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November 20, 2023

VIA E-FILING

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

Re: Revised Joint 3rd Quarter 2023 Reliability Report – Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company – Public Version; Docket No. M-2023-3039027

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company (collectively, the “Companies”) are the revised Joint 3rd Quarter 2023 Reliability Report – Public Version (“Revised Joint Report”). This Revised Joint Report is intended to replace and supersede the report filed on November 1, 2023. Specifically, this Revised Joint Report addresses an error on page 9 “Outage by Cause” chart where for Met Ed had incorrect causes in line 20 and 21 (Tree off ROW-Limb and Trees off ROW-Tree, respectively). Those have been replaced with “Previous Lightening” and “Ice.”

On December 22, 2004, the Companies filed an Application for Protective Order at Docket No. L-00030161. The Application was granted, allowing the Companies to file proprietary versions of the quarterly reliability reports. The Proprietary Version of this Revised Joint 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

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)
Harry Bidelspach – PaPUC Bureau of Technical Utility Services (via electronic mail)

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Revised Joint 3rd Quarter 2023 Reliability :
Report – Metropolitan Edison Company, :
Pennsylvania Electric Company : **Docket No. M-2023-3039027**
Pennsylvania Power Company and West :
Penn Power Company – 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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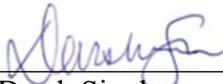
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Dated: November 20, 2023



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West Penn Power Company



Joint 2023 3rd Quarter Reliability Report

Metropolitan Edison Company,
Pennsylvania Electric Company,
Pennsylvania Power Company, and
West Penn Power Company

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

**Joint 3rd Quarter 2023 Reliability Report –
Metropolitan Edison Company (“Met-Ed”),
Pennsylvania Electric Company (“Penelec”),
Pennsylvania Power Company (“Penn Power”), and
West Penn Power Company (“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
Met-Ed	69,436	Duration	119 hours 54 minutes	Thunderstorm Tornado	October 16, 2023
		Start Date/Time	08/07/2023 1652		
		End Date/Time	08/12/2023 1646		

¹ For purposes of this Joint 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.

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

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

3Q 2023 (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	1.28	1.26	1.52	1.76	1.12	1.34	.85	1.05	1.26	1.18
CAIDI	117	140	203.21	117	141	191.87	101	121	154.57	170	204	273.49
SAIDI	135	194	260.12	148	213	337.53	113	162	130.78	179	257	322.32
MAIFI ²			0.315			0.557			0.019			
Customers Served ³		579,713			581,301			169,240			726,855	
Number of Sustained Interruptions		13,437			16,518			3,230			14,636	
Customers Affected		742,092			1,022,581			143,188			856,345	
Customer Minutes		150,797,364			196,206,951			22,133,051			234,232,878	
Number of Customer Momentary Interruptions		182,681			324,152			3,154				

² MAIFI values are not available for West Penn.

³ Represents the average number of customers served during the reporting period.

Unique Events Occurring in 3Q 2023:

Met-Ed

- Beginning Thursday afternoon, July 20, 2023, a weather system moved from west to east through Pennsylvania, reaching the Met-Ed service territory in the early morning hours on Friday, July 21, 2023. The system produced storms with heavy precipitation, lightning and wind gusts exceeding 40 miles per hour. Approximately 61.6% of the total outages that occurred were tree related with an additional 11% being lightning related. The reliability impact of the storm was 4.7 minutes of SAIDI, 0.0145 of SAIFI frequency, and an overall storm CAIDI of 323.3 minutes.
- Beginning Friday afternoon, July 28, 2023, a weather system moved through Pennsylvania, including the Met-Ed service territory. The system produced storms with heavy precipitation, lightning, and wind gusts of approximately 49 miles per hour. Late Saturday afternoon, July 29, 2023, as crews were working to restore service to customers affected by the Friday storms, another weather system moved through the Met-Ed service territory. This system also produced precipitation, lightning, and wind gusts of approximately 48 miles per hour. Approximately 57.2% of the total outages that occurred were tree related. The reliability impact of the storm was 10.5 minutes of SAIDI, 0.0334 of SAIFI frequency, and an overall storm CAIDI of 314.2 minutes.
- Beginning Monday afternoon, August 7, 2023, a weather system moved through Pennsylvania, including the Met-Ed service territory. The system produced storms with heavy precipitation, lightning, and straight-line wind gusts estimated by the National Weather Service to have been between 70 and 85 miles per hour. In addition to the straight-line winds, the National Weather Service confirmed an EF1 tornado with winds of up to 107 miles per hour touched down in southern York County. Approximately 58.5% of the total outages that occurred were tree related with an additional 10.1% wind related. The reliability impact of the storm was 160.8⁴ minutes of SAIDI, 0.12 of SAIFI frequency, and an overall storm CAIDI of 1,342.4 minutes.
- On Saturday, August 12, 2023, a weather system moved through Pennsylvania, reaching the Met-Ed service territory in the early hours of Sunday, August 13, 2023. The system produced storms with heavy precipitation, lightning, and wind gusts of approximately 45 miles per hour. Approximately 60.6% of the total outages were tree related. The reliability impact of the storm was 18.6 minutes of SAIDI, 0.0353 of SAIFI frequency, and an overall storm CAIDI of 526.5 minutes.
- On Thursday, September 7, 2023, a weather system moved through Pennsylvania, reaching the Met-Ed service territory in the early afternoon. The system produced storms

⁴ SAIDI results have been updated to 160.8 minutes from the preliminary results of 161.2 minutes from the 67.1 report submitted on August 24, 2023.

with heavy precipitation, lightning, and wind gusts of approximately 58 miles per hour. On Saturday, September 9, 2023, as crews were working to restore service to customers, another weather system moved through the Met-Ed service territory. This system produced precipitation and wind gusts of approximately 36 miles per hour, resulting in additional outages. Approximately 51.2% of the total outages were tree-related with an additional 12.7% lightning-related. The reliability impact of the storm was 41.1 minutes of SAIDI, 0.0937 of SAIFI frequency, and an overall storm CAIDI of 438.6 minutes.

Penelec

- Beginning the afternoon of July 20, 2023, a storm producing heavy rain and high winds moved through Pennsylvania including the Penelec service territory. Penelec experienced wind gusts up to 49 miles per hour and portions of the service territory received up to 2 inches of rain and 2.5 inches in isolated areas in northwest Pennsylvania. Approximately 56% of the total outages that occurred were tree related. The reliability impact of the storm was 31.9 minutes of SAIDI, 0.11 of SAIFI, and an overall storm CAIDI of 300.78 minutes.
- Beginning the afternoon of August 12, 2023, a weather system producing heavy rain and winds moved through Pennsylvania including the Penelec service territory. Penelec experienced wind gusts up to 38 miles per hour and portions of the service territory received up to 2.5 inches of rain. Approximately 54.5% of the total outages that occurred were tree related. The reliability impact of the storm was 9.6 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 279.30 minutes.
- Beginning in the afternoon hours of Thursday, September 7, 2023, a weather system producing heavy rain and winds moved through Pennsylvania including the Penelec service territory. The system produced storms with heavy precipitation and high winds of approximately 46 miles per hour. Approximately 49.0% of the total outages that occurred were tree-related and an additional 18.0% were lightning-related. The reliability impact of the storm was 11.0 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 392.05 minutes.

Penn Power

- Beginning in the early morning hours of Friday, August 25, 2023, a line of thunderstorms moved from northwest to southeast across Pennsylvania, including the Penn Power service territory. The storms produced rain, lightning, and wind gusts of over 50 miles per hour. Approximately 84% of the total outages that occurred were tree related. Restoration activities were affected by the rain saturated terrain, which in some areas required the use of off-road track equipment to access and fix broken poles. The reliability impact of the storm was 33.2 minutes of SAIDI, 0.05 of SAIFI, and an overall storm CAIDI of 614.86 minutes.

West Penn Power

- Beginning the evening of Thursday, July 13, 2023, thunderstorms moved through western Pennsylvania impacting areas of the West Penn service territory. The storm produced heavy rains, lightning, and wind gusts in excess of 60 miles per hour. During the afternoon of Friday, July 14, 2023, as crews were working to restore outages caused by the Thursday storms, an additional storm system moved through central Pennsylvania, including areas of the West Penn service territory. These storms produced heavy rains, lightning, and wind gusts in excess of 40 miles per hour. Approximately 68.5% of the total outages that occurred were tree related. The reliability impact of the storms was 13.8 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 345.45 minutes.
- Beginning the evening of Thursday, July 20, 2023, a line of thunderstorms moved from northwest to southeast across Pennsylvania, including the West Penn service territory. The storm produced rain, lightning, and wind gusts of over 40 miles per hour on July 20, 2023. Approximately 47% of the total outages that occurred were tree related. The reliability impact of the storm was 13.2 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 451.99 minutes.
- Beginning the afternoon of Saturday, August 12, 2023, a line of thunderstorms moved from northwest to southeast across Pennsylvania, including the West Penn service territory. The storm produced rain, lightning, and wind gusts of over 40 miles per hour on August 12, 2023. Approximately 63.6% of the total outages that occurred were tree related. The reliability impact of the storm was 4.9 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 300.66 minutes.
- Beginning late night Thursday, August 24, 2023, through the morning of Friday, August 25, 2023, a line of thunderstorms moved from northwest to southeast across Pennsylvania, including the West Penn service territory. The storm produced rain, lightning, and wind gusts of over 60 miles per hour on August 25, 2023. Approximately 71.3% of the total outages that occurred were tree related. Preliminary data indicate the reliability impact of the storm was 45.0 minutes of SAIDI, 0.07 of SAIFI, and an overall storm CAIDI of 623.62 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.

Outages by Cause – Met-Ed

Outage by Cause				
3rd Quarter 2023 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees Off Row-Tree	64,376,697	3,173	197,557	42.69%
Equipment Failure	21,323,876	2,365	108,149	14.14%
Trees Off Row-Limb	16,008,342	1,238	56,085	10.62%
Unknown	12,147,556	1,565	86,087	8.06%
Forced Outage	10,214,275	749	111,530	6.77%
Vehicle	7,632,980	391	55,864	5.06%
Line Failure	4,636,349	592	21,755	3.07%
Lightning	3,369,411	262	12,812	2.23%
Animal	2,329,591	1,407	30,502	1.54%
Wind	1,887,795	89	4,551	1.25%
Trees On Row	1,817,776	160	6,151	1.21%
Human Error - Company	1,728,086	55	30,284	1.15%
Trees - Sec/Service	1,065,607	519	2,344	0.71%
Human Error -Non-Company	808,150	65	3,180	0.54%
Object Contact With Line	357,403	45	3,708	0.24%
Bird	309,493	601	2,835	0.21%
Overload	202,760	56	1,866	0.13%
Ug Dig-Up	185,015	35	478	0.12%
Previous Lightning	160,073	12	564	0.11%
Ice	117,398	12	679	0.08%
Customer Equipment	64,102	25	3,996	0.04%
Other Electric Utility	19,849	9	29	0.01%
Switching Error	18,281	3	927	0.01%
Other Utility-Non Elec	8,425	2	122	0.01%
Fire	7,061	5	35	0.00%
Vandalism	1,013	2	2	0.00%
Total	150,797,364	13,437	742,092	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 September 30, 2023, and associated actions designed to address these outage causes.

To address outages caused by trees, Met-Ed performs cycle-based tree trimming and enhanced tree trimming in select locations. Enhanced tree trimming removes healthy limbs overhanging primary conductors. Met-Ed’s options under the law are strictly limited when it comes to 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. Met-Ed is very active in pursuing this option, where available. 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 52 Pa. Code § 57.198, every two years an electric distribution company shall file, and receive approval from the Commission of, a biennial plan for the periodic inspection, maintenance, repair, and replacement of its facilities. The Companies submitted their Biennial Inspection, Maintenance, Repair and Replacement Plan for the period January 1, 2023 through December 31, 2024 on July 17, 2023 which was deemed approved pursuant to 52 Pa. Code § 57.198(i).

