%	
	CAIDI	370	All Other	8%	
	Customer Minutes	855,090			
	Customers Affected	2,312			
	Remedial Action Planned or Taken			Status	Progress
	Circuit protection review (LTIP)			Complete	Nov-23
	WR to replace fuse			Complete	Nov-23
Rank	Substation	Circuit	District	Customers	Outages
38	White Valley	Congruity	Jeannette	1,724	51
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.14	Trees Off Row-Tree	62%	Q2 2024
	SAIDI	482.01	Unknown	22%	
	SAIFI	1.76	Wind	6%	
	CAIDI	274	All Other	10%	
	Customer Minutes	830,979			
	Customers Affected	3,031			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To Be Completed 2024	0%

West Penn						
Rank	Substation	Circuit	District	Customers	Outages	
39	Brave	Spragg	Jefferson	368	38	
	SAIDI Impact		1.12		Trees Off Row-Tree	
	SAIDI Impact	1.12	Trees Off Row-Tree	84%	Q1 2024	
	SAIDI	2,214.56	Line Failure	7%	Q2 2024	
	SAIFI	3.45	Unknown	5%		
	CAIDI	643	All Other	5%		
	Customer Minutes	814,959				
	Customers Affected	1,268				
	Remedial Action Planned or Taken				Status	Progress
	On cycle tree trimming				To Be Completed 2024	0%
	Infrared Inspection				Complete	Aug-23
	Rank	Substation	Circuit	District	Customers	Outages
40	Roundhill	Roundhill	Charleroi	954	34	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.11	Trees Off Row-Tree	65%	Q3 2023	
	SAIDI	847.48	Lightning	23%	Q4 2023	
	SAIFI	2.57	Forced Outage	6%	Q2 2024	
	CAIDI	330	All Other	7%		
	Customer Minutes	808,499				
	Customers Affected	2,448				
	Remedial Action Planned or Taken				Status	Progress
	Overhead Circuit Inspection (62259364)				Complete	Jul-23
	Repair damage caused by a tree				Complete	Aug-23
	Overhead Thermography Follow-up				Complete	Mar-24

West Penn					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2023	4Q 2023	1Q 2024	2Q 2024
Donegal	Champion	X	X		
Bethlen	Laurel Valley	X	X		
Bethlen	Darlington	X	X	X	
Fort Palmer	Oakgrove	X	X	X	
Karns City	Kaylor	X	X		
Springfield Pike	Rock Ridge	X	X		
Franklin Wpp	South Waynesburg	X		X	
Ethel Springs	Railroad	X	X		
North Union	Phillips	X	X		
South Union	Brownfield	X	X		
Laurelville	Laurelville	X	X		
Port Matilda	Port Matilda	X		X	
Connellsville	Trotter	X	X		
Stahlstown	Kreager	X	X		
Piney Fork	Cochran Mill	X	X		
Frazier	Star Junction	X	X	X	
Frazier	Perry	X	X	X	
Gordon	Wolfdale		X	X	

West Penn				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Progress of Remedial Work or Date Completed
Frazier	Star Junction	ESSS work requests	Complete	Apr-24
Frazier	Perry	On cycle tree trimming	Complete	May-24
Tri Town	Vanderbilt	On cycle tree trimming	In Progress	99%
Normalville	Normalville	Substation inspection	Complete	Jun-24
Crossgates	Peters Twp	Underground inspection	Complete	May-24
Crossgates	Peters Twp	Install circuit tie (LTIP)	In Progress	50%

Pursuant to Docket Nos. D-2014-2365991, D-2014-2365992, D-2014-2365993, and D-2014-2365994, (Appendix A)(3): The Company is directed to track and measure line hit incidents, causes of line hits, and damage recovery amounts for all third-party line hit incidents for each Rate District.

Met-Ed –Third Party Line Hit Incidents			
2nd Quarter 2024 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	42	\$30,576	\$891
Excavated in Tolerance	16	\$54,639	\$18,880
Excavation Inconsistent with Ticket Scope	1	\$0	\$0
Excavation Prior to Lawful Start Date	2	\$2,357	\$1,100
Expired Ticket	1	\$1,572	\$0
Hand Digging	0	\$0	\$0
Marked Improperly	11	\$26,434	\$19,962
No Ticket	12	\$13,849	\$2,345
Total	85	\$129,427	\$43,178

Penelec – Third Party Line Hit Incidents			
2nd Quarter 2024 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	70	\$142,218	\$41,401
Excavated in Tolerance	9	\$8,908	\$0
Excavation Inconsistent with Ticket Scope	1	\$200	\$0
Excavation Prior to Lawful Start Date		\$0	\$0
Expired Ticket	4	\$1,847	\$1,847
Hand Digging		\$0	\$0
Marked Improperly	14	\$52,832	\$12,537
No Ticket	27	\$44,904	\$10,062
Total	125	\$250,909	\$65,847

Penn Power – Third Party Line Hit Incidents			
2nd Quarter 2024 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	36	\$78,936.00	\$17,819.00
Excavated in Tolerance	4	\$10,578.00	\$0.00
Excavation Inconsistent with Ticket Scope	1	\$1,509.00	\$0.00
Excavation Prior to Lawful Start Date	2	\$3,810.00	\$0.00
Expired Ticket	3	\$12,511.00	\$5,100.00
Hand Digging		\$0.00	\$0.00
Marked Improperly	3	\$21,830.00	\$16,454.00
No Ticket	7	\$5,726.00	\$3,075.00
Total	56	\$134,900	\$42,448

West Penn – Third Party Line Hit Incidents			
2nd Quarter 2024 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	56	\$72,462	\$36,047
Excavated in Tolerance	17	\$22,121	\$4,558
Excavation Inconsistent with Ticket Scope	1	\$2,582	\$0
Excavation Prior to Lawful Start Date		\$0	\$0
Expired Ticket	1	\$1,296	\$0
Hand Digging	1	\$1,090	\$0
Marked Improperly	13	\$33,506	\$16,409
No Ticket	31	\$99,016	\$13,693
Total	120	\$232,073	\$70,707

Cause of Line Hit	Definition
Dig In - Other	Still under investigation
Excavated in Tolerance	Excavator didn't use prudent digging techniques within the Tolerance Zone
Excavation Inconsistent with Ticket Scope	Excavation outside dig box and/or scope of ticket
Excavation Prior to Lawful Start Date	Three business days prior to start of excavation from when the ticket was called in to mark
Expired Ticket	After ten business days have passed, the ticket is considered expired
Hand Digging	Excavator was hand digging within the Tolerance Zone, however the facility was still hit
Marked Improperly	Ticket called in, facility and/or equipment was not marked properly
No Ticket	No contact was made to create a dig-request ticket