Outages by Cause – Penelec

Outage by Cause				
3rd Quarter 2023 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	77,667,650	3,419	267,516	39.58%
Equipment Failure	32,429,003	2,769	217,254	16.53%
Wind	19,641,476	267	31,464	10.01%
Line Failure	13,065,662	1,816	90,211	6.66%
Unknown	11,320,613	2,186	107,461	5.77%
Forced Outage	9,935,778	1,322	90,359	5.06%
Trees Off Row-Limb	7,538,184	581	28,018	3.84%
Vehicle	6,832,814	489	62,552	3.48%
Lightning	4,802,263	478	29,430	2.45%
Ice	3,396,374	117	15,357	1.73%
Animal	3,051,341	1,299	27,974	1.56%
Bird	1,283,327	423	12,869	0.65%
Trees - Sec/Service	959,639	805	2,738	0.49%
Human Error -Non-Company	860,655	74	7,778	0.44%
Trees On Row	805,857	73	1,859	0.41%
Other Electric Utility	740,323	80	2,288	0.38%
Overload	589,840	21	4,871	0.30%
Human Error - Company	339,514	66	14,064	0.17%
Object Contact With Line	273,651	42	966	0.14%
Vandalism	196,873	31	3,823	0.10%
Fire	188,278	19	1,039	0.10%
Ug Dig-Up	153,042	69	634	0.08%
Switching Error	39,730	4	1,423	0.02%
Customer Equipment	39,238	13	310	0.02%
Other Utility-Non Elec	35,299	4	109	0.02%
Contamination	12,090	31	150	0.01%
Previous Lightning	8,437	20	64	0.00%
Total	196,206,951	16,518	1,022,581	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 September 30, 2023, and the associated actions designed to address these outage causes.

To reduce 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's options under the law are strictly limited when it comes to all forms of off-ROW tree management. However, Penelec is legally permitted to identify off-ROW priority 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. Penelec is very active in pursuing this option, where available. Trees identified as a potential cause of a future outage are removed to prevent an interruption of electrical service to Penelec's customers. In response to damage caused by the Emerald Ash Borer, a program to proactively remove ash trees off rights-of-way was completed in 2019. Beyond 2019, any additional ash trees are addressed under Penelec's hazardous tree maintenance process.

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				
3rd Quarter 2023 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	10,723,345	773	39,747	48.45%
Trees Off Row-Limb	2,465,960	351	18,719	11.14%
Equipment Failure	2,422,249	349	23,167	10.94%
Line Failure	1,564,746	366	8,470	7.07%
Vehicle	1,430,623	96	11,652	6.46%
Unknown	824,487	163	11,341	3.73%
Lightning	808,522	146	5,064	3.65%
Animal	623,620	330	7,903	2.82%
Forced Outage	518,261	80	12,111	2.34%
Bird	259,511	369	2,688	1.17%
Trees - Sec/Service	191,798	131	351	0.87%
Call Error	100,289	2	371	0.45%
Wind	47,382	5	11	0.21%
Overload	44,359	14	619	0.20%
Trees On Row	33,137	6	137	0.15%
Ug Dig-Up	21,032	17	161	0.10%
Human Error - Company	15,983	2	445	0.07%
Other Electric Utility	15,470	1	70	0.07%
Ice	6,783	2	21	0.03%
Human Error -Non-Company	5,966	11	54	0.03%
Fire	4,278	3	23	0.02%
Object Contact With Line	3,974	5	53	0.02%
Customer Equipment	624	3	5	0.00%
Previous Lightning	545	4	4	0.00%
Vandalism	107	1	1	0.00%
Total	22,133,051	3,230	143,188	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 September 30, 2023 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's options under the law are strictly limited when it comes to all forms of off-ROW tree management. However, Penn Power is legally permitted to identify off-ROW priority 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. Penn Power is very active in pursuing this option, where available. Trees identified as a potential cause of a future outage are removed to prevent an interruption of electrical service to Penn Power's customers. In addition, Penn Power performs enhanced trimming to circuits that experience high customer interruption minutes due to vegetation, which removes limbs overhanging primary conductors.

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				
3rd Quarter 2023 12-Month Rolling	West Penn			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees Off Row-Tree	128,329,287	4,424	251,660	54.79%
Unknown	22,058,835	1,536	121,300	9.42%
Line Failure	20,931,285	1,728	90,796	8.94%
Equipment Failure	18,587,360	1,949	106,313	7.94%
Vehicle	9,795,410	494	58,347	4.18%
Forced Outage	9,155,235	1,000	108,648	3.91%
Trees Off Row-Limb	8,859,765	590	37,906	3.78%
Wind	5,367,253	255	15,481	2.29%
Trees On Row	2,743,832	192	6,318	1.17%
Animal	2,271,515	1,256	22,736	0.97%
Lightning	1,507,206	158	7,678	0.64%
Bird	1,175,701	428	11,567	0.50%
Other Electric Utility	1,027,501	11	1,892	0.44%
Human Error -Non-Company	571,832	68	3,809	0.24%
Trees - Sec/Service	507,639	359	1,092	0.22%
Object Contact With Line	391,127	46	3,456	0.17%
Ice	299,889	13	279	0.13%
Fire	283,851	23	1,773	0.12%
Ug Dig-Up	226,245	55	539	0.10%
Human Error - Company	102,952	24	4,624	0.04%
Other Utility-Non Elec	12,207	5	38	0.01%
Overload	11,561	10	41	0.00%
Contamination	6,352	1	16	0.00%
Vandalism	5,305	4	12	0.00%
Customer Equipment	2,974	6	21	0.00%
Previous Lightning	759	1	3	0.00%
Total	234,232,878	14,636	856,345	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 September 30, 2023, and the associated actions designed to address these outage causes.

To reduce 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's options under the law are strictly limited when it comes to 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. West Penn is very active in pursuing this option, where available. 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.

Outages caused by unknown factors are patrolled by a troubleman and recorded as having an unknown cause. For certain unknown outages, engineering may conduct a post-outage circuit inspection as needed to determine if additional actions are necessary.

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		
		Planned Annual	Completed 3Q	Completed YTD	Planned Annual	Completed 3Q	Completed YTD	Planned Annual	Completed 3Q	Completed YTD	Planned Annual	Completed 3Q	Completed YTD
Forestry	Transmission (Miles)	283	276	97.4%	372	351	94.1%	78	57	73.3%	533	436	81.7%
	Distribution (Miles)	2,605	2,027	77.8%	3,438	2,422	70.5%	1,121	852	76.0%	4,203	3,400	80.9%
Transmission	Aerial Patrols	2	1	50.0%	2	1	50.0%	2	2	100.0%	2	1	50.0%
	Groundline	2,246	694	30.9%	2,398	654	27.3%	0	0	-	1,591	1,553	97.6%
Substation	Substation Inspections Class A	418	418	100.0%	780	780	100.0%	148	148	100.0%	936	936	100.0%
	Substation Inspections Class B	418	209	50.0%	780	391	50.1%	148	74	50.0%	936	468	50.0%
	Substation Inspections Class C	1,672	1,254	75.0%	3,120	2,342	75.1%	592	444	75.0%	3,744	2,808	75.0%
Distribution	Transformers	157	133	84.7%	432	415	9610.0%	11	11	100.0%	382	339	88.7%
	Breakers	63	47	74.6%	366	309	84.4%	7	6	85.7%	387	307	79.3%
	Relay Schemes	138	89	64.5%	276	255	92.4%	22	21	95.5%	159	18	11.3%
	Capacitors	4,864	4,864	100.0%	8,646	8,647	100.0%	318	319	100.0%	1,310	1,310	100.0%
	Poles	49,000	26,557	54.2%	41,590	42,710	100.0%	9,687	1,609	16.6%	53,746	24,427	45.4%
Distribution	Reclosers	1,526	1,526	100.0%	2,607	2,607	100.0%	1,073	1,073	100.0%	4,128	4,128	100.0%
	Radio-Controlled Switches	1,566	1,144	73.1%	2,628	1,914	72.0%	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

Met-Ed						
T&D O&M – 3Q / YTD September 2023 (\$)						
Transmission						
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget	
560	Operation Supervision and Engineering	0	0	0	0	0
561	Load Dispatching	788	4,908	-613	14,022	18,228
562	Station Expenses	2,707	1,064	5,801	3,191	4,255
563	Overhead Lines Expenses	5,105	10,895	48,027	32,686	43,581
565	Transmission of Electricity by Others	3,156,302	2,982,592	9,171,229	8,947,776	11,930,368
566	Miscellaneous Transmission Expenses	-2,357	-12,451	-3,375	-35,208	-49,026
567	Rents	0	0	0	0	0
568	Maintenance Supervision and Engineering	3,204	0.02	6,788	0	0
569	Maintenance of Structures	1,174	0	3,604	0	0
570	Maintenance of Station Equipment	82,991	76,411	212,026	231,905	308,990
571	Maintenance of Overhead Lines	61,095	-7,582	131,682	-23,021	-30,323
572	Maintenance of Underground Lines	0	0	0	0	0
573	Maintenance of Miscellaneous Transmission Plant	0	0	0	0	0
575	Market Administration, Monitoring & Compliance Services	0	0	0	0	0
Transmission Total		3,311,009	3,055,837	9,575,169	9,171,351	12,226,073
Distribution						
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget	
580	Operation Supervision and Engineering	406,654	361,824	1,253,061	1,025,844	1,342,390
581	Load Dispatching	58,422	81,249	187,084	236,001	307,177
582	Station Expenses	250,502	172,741	612,574	492,140	675,233
583	Overhead Line Expenses	36,090	152,663	374,295	446,651	594,649
584	Underground Line Expenses	0	0	1,500	0	0
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	192,394	156,149	522,520	464,007	635,231
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	3,024,868	3,000,336	8,315,852	8,237,392	11,113,201
589	Rents	130,962	124,414	412,864	373,241	497,655
590	Maintenance Supervision and Engineering	159,092	132,299	512,596	409,601	526,105
591	Maintenance of Structures	-1.04	618.72	25.3	1,856	2,475
592	Maintenance of Station Equipment	1,469,544	1,292,732	4,097,676	4,167,110	5,423,142
593	Maintenance of Overhead Lines	22,893,656	14,308,194	48,998,166	42,798,042	56,321,346
594	Maintenance of Underground Lines	610,846	679,657	1,841,694	2,073,208	2,699,020
595	Maintenance Line Transformer	49,930	2,642	141,209	7,927	10,569
596	Maintenance of Street Lighting and Signal Systems	188,296	104,428	816,365	323,242	433,434
597	Maintenance of Meters	493,357	499,599	1,490,552	1,489,522	1,950,075
598	Maintenance of Miscellaneous Distribution Plant	-2,111	208,263	507,256	850,037	1,115,525
Distribution Total		29,962,501	21,277,809	70,085,289	63,395,821	83,647,227
Met-Ed Total		33,273,510	24,333,646	79,660,458	72,567,172	95,873,300

⁶ Budgets are subject to change.

Penelec						
T&D O&M – 3Q / YTD September 2023 (\$)						
Transmission						
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget	
560	Operation Supervision and Engineering	0	0	0	0	0
561	Load Dispatching	33,791	16,346	-4,424	46,600	60,507
562	Station Expenses	2,867	-6,839	28,073	-20,518	-27,357
563	Overhead Lines Expenses	-3,395	-6,829	47,475	-20,210	-26,983
564	Transmission-Underground Line Expenses	97.5	0	234	0	0
565	Transmission of Electricity by Others	11,688,279	12,351,003	35,448,029	37,053,008	49,404,011
566	Miscellaneous Transmission Expenses	0	0	-995.83	0	0
567	Rents	0	0	0	0	0
568	Maintenance Supervision and Engineering	1,934	-0.16	6,033	-0.35	-0.53
569	Maintenance of Structures	0	0	0	0	0
570	Maintenance of Station Equipment	55,363	0	265,778	0	0
571	Maintenance of Overhead Lines	80,601	-8,333	242,377	-25,300	-33,325
572	Maintenance of Underground Lines	0	0	0	0	0
573	Maintenance of Miscellaneous Transmission Plant	0	0	0	0	0
575	Market Administration, Monitoring & Compliance Services	0	0	0	0	0
Transmission Total		11,859,538	12,345,348	36,032,579	37,033,580	49,376,852
Distribution						
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget	
580	Operation Supervision and Engineering	333,961	452,678	1,166,057	1,319,373	1,726,824
581	Load Dispatching	128,197	89,321	357,828	253,840	331,654
582	Station Expenses	339,936	0	828,420	0	0
583	Overhead Line Expenses	58,015	91,686	188,683	296,332	377,810
584	Underground Line Expenses	402,617	363,221	1,037,450	961,748	1,215,000
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	286,105	245,839	830,372	726,868	961,647
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	3,633,241	3,647,361	10,731,569	10,049,768	13,441,323
589	Rents	382,640	711,390	2,120,485	1,896,976	2,485,642
590	Maintenance Supervision and Engineering	200,144	145,422	623,209	450,237	578,298
591	Maintenance of Structures	0	0	0	0	0
592	Maintenance of Station Equipment	1,618,105	1,837,550	5,597,558	5,447,693	7,330,556
593	Maintenance of Overhead Lines	15,742,661	14,603,573	46,783,791	39,948,975	53,237,238
594	Maintenance of Underground Lines	278,576	330,876	977,501	751,618	1,126,375
595	Maintenance Line Transformer	43,624	0	123,375	0	0
596	Maintenance of Street Lighting and Signal Systems	371,718	318,004	1,315,204	976,613	1,435,037
597	Maintenance of Meters	724,024	878,659	2,204,909	2,666,770	3,563,459
598	Maintenance of Miscellaneous Distribution Plant	143,338	-36,600	348,626	-106,949	-142,150
Distribution Total		24,686,902	23,678,980	75,235,037	65,639,862	87,668,713
Penelec Total		36,546,440	36,024,328	111,267,616	102,673,442	137,045,565

Penn Power						
T&D O&M – 3Q / YTD September 2023 (\$)						
Transmission						
Category		3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
560	Operation Supervision and Engineering	345.5	734.23	1006.51	2,072	2,863
561	Load Dispatching	3,486	3,272	8,714	9,231	12,758
562	Station Expenses	377.81	0	1,592	0	0
563	Overhead Lines Expenses	0	0	760.32	0	0
565	Transmission of Electricity by Others	1,160,070	1,251,579	3,429,344	3,754,736	5,006,315
566	Miscellaneous Transmission Expenses	0	0	0	0	0
567	Rents	0	0	0	0	0
568	Maintenance Supervision and Engineering	7,816	6,138	18,503	17,324	23,587
569	Maintenance of Structures	13,110	6826.77	33,309	8,889	14,078
570	Maintenance of Station Equipment	13,247	761.85	29,677	2,286	3,047
571	Maintenance of Overhead Lines	1,201	-4,857	23,043	-13,932	-17,958
572	Maintenance of Underground Lines	0	0	0	0	0
573	Maintenance of Miscellaneous Transmission Plant	-463.34	0	233.44	0	0
575	Market Administration, Monitoring & Compliance Services	0	0	0	0	0
Transmission Total		1,199,190	1,264,455	3,546,182	3,780,606	5,044,690
Distribution						
Category		3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
580	Operation Supervision and Engineering	87,267	206,041	268,748	603,800	799,393
581	Load Dispatching	0	0	0	0	0
582	Station Expenses	67,715	15,000	156,456	45,000	60,000
583	Overhead Line Expenses	16,434	34,596	62,449	100,567	133,838
584	Underground Line Expenses	194,055	239,377	-894,469	718,130	957,506
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	17,920	14,679	52,700	42,760	57,074
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	372,616	371,796	947,096	1,057,306	1,393,312
589	Rents	18,089	9,248	36,816	27,751	37,425
590	Maintenance Supervision and Engineering	42,972	37,709	149,302	116,734	149,963
591	Maintenance of Structures	0	0	0	0	0
592	Maintenance of Station Equipment	365,511	228,192	862,740	687,480	919,918
593	Maintenance of Overhead Lines	5,406,466	4,377,787	27,880,470	12,760,324	17,089,280
594	Maintenance of Underground Lines	104,142	77,480	280,401	218,796	287,650
595	Maintenance Line Transformer	5,337	0	17,521	0	0
596	Maintenance of Street Lighting and Signal Systems	15,219	12,333	77,225	37,008	49,995
597	Maintenance of Meters	181,043	140,048	517,791	416,452	563,288
598	Maintenance of Miscellaneous Distribution Plant	162,012	78,001	443,909	55,010	80,468
Distribution Total		7,056,798	5,842,287	30,859,155	16,887,118	22,579,110
Penn Power Total		8,255,988	7,106,742	34,405,337	20,667,724	27,623,800

West Penn						
T&D O&M – 3Q / YTD September 2023 (\$)						
Transmission						
Category		3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
560	Operation Supervision and Engineering	72,455	45,872	148,844	118,148	158,192
561	Load Dispatching	395,577	300,720	856,900	854,028	1,116,432
562	Station Expenses	135,806	41,662	549,979	98,283	136,412
563	Overhead Lines Expenses	97,699	0	627,150	81,000	81,000
565	Transmission of Electricity by Others	16,797,374	18,540,459	47,934,574	55,621,378	74,161,837
566	Miscellaneous Transmission Expenses	527,666	107,920	1,216,708	310,806	409,958
567	Rents	154,883	239,455	464,537	718,365	957,820
568	Maintenance Supervision and Engineering	553,299	216,148	1,201,576	606,118	790,538
569	Maintenance of Structures	14,335	968.6	29,089	1,970	12,584
570	Maintenance of Station Equipment	913,658	1,387,073	2,811,683	3,281,605	4,205,302
571	Maintenance of Overhead Lines	3,561,677	6,299,268	14,448,153	15,583,077	20,023,908
572	Maintenance of Underground Lines	18.24	0	447.24	0	0
573	Maintenance of Miscellaneous Transmission Plant	195,106	92,622	760,614	269,844	373,340
575	Market Administration, Monitoring & Compliance Services	682.6	0	2,304	0	0
Transmission Total		23,420,236	27,272,168	71,052,558	77,544,622	102,427,323
Distribution						
Category		3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
580	Operation Supervision and Engineering	492,036	415,487	1,665,263	1,170,368	1,519,145
581	Load Dispatching	57,403	163,348	185,389	508,231	660,155
582	Station Expenses	348,551	260,811	1,302,586	761,661	1,011,129
583	Overhead Line Expenses	16,142	438,931	149,000	1,303,372	1,736,783
584	Underground Line Expenses	606,491	460,165	1,596,959	1,380,496	1,840,661
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	342,843	273,222	920,633	748,347	982,204
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	4,138,198	4,330,705	9,889,238	11,937,516	15,811,039
589	Rents	0	0	0	0	0
590	Maintenance Supervision and Engineering	121,229	293,963	706,460	858,947	1,114,949
591	Maintenance of Structures	0	0	0	0	0
592	Maintenance of Station Equipment	1,648,488	2,472,505	5,953,130	6,992,185	9,093,098
593	Maintenance of Overhead Lines	18,371,347	12,829,474	50,447,367	37,588,810	50,033,494
594	Maintenance of Underground Lines	205,999	265,253	841,911	742,782	968,323
595	Maintenance Line Transformer	32,149	0	120,088	0	0
596	Maintenance of Street Lighting and Signal Systems	67,541	142,494	568,532	430,438	576,874
597	Maintenance of Meters	501,361	603,230	1,320,746	1,735,773	2,267,471
598	Maintenance of Miscellaneous Distribution Plant	47,843	-88,747	108,832	-269,351	-319,022
Distribution Total		26,997,621	22,860,841	75,776,134	65,889,575	87,296,303
West Penn Power Total		50,417,857	50,133,009	146,828,692	143,434,197	189,723,626

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).

Met-Ed					
T&D Capital – 3Q / YTD September 2023 (\$)					
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	4,360,626	8,270,182	8,583,700	24,017,914	29,352,522
Condition	1,536,959	2,320,345	4,896,135	6,574,061	9,193,140
Facilities	1,338,051	4,347,435	3,003,800	6,894,615	9,900,249
Forced	19,163,578	14,185,291	41,829,934	40,553,011	54,319,046
Meter Related	238,292	402,951	868,481	1,288,262	1,712,865
New Business	4,749,507	5,205,115	15,174,560	14,693,432	19,775,682
Other	-648,333	-5,807,917	618,751	-15,694,852	-20,011,088
Reliability	7,982,580	7,993,330	28,036,642	29,500,815	35,896,141
Street Light	282,525	322,803	1,084,373	923,423	1,242,634
Tools & Equipment	794,043	727,330	2,618,964	2,512,595	3,559,487
Vegetation Management	-1	0	1,115	-0.11	-0.11
Met-Ed Total	39,797,827	37,966,865	106,716,455	111,263,276	144,940,678

Penelec					
T&D Capital – 3Q / YTD September 2023 (\$)					
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	941,956	0	-1,228,876	223	223
Condition	2,627,355	2,163,765	6,935,037	7,036,368	10,090,039
Facilities	1,026,898	1,564,736	1,545,110	2,640,331	3,792,967
Forced	17,538,033	16,302,763	45,973,138	44,729,147	59,638,275
Meter Related	294,827	200,818	956,104	539,993	718,851
New Business	3,208,509	3,804,282	11,367,837	11,703,377	15,595,654
Other	1,021,403	-1,578,708	4,651,657	975,501	174,706
Reliability	15,504,714	15,071,862	48,842,798	35,454,246	48,946,613
Street Light	736,436	1,046,108	2,298,080	3,075,233	4,055,162
Tools & Equipment	1,001,237	652,826	3,346,034	2,245,418	4,015,225
Vegetation Management	0	0	0	0	0
Penelec Total	43,901,368	39,228,452	124,686,919	108,399,837	147,027,715

⁷ Budgets are subject to change.

Penn Power					
T&D Capital – 3Q / YTD September 2023 (\$)					
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	218,607	38,997	-60,616	116,862	156,911
Condition	254,162	299,080	950,106	786,820	1,175,619
Facilities	275,998	641,498	441,604	850,404	949,477
Forced	3,005,009	3,323,959	9,744,104	10,424,696	14,261,143
Meter Related	158,884	173,629	370,225	513,204	688,364
New Business	2,339,720	2,003,867	4,948,145	5,226,227	7,103,818
Other	-713,539	462,924	499,186	880,861	1,863,323
Reliability	4,223,826	3,431,926	13,309,876	10,380,383	11,830,203
Street Light	76,624	163,899	361,104	491,746	659,144
Tools & Equipment	262,358	224,781	846,438	746,609	1,087,606
Vegetation Management	0	5,052	0	15,155	20,206
Penn Power Total	10,101,649	10,769,612	31,410,172	30,432,967	39,795,814

West Penn					
T&D Capital – 3Q / YTD September 2023 (\$)					
Category	3Q Actuals	3Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	3,733,585	3,759,156	7,868,765	3,783,019	11,276,358
Condition	18,780,710	7,138,636	40,920,896	28,454,359	38,424,156
Facilities	2,169,800	7,808,781	4,252,134	14,474,339	19,799,540
Forced	16,664,675	13,739,279	47,449,156	43,931,435	57,720,238
Meter Related	236,628	460,270	770,373	1,365,664	1,811,368
New Business	4,836,178	2,963,224	18,048,451	20,974,340	26,787,097
Other	-496,921	-1,012,502	1,253,328	-6,217,589	-7,617,981
Reliability	22,542,346	16,875,316	61,288,432	47,920,485	68,106,546
Street Light	753,593	532,807	2,264,022	1,547,314	2,030,078
Tools & Equipment	1,064,564	898,567	3,347,813	2,934,926	4,115,807
Vegetation Management	0	0	-2,008	0	0
West Penn Total	70,285,158	53,163,534	187,461,362	159,168,292	222,453,207

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

*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 2023															
Department	Position	Staffing Level				Staff Added in Quarter			Staff Movement Quarter			Staff lost in Quarter			Plan to Hire in 2024 ¹³
		1Q	2Q	3Q ⁹	4Q	New Hire – Experienced	New Hire – PSI Student	New Hire Apprentice	Other ¹⁰	Movement within Position ¹¹	Retirement	Voluntary Separation	Other ¹²		
Distribution	Line Leader	45	44	46					3			1			
	Line Troubleshooter	33	34	33									1		
	Lineman	146	158	164		1		1	33					3	
Substation	Substation Leader	14	14	14											
	Substation Employee	61	65	71						24	1			1	
Transmission	Line Leader	2	2	2											
	Lineman	10	10	10											
	Total	311	327	340		1	0	1	3	57	1	1	5		

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 As of June 19, 2023, FirstEnergy Corp. (“FirstEnergy”) transitioned to Empower (An enterprise human resource technology) to provide staffing resources. Beginning with the 3rd quarter, staffing numbers include active employees that are payroll eligible with an assignment status of active, leave of absence, or military leave; prior reports did not include employees on military leave. Additionally, all apprentice level positions are now being included in the 3Q table, which may account for differences between the 2Q and 3Q reported numbers in Distribution, Lineman and Substation, Substation Employee positions.

¹⁰ Includes transfers, promotions, and assignment changes for extended disability or long-term disability.

¹¹ Includes transfers, promotions, and progression within a position, which means that the position name within this table did not change.

¹² Includes transfers, promotions, involuntary separations, and assignment changes for extended disability and long-term disability, which may account for differences between the 2Q and 3Q reported numbers.

¹³ Hiring plan to be provided annually in the 4Q report.

Penelec 2023

Department	Position	Staffing Level				Staff Added in Quarter				Staff Lost in Quarter			Plan to Hire in 2024 ¹⁸	
		1Q	2Q	3Q ¹⁴	4Q	New Hire – Experienced	New Hire – PSI Student	New Hire Apprentice	Other ¹⁵	Movement within Position ¹⁶	Retirement	Voluntary Separation		Other ¹⁷
Distribution	Line Leader	58	57	57					2		2			
	Line Troubleshooter	78	78	77					3		1		3	
	Lineman	130	147	148			2		4	2			5	
Substation	Substation Leader	27	28	29					1					
	Substation Employee	47	50	53			2		2	1			1	
Transmission	Line Leader	5	5	6					1					
	Lineman	18	18	17									1	
Total		363	383	398		0	4	0	13	3	3	0	10	

¹⁴ As of June 19, 2023, FirstEnergy transitioned to Empower (An enterprise human resource technology) to provide staffing resources. Beginning with the 3rd quarter, staffing numbers include active employees that are payroll eligible with an assignment status of active, leave of absence, or military leave.; prior reports did not include employees on military leave. Additionally, all apprentice level positions are now being included in the 3Q table, which may account for differences between the 2Q and 3Q reported numbers in Distribution, Lineman and Substation, Substation Employee positions.

¹⁵ Includes transfers, promotions, and assignment changes for extended disability or long-term disability.

¹⁶ Includes transfers, promotions, and progression within a position, which means that the position name within this table did not change.

¹⁷ Includes transfers, promotions, involuntary separations, and assignment changes for extended disability and long-term disability, which may account for differences between the 2Q and 3Q reported numbers.

¹⁸ Hiring plan to be provided annually in the 4Q report.

Penn Power 2023

Department	Position	Staffing Level				Staff Added in Quarter				Staff Movement Quarter			Staff Lost in Quarter			Plan to Hire in 2024 ²³
		1Q	2Q	3Q ¹⁹	4Q	New Hire – Experienced	New Hire – PSI Student	New Hire Apprentice	Other ²⁰	Movement within Position ²¹	Retirement	Voluntary Separation	Other ²²			
Distribution	Line Leader	23	23	24					1							
	Line Troubleshooter	12	13	13												
	Lineman	43	46	49			4						1			
Substation	Substation Leader	4	4	4												
	Substation Employee	17	16	18			2									
Transmission	Line Leader	1	1	1												
	Lineman	5	6	6												
Total		105	109	115		0	6	0	1	0	0	0	1	0	0	1

¹⁹ As of June 19, 2023, FirstEnergy transitioned to Empower (An enterprise human resource technology) to provide staffing resources. Beginning with the 3rd quarter, staffing numbers include active employees that are payroll eligible with an assignment status of active, leave of absence, or military leave; prior reports did not include employees on military leave. Additionally, all apprentice level positions are now being included in the 3Q table, which may account for differences between the 2Q and 3Q reported numbers in Distribution, Lineman and Substation, Substation Employee positions.

²⁰ Includes transfers, promotions, and assignment changes for extended disability or long-term disability.

²¹ Includes transfers, promotions, and progression within a position, which means that the position name within this table did not change.

²² Includes transfers, promotions, involuntary separations, and assignment changes for extended disability and long-term disability, which may account for differences between the 2Q and 3Q reported numbers.

²³ Hiring plan to be provided annually in the 4Q report.

West Penn 2023

Department	Position	Staffing Level				Staff Added in Quarter				Staff Lost in Quarter			Plan to Hire in 2024 ²⁸	
		1Q	2Q	3Q ²⁴	4Q	New Hire – Experienced	New Hire – PSI Student	New Hire Apprentice	Other ²⁵	Movement within Position ²⁶	Retirement	Voluntary Separation		Other ²⁷
Distribution	Line Leader	64	66	70					6				2	
	Line Troubleshooter	56	55	55					2				2	
	Lineman	138	144	165					1	22		1	8	
Substation	Substation Leader	22	20 ²⁹	21					1					
	Substation Employee	70	76	79		3			2	5			2	
Transmission	Line Leader	1	1	1										
	Lineman	9	9	10					2	2	1			
Total		360	372	401		3	0	0	14	29	1	1	14	

²⁴ As of June 19, 2023, FirstEnergy transitioned to Empower (An enterprise human resource technology) to provide staffing resources. Beginning with the 3rd quarter, staffing numbers include active employees that are payroll eligible with an assignment status of active, leave of absence, or military leave; prior reports did not include employees on military leave. Additionally, all apprentice level positions are now being included in the 3Q table, which may account for differences between the 2Q and 3Q reported numbers in Distribution, Lineman and Substation, Substation Employee positions.

²⁵ Includes transfers, promotions, and assignment changes for extended disability or long-term disability.

²⁶ Includes transfers, promotions, and progression within a position, which means that the position name within this table did not change.

²⁷ Includes transfers, promotions, involuntary separations, and assignment changes for extended disability and long-term disability, which may account for differences between the 2Q and 3Q reported numbers.

²⁸ Hiring plan to be provided annually in the 4Q report.

²⁹ Staffing for 2Q adjusted to 20 to reflect an retired employee not included in 2Q staffing numbers.

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

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	Barto Sub	00706-1	Boyetown	3,002	225	0	3,338,240	9,402	5.76	1,112.01	3.13	355.06	0.05
2	No Bangor	00826-3	Easton	3,321	128	0	2,907,171	12,580	5.01	875.39	3.79	231.09	0.58
3	Shawnee Sub	00899-3	Stroudsburg	1,682	75	2	2,359,307	8,537	4.07	1,402.68	5.08	276.36	4.07
4	Mountain Sub	00744-4	Dillsburg	1,868	64	0	2,169,518	4,544	3.74	1,161.41	2.43	477.45	0.39
5	McKnights Gap Sub	00774-1	Reading	1,593	41	0	2,094,314	4,110	3.61	1314.7	2.58	509.57	0.00
6	Flying Hills Sub	00776-1	Reading	1,490	35	1	1,848,870	3,988	3.19	1,240.85	2.68	463.61	0.27
7	Mohnton Sub Sta	00144-1	Reading	975	22	2	1,833,481	3,487	3.16	1880.49	3.58	525.80	0.00
8	Ottsville Sub	00660-3	Easton	875	93	1	1,689,287	4,491	2.91	1930.61	5.13	376.15	1.99
9	Richmond Subst	00104-3	Easton	514	23	1	1,669,895	982	2.88	3248.82	1.91	1700.50	0.00
10	No Bangor	00813-3	Easton	1,359	58	0	1,573,006	4,432	2.71	1157.47	3.26	354.92	0.00
11	Mountain Sub	00743-4	Dillsburg	1,032	35	0	1,525,938	3,357	2.63	1478.62	3.25	454.55	0.00
12	Lyons Sub	00729-1	Reading	1,344	132	0	1,459,397	4,320	2.52	1085.86	3.21	337.82	0.20
13	Painted Sky	00650-1	Reading	1,782	38	2	1,435,073	6,755	2.47	805.32	3.79	212.45	0.00
14	Birdsboro	00757-1	Reading	1,994	79	2	1,426,828	4,313	2.46	715.56	2.16	330.82	1.89
15	Lynnville Sub	00737-1	Hamburg	1,084	96	0	1,412,263	3,635	2.44	1,302.83	3.35	388.52	2.73
16	Walker Sub	00865-3	Stroudsburg	2,920	74	0	1,352,187	6,289	2.33	463.08	2.15	215.01	0.01
17	S Hamb Sub	00740-1	Hamburg	1,279	71	0	1,310,853	4,345	2.26	1024.9	3.40	301.69	0.00
18	Ferdale Subs	00078-3	Easton	422	40	4	1,200,097	3,451	2.07	2,843.83	8.18	347.75	0.90
19	Fox Hill Subst	00852-3	Stroudsburg	791	36	0	1,180,245	2,649	2.03	1,492.09	3.35	445.54	0.00
20	Windsor	00797-4	York	1,545	84	1	1,166,212	5,991	2.01	754.83	3.88	194.66	0.58
21	Angelica Sub	00129-1	Reading	706	29	2	1,162,242	2,272	2.00	1,646.24	3.22	511.55	0.00
22	Glendon	00818-3	Easton	1,638	19	0	1,139,682	3,000	1.97	695.78	1.83	379.89	0.14
23	Huffs Church	00600-1	Boyetown	1,506	150	0	1,130,386	3,795	1.95	750.59	2.52	297.86	0.69
24	Carsonia Sub	00766-1	Reading	816	42	0	1,121,085	2,607	1.93	1373.88	3.19	430.03	0.41
25	Flying Hills Sub	00777-1	Reading	1,793	93	0	1,111,945	2,791	1.92	620.16	1.56	398.40	0.64
26	Carsonia Sub	00764-1	Reading	2,901	70	1	1,084,375	5,793	1.87	373.79	2.00	187.19	2.15
27	Lorane	00560-1	Reading	1,154	30	1	955,010	2,326	1.65	827.56	2.02	410.58	0.08

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
28	Gilbert Sub - Met-Ed	00029-3	Easton	65	15	1	944,788	568	1.63	14535.2	8.74	1663.36	0.00
29	Raubsville St	00095-3	Easton	527	46	0	942,566	2,017	1.63	1788.55	3.83	467.31	0.00
30	Bernville Sub	00787-1	Hamburg	1,870	68	0	886,950	3,289	1.53	474.3	1.76	269.67	0.39
31	W Boyertown Sub	00715-1	Boyertown	1,701	63	0	849,799	3,992	1.47	499.59	2.35	212.88	0.46
32	Crossroads Sub	00728-4	York	1160	39	0	831,257	1,914	1.43	716.6	1.65	434.30	0.10
33	Birdsboro	00756-1	Reading	1,531	95	0	817,890	4,160	1.41	534.22	2.72	196.61	5.43
34	Bath Sub	00873-3	Easton	2,141	54	0	802,918	5,506	1.38	375.02	2.57	145.83	1.22
35	South Reading	00508-1	Reading	1,214	41	1	795,783	4,540	1.37	655.5	3.74	175.28	0.00
36	Wind Gap Sub	00600-3	Easton	1,380	26	1	786,285	2,547	1.36	569.77	1.85	308.71	0.00
37	W Boyertown Sub	00484-1	Boyertown	912	40	0	758,783	2,249	1.31	832	2.47	337.39	0.00
38	Shawnee Sub	00895-3	Stroudsburg	3,826	79	0	751,859	6,901	1.30	196.51	1.80	108.95	0.51
39	Barto Sub	00705-1	Boyertown	657	86	1	745,561	1,547	1.29	1134.8	2.35	481.94	1.23

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Springboro	00237-52	Meadville	2,794	92	0	3,619,707	7,018	6.23	1295.529	2.512	515.7747	1.305
2	Warren South	00220-41	Warren	2,822	93	0	3,438,841	12,235	5.92	1218.583	4.336	281.0659	4.305
3	Salix	00070-11	Johnstown	2,204	35	0	2,704,164	6,226	4.65	1226.935	2.825	434.3341	0.759
4	Union City	00206-43	Erie	2,478	102	0	2,039,250	4,974	3.51	822.9419	2.007	409.9819	0.018
5	Tiffany	00435-65	Montrose	1,274	31	1	1,929,966	5,991	3.32	1514.887	4.703	322.1442	0.000
6	Union City	00208-43	Erie	1,561	66	0	1,861,161	5,354	3.20	1192.288	3.430	347.6207	2.356
7	Union City	00239-43	Erie	811	49	4	1,715,228	4,372	2.95	2114.954	5.391	392.3211	1.424
8	Morgan Street	00476-52	Meadville	784	19	0	1,676,432	1,508	2.88	2138.306	1.923	1111.692	0.085
9	Falls	00297-65	Montrose	819	36	0	1,533,491	2,859	2.64	1872.394	3.491	536.3732	4.618
10	Revloc	00069-72	Altoona	559	14	1	1,510,335	1,759	2.60	2701.852	3.147	858.6327	0.004
11	Seward	00075-11	Johnstown	915	52	1	1,502,352	6,588	2.58	1641.915	7.200	228.0437	1.370
12	Mercer Pike	00473-52	Meadville	553	18	0	1,488,974	1,081	2.56	2692.539	1.955	1377.404	0.074
13	Tunkhannock	00533-65	Montrose	1,252	62	1	1,419,334	4,830	2.44	1133.653	3.858	293.858	3.999
14	N Meshoppen Tran	00534-65	Montrose	852	72	0	1,404,979	3,839	2.42	1649.036	4.506	365.9753	0.465
15	Natl Forge Sw Sta	00577-41	Warren	1,196	63	0	1,366,499	5,457	2.35	1142.558	4.563	250.4121	1.109
16	North Warren	00207-41	Warren	1,375	64	1	1,364,660	3,550	2.35	992.48	2.582	384.4113	0.067
17	Saxton	00625-73	Altoona	1,280	26	0	1,361,093	4,039	2.34	1063.354	3.155	336.9876	0.000
18	Blairsville East	00080-13	Indiana	1,024	31	0	1,246,705	4,682	2.14	1217.485	4.572	266.2762	1.365
19	Grover	00527-63	Towanda	1,067	93	0	1,213,640	2,767	2.09	1137.432	2.593	438.6122	1.965
20	Blairsville East	00082-13	Indiana	1,568	47	0	1,198,120	3,184	2.06	764.1071	2.031	376.294	0.370
21	Russell Hill	00282-65	Montrose	1,013	50	0	1,176,708	5,250	2.02	1161.607	5.183	224.1349	0.000
22	Turner Street	00488-52	Meadville	829	26	0	1,131,975	1,849	1.95	1365.47	2.230	612.2093	0.000
23	Lewis Run	00409-42	Bradford	727	27	0	1,128,728	3,737	1.94	1552.583	5.140	302.0412	0.218
24	Marienville	00328-51	Oil City	1,219	50	0	1,118,354	3,039	1.92	917.4356	2.493	368.0007	0.000
25	Youngsville	00257-41	Warren	1,200	26	1	1,067,789	5,409	1.84	889.8242	4.508	197.4097	0.000
26	Salix	00071-11	Johnstown	1,560	45	1	1,033,445	3,223	1.78	662.4647	2.066	320.6469	0.000
27	Montrose	00457-65	Montrose	662	36	2	1,029,284	3,854	1.77	1554.81	5.822	267.069	2.555
28	Logan	00700-81	Lewistown	1,003	37	0	941,873	2,651	1.62	939.0558	2.643	355.2897	0.026

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Madera	00166-22	Philipsburg	2,146	68	0	929,289	5,719	1.60	433.0331	2.665	162.4915	0.136
30	Tionesta	00344-51	Oil City	517	19	2	896,716	2,900	1.54	1734.46	5.609	309.2124	4.014
31	East Sayre	00518-61	Towanda	958	28	1	886,211	2,553	1.52	925.0637	2.665	347.1253	0.064
32	Utica Junction	00318-51	Oil City	838	61	0	868,392	1,443	1.49	1036.267	1.722	601.7963	3.019
33	Ashville	00061-71	Altoona	490	17	0	829,191	1,434	1.43	1692.227	2.927	578.2364	0.000
34	Madera	00165-22	Philipsburg	1,192	52	1	799,566	2,080	1.38	670.7768	1.745	384.4067	0.468
35	North Warren	00596-41	Warren	1,125	38	1	770,236	1,905	1.33	684.6542	1.693	404.3234	0.994
36	Dubois	00131-23	Dubois	580	48	0	766,523	3,848	1.32	1321.591	6.634	199.2004	0.022
37	N Meshoppen Tran	00531-65	Montrose	418	54	2	759,317	5,811	1.31	1816.548	13.902	130.6689	0.210
38	Industrial Park	00796-65	Montrose	364	20	0	741,206	1,173	1.28	2036.28	3.223	631.8892	2.943
39	Edinboro	00420-34	Erie	1,610	29	1	732,795	6,393	1.26	455.1522	3.971	114.6246	1.202
40	Grandview	00353-51	Oil City	864	29	0	720,330	2,114	1.24	833.7153	2.447	340.7427	0.058
41	Emlenton	00322-51	Oil City	457	28	0	693,351	1,420	1.19	1517.179	3.107	488.2754	1.434
42	Meshoppen	00283-65	Montrose	389	25	0	689,862	1,655	1.19	1773.424	4.254	416.835	6.662
43	Platea	00432-34	Erie	621	61	0	687,787	1,970	1.18	1107.548	3.172	349.1305	1.971
44	Avery	00791-65	Montrose	377	15	2	673,102	1,242	1.16	1785.416	3.294	541.9501	0.149
45	Grandview	00354-51	Oil City	523	29	2	664,182	1,892	1.14	1269.946	3.618	351.0476	0.461
46	Bradford South	00106-42	Bradford	1,187	25	1	649,421	2,984	1.12	547.1112	2.514	217.6344	1.008
47	Meyersdale North	00022-12	Somerset	1,546	45	0	647,138	5,338	1.11	418.5886	3.453	121.2323	0.848
48	Scalp Level	00932-11	Johnstown	1,088	36	2	643,101	5,489	1.11	591.0855	5.045	117.1618	0.984
49	Brookville	00125-23	Dubois	617	24	0	634,445	2,250	1.09	1028.274	3.647	281.9756	2.948
50	Madera	00147-22	Philipsburg	1,067	26	1	626,727	3,884	1.08	587.373	3.640	161.3612	0.442
51	Utica Junction	00511-51	Oil City	398	38	0	626,234	2,551	1.08	1573.452	6.410	245.4857	1.870
52	Crown	00519-51	Oil City	645	37	0	604,443	2,571	1.04	937.1209	3.986	235.1004	0.000
53	Shippensburg I	00630-83	Shippensburg	1,779	39	0	561,211	4,792	0.97	315.4643	2.694	117.1141	0.001
54	Erie West	00267-34	Erie	441	19	0	558,109	2,411	0.96	1265.553	5.467	231.4844	1.973
55	East Towanda	00525-62	Towanda	669	36	0	540,941	1,402	0.93	808.5815	2.096	385.8352	0.003
56	Ppl West	PL097-62	Towanda	103	13	7	529,162	1,107	0.91	5137.495	10.748	478.0145	0.000

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
57	Scalp Level	00031-11	Johnstown	1,203	30	0	523,021	2,596	0.90	434.7639	2.158	201.4719	1.233
58	Grandview	00524-51	Oil City	379	22	0	519,494	945	0.89	1370.697	2.493	549.7291	0.000
59	Marienville	00327-51	Oil City	748	39	0	501,662	1,251	0.86	670.6711	1.672	401.0088	0.968
60	Timblin	00103-23	Dubois	699	31	0	499,559	1,998	0.86	714.6767	2.858	250.0295	1.539
61	Snakespring	00634-73	Altoona	1,151	9	0	498,175	4,449	0.86	432.8193	3.865	111.9746	0.024
62	Division Street	00561-31	Erie	344	3	0	487,156	688	0.84	1416.151	2.000	708.0756	0.000

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	Hartstown	W-126	Clark	2,224	55	2	1,204,264	7,489	7.12	541,486	3.367	160.804	0.288
2	Sharpville	W-219	Clark	1,877	12	0	897,139	1,626	5.30	477,964	0.866	551.746	0.000
3	Sharpville	W-218	Clark	1,354	31	1	876,013	3,116	5.18	646,982	2.301	281.134	0.000
4	Camp Reynolds	W-134	Clark	1,763	63	0	669,752	2,641	3.96	379,893	1.498	253.598	0.000
5	Conneaut	W-173	Clark	1,927	30	1	665,796	4,324	3.93	345,509	2.244	153.977	0.000
6	Mercer	W-167	Clark	1,006	25	0	467,274	1,106	2.76	464,487	1.099	422.490	0.000
7	Mercer	W-128	Clark	1,210	53	0	454,026	1,121	2.68	375,228	0.926	405.019	0.077
8	Ingomar	D620	Zelienople	1,273	7	0	428,615	1,756	2.53	336,697	1.379	244.086	0.000
9	Koppel	D-531	New Castle	998	31	1	425,528	2,996	2.51	426,381	3.002	142.032	0.002
10	Richard	W744	Zelienople	1,085	18	0	343,248	2,355	2.03	316,358	2.171	145.753	0.000

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
1	Donegal	Champion	Pleasant Valley	1,184	40	1	3,946,002	3,072	5.429	3332.772	0	1284.51
2	Piney Fork	Gillhall	Charleroi	2,286	21	0	2,667,609	5,823	3.670	1166.933	0	458.116
3	Rutan	Bristoria	Jefferson	1,108	69	0	2,631,887	4,493	3.621	2375.349	0	585.775
4	Bethlen	Laurel Valley	Latrobe	1,419	69	0	2,410,192	3,090	3.316	1698.514	0	779.997
5	Fort Palmer	Oakgrove	Latrobe	679	33	0	2,219,462	1,314	3.054	3268.722	0	1689.09
6	Bethlen	Laughlinton	Latrobe	1,096	77	0	2,174,100	2,867	2.991	1983.668	0.01	758.319
7	Bethelboro	Coolspring	Uniontown	1,451	40	0	1,836,366	2,377	2.526	1265.586	0	772.556
8	Karns City	Kaylor	Butler	1,148	33	1	1,809,315	3,133	2.489	1576.058	0.005	577.5024
9	Franklin Wpp	S Waynesburg	Jefferson	2,061	48	3	1,727,949	10,039	2.377	838.403	0.005	172.1236
10	Normalville	Indianhead	Pleasant Valley	562	27	0	1,711,009	1,526	2.354	3044.500	0.003	1121.238
11	Normalville	Mill Run	Pleasant Valley	581	25	0	1,693,281	908	2.330	2914.425	0.01	1864.847
12	Springfield Pike	Rock Ridge	Pleasant Valley	727	19	0	1,689,991	2,536	2.325	2324.609	0.002	666.4002
13	North Union	Phillips	Uniontown	1,474	35	1	1,579,527	2,411	2.173	1071.592	0.003	655.1336
14	Amity	Amity	Washington Pa	532	31	0	1,534,101	2,479	2.111	2883.648	0.006	618.8386
15	Frazier	Star Junction	Pleasant Valley	1,741	27	1	1,486,101	3,108	2.045	853.590	0.006	478.1535
16	Waterville	Waterville	State College	361	21	1	1,398,685	2,839	1.924	3874.474	0.004	492.6682
17	Blue Ridge Summit	Sabillasville	Waynesboro	970	50	1	1,375,234	4,452	1.892	1417.767	0.003	308.9025
18	Laurelville	Laurelville	Pleasant Valley	661	42	0	1,344,717	2,131	1.850	2034.368	0.009	631.0263
19	Ethel Springs	Railroad	Latrobe	727	16	1	1,337,578	1,681	1.840	1839.860	0.003	795.7037
20	South Union	Brownfield	Uniontown	1,820	27	0	1,320,220	3,157	1.816	725.396	0.003	418.1882
21	Piney Fork	Cochran Mill	Charleroi	1,249	17	1	1,264,385	2,652	1.740	1012.318	0.007	476.7666
22	Connellsville	Trotter	Pleasant Valley	1,074	16	1	1,226,042	2,343	1.687	1141.566	0.003	523.2787
23	Dutch Fork	Claysville	Washington Pa	1,638	54	0	1,224,677	3,596	1.685	747.666	0.006	340.5665
24	Peters	Boxer	Boyce	2,191	22	1	1,178,755	5,026	1.622	537.999	0.006	234.5314
25	South Union	Rte. 119 N	Uniontown	1,732	23	1	1,164,291	4,780	1.602	672.223	0.003	243.5755
26	Pangburn Hill	Pangburn Hill	Charleroi	744	28	0	1,159,856	1,562	1.596	1558.946	0.002	742.5455
27	Houston	Mcgovern	Washington Pa	2,102	41	0	1,152,146	4,897	1.585	548.119	0.005	235.2759
28	Frazier	Perry	Pleasant Valley	736	30	1	1,146,226	3,259	1.577	1557.372	0.002	351.711

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

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
29	Footedale	Footedale	Uniontown	1,190	36	0	1,137,710	2,037	1.565	956.059	0.005	558.5223
30	Millheim	Woodward	State College	1,164	52	0	1,127,513	2,134	1.551	968.654	0.003	528.3566
31	Piney Fork	Knothole	Charleroi	1,674	16	0	1,122,992	2,528	1.545	670.843	0.004	444.2215
32	Bethlen	Darlington	Latrobe	1,241	78	0	1,107,887	4,566	1.524	892.737	0.001	242.6384
33	Stahlstown	Kreager	Latrobe	289	34	1	1,092,539	1,588	1.503	3780.412	0.005	687.9969
34	Port Matilda	Port Matilda	State College	1,440	53	3	1,047,399	3,965	1.441	727.360	0.002	264.1612
35	Vanceville	Vanceville	Charleroi	1,382	64	0	1,041,018	2,441	1.432	753.269	0.005	426.4719
36	Franklin Wpp	Rogersville	Jefferson	823	46	1	1,030,805	1,973	1.418	1252.497	0.004	522.4557
37	Amity	Banetown	Washington Pa	1,494	52	0	982,647	2,961	1.352	657.729	0.002	331.8632
38	Roundhill	Roundhill	Charleroi	955	27	1	982,622	2,280	1.352	1028.924	0.004	430.9746
39	Nittany No. 2	Clintondale	State College	773	13	1	969,385	1,856	1.334	1254.056	0.004	522.298
40	Linden-Wash	Wylandville	Washington Pa	1,159	32	0	934,865	2,818	1.286	806.613	0.003	331.7477

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 Companies³⁰ 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	Barto Sub	00706-1	Boyertown	3,002	225	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	5.76	Trees Off Row-Tree	50%	4Q 2022	
	SAIDI	1,112.01	Equipment Failure	27%	1Q 2023	
	SAIFI	3.13	Unknown	15%	2Q 2023	
	CAIDI	355	All Other	9%	3Q 2023	
	Customer Minutes	3,338,240				
	Customers Affected	9,402				
	Remedial Action Planned or Taken				Status	Progress
	Targeted overhead circuit inspection				Complete	Sep-22
	Targeted Mainline Circuit Rehabilitation LTIP Engineering Review				Complete	Feb-23
	Circuit Improvement Project LTIP Engineering Review				Complete	Feb-23
	Install Supervisory Control and Data Acquisition (SCADA) LTIP Engineering Review				Complete	Feb-23
	Replace priority mainline poles (4 poles)				Complete	Sep-23
	Targeted tree trimming and removals				To be Completed 2023	90%
	Cycle tree trimming				To be Completed 2024	0%

³⁰ Collectively referring to Met-Ed, Penelec, Penn Power and West Penn.

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
2	No Bangor	00826-3	Easton	3,321	128
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.01	Trees Off Row-Tree	55%	4Q 2022
	SAIDI	875.39	Equipment Failure	17%	1Q 2023
	SAIFI	3.79	Lightning	9%	2Q 2023
	CAIDI	231		19%	3Q 2023
	Customer Minutes	2,907,171			
	Customers Affected	12,580			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	Dec-22
	Pole relocation project			Complete	Feb-23
	Mainline Forestry Aerial Patrol			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
3	Shawnee Sub	00899-3	Stroudsburg	1,682	75
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.07	Unknown	54%	2Q 2023
	SAIDI	1,402.68	Trees Off Row-Tree	31%	3Q 2023
	SAIFI	5.08	Equipment Failure	12%	
	CAIDI	276	All Other	2%	
	Customer Minutes	2,359,307			
	Customers Affected	8,537			
	Remedial Action Planned or Taken			Status	Progress
	Mainline 34.5 kV forestry aerial patrol			Complete	Aug-22
	Mainline Forestry Aerial Patrol			Complete	Jul-23

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
4	Mountain Substation	00744-4	Dillsburg	1,868	64
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.74	Trees Off Row-Tree	76%	4Q 2022
	SAIDI	1,161.41	Wind	15%	1Q 2023
	SAIFI	2.43	Unknown	4%	2Q 2023
	CAIDI	477	All Other	6%	3Q 2023
	Customer Minutes	2,169,518			
	Customers Affected	4,544			
	Remedial Action Planned or Taken			Status	Progress
	Cycle Tree Trimming			Complete	May-22
	Targeted overhead circuit inspection			Complete	Aug-22
	Circuit Rehabilitation LTIP Zone 2			Complete	Feb-23
	Circuit Zone 2 Conversion LTIP			To be Completed 2023	50%
	Cycle Tree Trimming			Complete	May-22
5	McKnights Gap Sub	00774-1	Reading	1,593	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.61	Trees Off Row-Tree	69%	3Q 2023
	SAIDI	1,314.70	Human Error -Non-Company	24%	
	SAIFI	2.58	Vehicle	2%	
	CAIDI	510	All Other	5%	
	Customer Minutes	2,094,314			
	Customers Affected	4,110			
	Remedial Action Planned or Taken			Status	Progress
	Replace priority mainline poles (2 poles)			Complete	May-22
	Upgrade mainline switch			Complete	Jan-23
Rank	Substation	Circuit	District	Customers	Outages
6	Flying Hills Sub	00776-1	Reading	1,490	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.19	Equipment Failure	56%	3Q 2023
	SAIDI	1,240.85	Trees Off Row-Limb	29%	
	SAIFI	2.68	Trees Off Row-Tree	14%	
	CAIDI	464	All Other	2%	
	Customer Minutes	1,848,870			
	Customers Affected	3,988			
	Remedial Action Planned or Taken			Status	Progress
Cycle tree trimming			To be Completed 2024	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
7	Mohnton Sub Sta	00144-1	Reading	975	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.16	Trees Off Row-Tree	96%	3Q 2023
	SAIDI	1,880.49	Line Failure	2%	
	SAIFI	3.58	Trees Off Row-Limb	1%	
	CAIDI	526	All Other	1%	
	Customer Minutes	1,833,481			
	Customers Affected	3,487			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			To be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
8	Ottsville Sub	00660-3	Easton	875	93
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.91	Trees Off Row-Tree	51%	4Q 2022
	SAIDI	1,930.61	Trees Off Row-Limb	19%	1Q 2023
	SAIFI	5.13	Equipment Failure	10%	2Q 2023
	CAIDI	376	All Other	21%	3Q 2023
	Customer Minutes	1,689,287			
	Customers Affected	4,491			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Jan-22
Install TripSaver			Complete	Nov-22	
Install bridge tie LTIP			To be Completed 2023	25%	
Rank	Substation	Circuit	District	Customers	Outages
9	Richmond Sub	00104-3	Easton	514	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.88	Trees Off Row-Limb	71%	3Q 2023
	SAIDI	3,248.82	Equipment Failure	22%	
	SAIFI	1.91	Trees Off Row-Tree	6%	
	CAIDI	1,701	All Other	1%	
	Customer Minutes	1,669,895			
	Customers Affected	982			
	Remedial Action Planned or Taken			Status	Progress
	Targeted tree trimming and removals			To be Completed 2023	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
10	No Bangor	00813-3	Easton	1,359	58
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.71	Trees Off Row-Tree	51%	4Q 2022
	SAIDI	1,157.47	Vehicle	21%	1Q 2023
	SAIFI	3.26	Forced Outage	21%	2Q 2023
	CAIDI	355	All Other	7%	3Q 2023
	Customer Minutes	1,573,006			
	Customers Affected	4,432			
	Remedial Action Planned or Taken			Status	Progress
	Fuse relocation project			Complete	Apr-23
	Mainline Forestry Aerial Patrol			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
11	Mountain Sub	00743-4	Dillsburg	1,032	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.63	Trees Off Row-Tree	77%	4Q 2022
	SAIDI	1,478.62	Vehicle	11%	1Q 2023
	SAIFI	3.25	Trees Off Row-Limb	9%	2Q 2023
	CAIDI	455	All Other	4%	3Q 2023
	Customer Minutes	1,525,938			
	Customers Affected	3,357			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
12	Lyons Sub	00729-1	Reading	1,344	132
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.52	Trees Off Row-Tree	58%	4Q 2022
	SAIDI	1,085.86	Trees Off Row-Limb	13%	1Q 2023
	SAIFI	3.21	Equipment Failure	9%	2Q 2023
	CAIDI	338	All Other	20%	3Q 2023
	Customer Minutes	1,459,397			
	Customers Affected	4,320			
	Remedial Action Planned or Taken			Status	Progress
	Install additional mainline disconnects LTIIP			Complete	Feb-23
	Targeted forestry inspection (Bick Rd)			Complete	Feb-23
	Targeted tree trimming (Bick Rd)			Complete	May-23
	Overhead circuit inspection			Complete	Aug-23
Targeted tree removals (Schweitz Rd)			To be Completed 2023	40%	
Targeted tree trimming and removals			To be Completed 2023	40%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
13	Painted Sky	00650-1	Reading	1,782	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.47	Equipment Failure	42%	4Q 2022
	SAIDI	805.32	Trees Off Row-Tree	40%	2Q 2023
	SAIFI	3.79	Trees Off Row-Limb	14%	3Q 2023
	CAIDI	212	All Other	4%	
	Customer Minutes	1,435,073			
	Customers Affected	6,755			
	Remedial Action Planned or Taken			Status	Progress
	Replace mainline pole from inspection LTIP			Complete	Sep-22
	Upgrade mainline recloser			Complete	Sep-22
	Install additional line sectionalizing device			To be Completed 2023	50%
	Cycle tree trimming			To be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages
14	Birdsboro	00757-1	Reading	1,994	79
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.46	Trees Off Row-Tree	55%	2Q 2023
	SAIDI	715.56	Trees Off Row-Limb	27%	3Q 2023
	SAIFI	2.16	Unknown	7%	
	CAIDI	331	All Other	11%	
	Customer Minutes	1,426,828			
	Customers Affected	4,313			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	Dec-22
	Install TripSaver LTIP			Complete	Jan-23
	Replace priority mainline poles (2 poles)			Complete	Jul-23
	Overhead circuit inspection			Complete	Sep-23

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
15	Lynnville Sub	00737-1	Hamburg	1,084	96
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.44	Equipment Failure	39%	4Q 2022
	SAIDI	1,302.83	Trees Off Row-Tree	34%	1Q 2023
	SAIFI	3.35	Vehicle	10%	2Q 2023
	CAIDI	389	All Other	17%	3Q 2023
	Customer Minutes	1,412,263			
	Customers Affected	3,635			
	Remedial Action Planned or Taken			Status	Progress
	Cycle Tree Trimming			Complete	Dec-22
	Upgrade mainline recloser			Complete	Oct-23
	Replace priority mainline pole (3 poles)			Complete	Oct-23
Rank	Substation	Circuit	District	Customers	Outages
16	Walker Sub	00865-3	Stroudsburg	2,920	74
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.33	Equipment Failure	49%	1Q 2023
	SAIDI	463.08	Trees Off Row-Tree	38%	2Q 2023
	SAIFI	2.15	Trees Off Row-Limb	6%	3Q 2023
	CAIDI	215	All Other	7%	
	Customer Minutes	1,352,187			
	Customers Affected	6,289			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			To be Completed 2023	99%
Cycle tree trimming			To be Completed 2023	74%	
Rank	Substation	Circuit	District	Customers	Outages
17	S Hamb Sub	00740-1	Hamburg	1,279	71
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.26	Trees Off Row-Tree	62%	1Q 2023
	SAIDI	1,024.90	Vehicle	18%	2Q 2023
	SAIFI	3.40	Unknown	8%	3Q 2023
	CAIDI	302	All Other	13%	
	Customer Minutes	1,310,853			
	Customers Affected	4,345			
	Remedial Action Planned or Taken			Status	Progress
	Replace mainline backlog poles LTIIP (3 poles)			Complete	Mar-22
	Repair/replace priority items from overhead circuit inspection			To be Completed 2023	75%
Cycle Tree Trimming			To be Completed 2024	0%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
18	Ferndale Sub	00078-3	Easton	422	40	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.07	Trees Off Row-Tree	74%	3Q 2023	
	SAIDI	2,843.83	Trees Off Row-Limb	11%		
	SAIFI	8.18	Equipment Failure	9%		
	CAIDI	348	All Other	6%		
	Customer Minutes	1,200,097				
	Customers Affected	3,451				
	Remedial Action Planned or Taken				Status	Progress
	Cycle Tree Trimming				To be Completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages	
19	Fox Hill Subst	00852-3	Stroudsburg	791	36	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.03	Trees Off Row-Tree	86%	3Q 2023	
	SAIDI	1,492.09	Equipment Failure	8%		
	SAIFI	3.35	Trees Off Row-Limb	3%		
	CAIDI	446	All Other	3%		
	Customer Minutes	1,180,245				
	Customers Affected	2,649				
	Remedial Action Planned or Taken				Status	Progress
	Cycle Tree Trimming				To be Completed 2024	0%
Rank	Substation	Circuit	District	Customers	Outages	
20	Windsor	00797-4	York	1,545	84	
	S Hamb Sub		00741-1		Hamburg	
	SAIDI Impact	2.01	Trees Off Row-Tree	44%	2Q 2023	
	SAIDI	754.83	Vehicle	21%	3Q 2023	
	SAIFI	3.88	Forced Outage	12%		
	CAIDI	195	All Other	23%		
	Customer Minutes	1,166,212				
	Customers Affected	5,991				
	Remedial Action Planned or Taken				Status	Progress
	Replace Priority One Pole				Complete	Aug-22
	Install Animal Guarding CEMI				Complete	Dec-22
Overhead circuit inspection				Complete	Aug-23	
Replace priority poles (11 poles)				Complete	Oct-23	

Met-Ed					
21	Substation	Circuit	District	Customers	Outages
	Angelica Sub	00129-1	Reading	706	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.00	Trees Off Row-Tree	74%	4Q 2022
	SAIDI	1,646.24	Unknown	25%	1Q 2023
	SAIFI	3.22	Trees Off Row-Limb	1%	2Q 2023
	CAIDI	512	All Other	1%	3Q 2023
	Customer Minutes	1,162,242			
	Customers Affected	2,272			
	Remedial Action Planned or Taken			Status	Progress
	Replace mainline backlog pole LTIP			Complete	Jun-22
	Cycle tree trimming			Complete	Jun-23
	Rank	Substation	Circuit	District	Customers
22	Glendon	00818-3	Easton	1,638	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.97	Lightning	51%	2Q 2023
	SAIDI	695.78	Equipment Failure	33%	3Q 2023
	SAIFI	1.83	Forced Outage	8%	
	CAIDI	380	All Other	8%	
	Customer Minutes	1,139,682			
	Customers Affected	3,000			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Jul-23
	Mainline Forestry Aerial Patrol			Complete	Jul-23
	Rank	Substation	Circuit	District	Customers
23	Huffs Church	00600-1	Boyetown	1,506	150
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.95	Trees Off Row-Tree	70%	4Q 2022
	SAIDI	750.59	Trees Off Row-Limb	7%	1Q 2023
	SAIFI	2.52	Equipment Failure	7%	2Q 2023
	CAIDI	298	All Other	16%	3Q 2023
	Customer Minutes	1,130,386			
	Customers Affected	3,795			
	Remedial Action Planned or Taken			Status	Progress
	Targeted tree trimming (Maryann Drive)			Complete	Jan-23
	CEMI re-route project LTIP			Complete	Mar-23
	Targeted tree trimming and removals			Complete	May-23
	Targeted Circuit Rehabilitation LTIP			To be Completed 2023	50%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
24	Carsonia Sub	00766-1	Reading	816	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.93	Trees Off Row-Tree	85%	1Q 2023
	SAIDI	1,373.88	Trees Off Row-Limb	11%	2Q 2023
	SAIFI	3.19	Equipment Failure	2%	3Q 2023
	CAIDI	430	All Other	2%	
	Customer Minutes	1,121,085			
	Customers Affected	2,607			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	May-22
	Targeted tree trimming and removals			Complete	Jul-23
	Install Supervisory Control and Data Acquisition (SCADA) (1 device)			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
25	Flying Hills Sub	00777-1	Reading	1,793	93
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.92	Trees Off Row-Tree	64%	4Q 2022
	SAIDI	620.16	Trees Off Row-Limb	13%	1Q 2023
	SAIFI	1.56	Lightning	8%	3Q 2023
	CAIDI	398	All Other	15%	
	Customer Minutes	1,111,945			
	Customers Affected	2,791			
	Remedial Action Planned or Taken			Status	Progress
	Targeted Mainline Circuit Rehabilitation Cutout Replacements LTIP (3 units)			Complete	Apr-23
	Targeted Mainline Circuit Rehabilitation LTIP (2 rehabs)			To be Completed 2023	50%
Rank	Substation	Circuit	District	Customers	Outages
26	Carsonia Sub	00764-1	Reading	2,901	70
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.87	Trees Off Row-Tree	49%	4Q 2022
	SAIDI	373.79	Unknown	15%	1Q 2023
	SAIFI	2.00	Trees Off Row-Limb	13%	2Q 2023
	CAIDI	187	All Other	22%	3Q 2023
	Customer Minutes	1,084,375			
	Customers Affected	5,793			
	Remedial Action Planned or Taken			Status	Progress
	Circuit rehab project LTIP			Complete	Sep-22
	Construct circuit tie LTIP			Complete	Jan-23
	Targeted Mainline Circuit Rehabilitation LTIP Engineering Review			Complete	Feb-23
Targeted tree trimming and removals			To be Completed 2023	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
27	Lorane	00560-1	Reading	1,154	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.65	Trees Off Row-Tree	57%	3Q 2023
	SAIDI	827.56	Equipment Failure	33%	
	SAIFI	2.02	Trees Off Row-Limb	8%	
	CAIDI	411	All Other	2%	
	Customer Minutes	955,010			
	Customers Affected	2,326			
	Remedial Action Planned or Taken			Status	Progress
	Targeted Mainline Circuit Rehabilitation LTIP			To be Completed 2023	50%
	Create additional circuit tie LTIP			To be Completed 2023	50%
	Overhead circuit inspection			To be Completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages
28	Gilbert Sub Met-Ed	00029-3	Easton	65	15
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.63	Trees Off Row-Tree	90%	1Q 2023
	SAIDI	14,535.20	Trees Off Row-Limb	8%	2Q 2023
	SAIFI	8.74	Unknown	1%	3Q 2023
	CAIDI	1,663	All Other	1%	
	Customer Minutes	944,788			
	Customers Affected	568			
	Remedial Action Planned or Taken			Status	Progress
	Mainline Forestry Aerial Patrol			Complete	Jul-23
	Overhead circuit inspection			To be Completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages
29	Raubsville St	00095-3	Easton	527	46
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.63	Trees Off Row-Limb	51%	4Q 2022
	SAIDI	1,788.55	Trees On Row	18%	2Q 2023
	SAIFI	3.83	Vehicle	14%	3Q 2023
	CAIDI	467	All Other	17%	
	Customer Minutes	942,566			
	Customers Affected	2,017			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			To be Completed 2023	50%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
30	Bernville Sub	00787-1	Hamburg	1,870	68
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.53	Vehicle	46%	4Q 2022
	SAIDI	474.30	Trees Off Row-Tree	34%	1Q 2023
	SAIFI	1.76	Trees Off Row-Limb	6%	2Q 2023
	CAIDI	270	All Other	14%	3Q 2023
	Customer Minutes	886,950			
	Customers Affected	3,289			
	Remedial Action Planned or Taken			Status	Progress
	CEMI re-route project LTIIP			Complete	Sep-22
	Replace backlog pole LTIIP (1 pole)			Complete	Apr-23
Rank	Substation	Circuit	District	Customers	Outages
31	W Boyertown Sub	00715-1	Boyertown	1,701	63
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.47	Trees Off Row-Tree	55%	4Q 2022
	SAIDI	499.59	Forced Outage	16%	1Q 2023
	SAIFI	2.35	Trees Off Row-Limb	15%	2Q 2023
	CAIDI	213	All Other	14%	3Q 2023
	Customer Minutes	849,799			
	Customers Affected	3,992			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspections (Old State Rd & Long Lane)			Complete	Jan-22
	Repair/replace priority items from overhead circuit inspection			Complete	May-22
Rank	Substation	Circuit	District	Customers	Outages
32	Crossroads Sub	00728-4	York	1,160	39
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.43	Trees Off Row-Tree	82%	3Q 2023
	SAIDI	716.60	Wind	7%	
	SAIFI	1.65	Unknown	6%	
	CAIDI	434	All Other	5%	
	Customer Minutes	831,257			
	Customers Affected	1,914			
	Remedial Action Planned or Taken			Status	Progress
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Oct-22
	Install Supervisory Control and Data Acquisition (SCADA) (2 devices)			Complete	Mar-23
Cycle tree trimming			Complete	Oct-23	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
33	Birdsboro	00756-1	Reading	1,531	95	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.41	Trees Off Row-Tree	60%	4Q 2022	
	SAIDI	534.22	Trees Off Row-Limb	23%	2Q 2023	
	SAIFI	2.72	Equipment Failure	10%	3Q 2023	
	CAIDI	197	All Other	7%		
	Customer Minutes	817,890				
	Customers Affected	4,160				
	Remedial Action Planned or Taken				1.05	Trees Off Row-Tree
	Targeted forestry inspection				Complete	Feb-22
	Cycle tree trimming				Complete	May-22
	Replace priority mainline pole LTIIP				Complete	Mar-23
	Targeted Circuit Rehabilitation LTIIP				Complete	May-23
	Overhead circuit inspection				To be Completed 2023	8%
Rank	Substation	Circuit	District	Customers	Outages	
34	Bath Sub	00873-3	Easton	2,141	54	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.38	Trees Off Row-Limb	41%	1Q 2023	
	SAIDI	375.02	Equipment Failure	23%	2Q 2023	
	SAIFI	2.57	Trees Off Row-Tree	17%	3Q 2023	
	CAIDI	146	All Other	19%		
	Customer Minutes	802,918				
	Customers Affected	5,506				
	Remedial Action Planned or Taken				Status	Progress
	Cycle tree trimming				Complete	Sep-22
	Targeted mainline patrol				To be Completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages	
35	South Reading	00508-1	Reading	1,214	41	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.37	Equipment Failure	37%	3Q 2023	
	SAIDI	655.50	Trees Off Row-Tree	29%		
	SAIFI	3.74	Unknown	21%		
	CAIDI	175	All Other	14%		
	Customer Minutes	795,783				
	Customers Affected	4,540				
	Remedial Action Planned or Taken				Status	Progress
	Cycle tree trimming				Complete	Dec-22
Replace priority mainline poles (2 poles)				Complete	Jul-23	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
39	Barto Sub	00705-1	Boyertown	657	86
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.29	Trees Off Row-Tree	66%	1Q 2023
	SAIDI	1,134.80	Trees Off Row-Limb	16%	2Q 2023
	SAIFI	2.35	Unknown	15%	3Q 2023
	CAIDI	482	All Other	3%	
	Customer Minutes	745,561			
	Customers Affected	1,547			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection - 2-18-22 Recloser lockout			Complete	Apr-22
	Targeted tree trimming and removals			To be Completed 2023	0%
	Cycle tree trimming			To be Completed 2024	0%

Met-Ed					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2022	1Q 2023	2Q 2023	3Q 2023
Bairs Sub	00571-4	X	X		
Birdsboro	00759-1	X	X	X	
Bushkill Falls	00698-3		X	X	
Carsonia Sub	00767-1	X	X		
Gardners	00752-4	X	X	X	
Hill Sub	00735-4	X	X		
Lynnville Sub	00735-1	X	X		
McKnights Gap Sub	00773-1	X	X	X	
NorthCornwall Sub	00610-2	X	X	X	
Pine Lane Sub	00713-1	X	X		
River View Sub	00793-1		X	X	
Snydersville Sub	00621-3	X	X	X	
Stroudsburg	00693-3		X	X	
W Boyertown Sub	00714-1	X	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
Bairs Sub	00571-4	Replace Recloser	Complete	Oct-22
Bairs Sub	00571-4	Replace backlog poles (38 poles)	Complete	Mar-23
Bairs Sub	00571-4	Install Animal Guarding CEMI (2 locations)	Complete	Mar-23
Birdsboro	00759-1	Cycle tree trimming	Complete	Sep-22
Birdsboro	00759-1	Upgrade mainline recloser	Complete	Dec-22
Birdsboro	00759-1	Overhead circuit inspection	Complete	May-23
Birdsboro	00759-1	Install Supervisory Control and Data Acquisition (SCADA) LTIP (4 devices)	Complete	Jul-23
Bushkill Falls	00698-3	Cycle tree trimming	Complete	Dec-22
Bushkill Falls	00698-3	Mainline Forestry Aerial Patrol	Complete	Jul-23
Carsonia Sub	00767-1	Install TripSaver LTIP	Complete	Jan-23
Carsonia Sub	00767-1	Install Supervisory Control and Data Acquisition (SCADA) LTIP Engineering Review	Complete	Feb-23
Carsonia Sub	00767-1	Replace Priority One mainline pole	Complete	Mar-23
Carsonia Sub	00767-1	Cycle tree trimming	Complete	Apr-23
Gardners	00752-4	Replace priority poles (8 poles)	Complete	Feb-23
Gardners	00752-4	Install Supervisory Control and Data Acquisition (SCADA) device LTIP	Complete	Mar-23
Gardners	00752-4	Cycle Tree Trimming	To be Completed 2023	97%
Hill Sub	00735-4	Overhead circuit inspection	To be Completed 2023	0%
Lynnville Sub	00735-1	Cycle Tree Trimming	Complete	Dec-22
Lynnville Sub	00735-1	Replace Priority One Mainline Poles (2 poles)	Complete	Feb-23
McKnights Gap Sub	00773-1	Upgrade mainline switch LTIP	Complete	Jan-23
North Cornwall Sub	00610-2	Circuit rehab project LTIP	Complete	Jun-23
North Cornwall Sub	00610-2	Install Supervisory Control and Data Acquisition (SCADA) LTIP (1 device)	To be Completed 2023	95%
Pine Lane Sub	00713-1	Replace backlog poles (2 poles)	Complete	Sep-22
Pine Lane Sub	00713-1	Upgrade mainline recloser	Complete	Oct-22
Pine Lane Sub	00713-1	Cycle Tree Trimming	Complete	Jun-23
River View Sub	00793-1	Overhead circuit inspection	Complete	Jun-23
River View Sub	00793-1	Targeted tree trimming and removals	Complete	Jul-23
Snydersville Sub	00621-3	Cycle tree trimming	Complete	Oct-22
Snydersville Sub	00621-3	Replace 2022 priority poles (2 poles)	To be Completed 2023	75%
Stroudsburg	00693-3	Protective setting review on line device to adjust settings for current line configuration	Complete	Mar-23
W Boyertown Sub	00714-1	Construct circuit tie LTIP	Complete	Feb-23
W Boyertown Sub	00714-1	Install Supervisory Control and Data Acquisition (SCADA) LTIP Engineering Review	Complete	Feb-23
Delabole Sub	00034-3	Overhead circuit inspection	Complete	Feb-23

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Delabole Sub	00034-3	Mainline Forestry Aerial Patrol	Complete	Jul-23
Ferndale Sub	00077-3	Mid cycle forestry inspection	Complete	Dec-22
Ferndale Sub	00077-3	Cycle tree trimming	To be Completed 2023	0%
Ferndale Sub	00871-3	Repair/replace priority item from overhead inspection	Complete	Oct-22
Ferndale Sub	00871-3	Mid cycle forestry inspection	Complete	May-23
Friedensburg Sub	00141-1	Cycle Tree Trimming	Complete	May-22
Friedensburg Sub	00141-1	CEMI re-route project LTIP	Complete	Sep-22
Friedensburg Sub	00141-1	Targeted forester inspection (Forgedale Rd)	Complete	Mar-23
Friedensburg Sub	00141-1	Targeted tree removals (Forgedale Rd)	Complete	May-23
North Lebanon	00712-2	Install Supervisory Control and Data Acquisition (SCADA) switch LTIP (2 devices)	Complete	May-23
Shawnee Sub	00860-3	Cycle tree trimming	Complete	Nov-22
Shawnee Sub	00860-3	Targeted mainline patrol	To be Completed 2023	0%
S Hamb Sub	00741-1	Create additional circuit tie LTIP	Complete	Feb-23
S Hamb Sub	00741-1	Repair/Replace priority item from overhead inspection	To be Completed 2023	50%
S Hamb Sub	00741-1	Cycle tree trimming	To be Completed 2023	83%
Mt Rose Sub	00564-4	Cycle tree trimming	Complete	Jul-22
Ringing Rocks Sub	00708-1	Overhead circuit inspection	Complete	Jul-23
Raubsville St	00079-3	Mid cycle forestry inspection	Complete	Sep-22
Cly	00721-4	Repair/replace priority items from overhead circuit inspection	Complete	Oct-22
County Line Sub	00703-1	Cycle tree trimming	To be Completed 2023	0%
Earlville	00126-1	Construct circuit tie LTIP	Complete	Feb-23
Earlville	00126-1	Cycle tree trimming	To be Completed 2023	98%
Gardners	00750-4	Install Supervisory Control and Data Acquisition (SCADA) LTIP (2 Devices)	Complete	Feb-23
Hamilton Sub	00789-4	Cycle Tree Trimming	Complete	Dec-22
Hokes Sub	00587-4	Install Supervisory Control and Data Acquisition (SCADA) recloser LTIP	Complete	Jan-23
Hokes Sub	00587-4	Cycle Tree Trimming	Complete	Dec-22
Lynnville Sub	00749-1	Cycle Tree Trimming	Complete	Dec-22
Mountain Substation	00742-4	Cycle Tree Trimming	Complete	Sep-22
Newberry Sub	00586-4	Cycle tree trimming	Complete	Dec-22
Pine Lane Sub	00720-1	Circuit improvement project LTIP	Complete	Feb-23
Pine Lane Sub	00720-1	Cycle Tree Trimming	Complete	Aug-23
Rehrersburg Sub	00718-2	Cycle tree trimming	Complete	Dec-22
Stouchburg Sub	00758-2	Repair/replace priority items from overhead circuit inspection	Complete	Oct-22
Swatara Hill Sub	00763-2	Cycle tree trimming	Complete	Oct-22
Violet Hill Sub	00527-4	Install additional Supervisory Control and Data Acquisition (SCADA) (3 Devices)	Complete	Dec-22
Violet Hill Sub	00527-4	Circuit Rehab from AEC Metering Point up to upstream recloser	Complete	Jan-23
Violet Hill Sub	00527-4	Circuit Rehab from AEC Metering Point up to upstream recloser	Complete	Jan-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
1	Springboro	00237-52	Meadville	2,794	92
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	6.23	Wind	82%	1Q 2023
	SAIDI	1,295.53	Trees Off Row-Tree	6%	
	SAIFI	2.51	Bird	4%	
	CAIDI	515.77	All Other	8%	
	Customer Minutes	3,619,707			
	Customers Affected	7,018			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	May-22
	Repair damage caused by wind			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
2	Warren South	00220-41	Warren	2,822	93
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.92	Trees Off Row-Tree	68%	3Q 2022
	SAIDI	1,218.58	Unknown	18%	1Q 2023
	SAIFI	4.34	Forced Outage	4%	2Q 2023
	CAIDI	281.07	All Other	9%	
	Customer Minutes	3,438,841			
	Customers Affected	12,235			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-22
	Repair equipment failure (forced outage)			Complete	Nov-22
	Repair damage caused by trees			Complete	Mar-23
	Restore fuse operation of unknown cause			Complete	Mar-23
Repair damage caused by trees			Complete	Jul-23	

Penelec						
3	Rank	Union City	00239-43	Erie	783	38
		Salix	00070-11	Johnstown	2,204	35
	Reliability		Outage by Cause			Previously Ranked
		SAIDI Impact	4.65	Trees Off Row-Tree	50%	1Q 2023
		SAIDI	1,226.93	Ice	44%	2Q 2023
		SAIFI	2.82	Forced Outage	3%	
		CAIDI	434.33	All Other	3%	
		Customer Minutes	2,704,164			
		Customers Affected	6,226			
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by ice				Complete	Mar-23
	Repair damage caused by trees				Complete	Mar-23
4	Rank	Substation	Circuit	District	Customers	Outages
		Union City	00206-43	Erie	2,478	102
	Reliability		Outage by Cause			Previously Ranked
		SAIDI Impact	3.51	Trees Off Row-Tree	49%	3Q 2023
		SAIDI	822.94	Lightning	23%	
		SAIFI	2.01	Equipment Failure	20%	
		CAIDI	409.98	All Other	8%	
		Customer Minutes	2,039,250			
		Customers Affected	4,974			
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees during a storm				Complete	May-22
	Repair equipment failure (forced outage)				Complete	Jul-22
	Repair equipment failure				Complete	Feb-23
	Repair damage caused by trees during a storm				Complete	Mar-23
Repair damage caused by lightning				Complete	Jul-23	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
5	Tiffany	00435-65	Montrose	1,274	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.32	Trees Off Row-Tree	76%	3Q 2022
	SAIDI	1,514.89	Equipment Failure	11%	4Q 2022
	SAIFI	4.70	Vehicle	7%	1Q 2023
	CAIDI	322.14	All Other	6%	2Q 2023
	Customer Minutes	1,929,966			
	Customers Affected	5,991			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Jun-22
	On cycle tree clearing			Complete	Sep-22
	Repair equipment failure			Complete	Jul-23
	Repair damage caused by trees			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
6	Union City	00208-43	Erie	1,561	66
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.20	Wind	58%	
	SAIDI	1,192.29	Trees Off Row-Tree	21%	
	SAIFI	3.43	Lightning	8%	
	CAIDI	347.62	All Other	13%	
	Customer Minutes	1,861,161			
	Customers Affected	5,354			
	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

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
7	Union City	00239-43	Erie	811	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.95	Trees Off Row-Tree	72%	4Q 2022
	SAIDI	2,114.95	Equipment Failure	22%	1Q 2023
	SAIFI	5.39	Unknown	3%	2Q 2023
	CAIDI	392.32	All Other	3%	
	Customer Minutes	1,715,228			
	Customers Affected	4,372			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Nov-22
	Repair equipment failure			Complete	Dec-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair equipment failure			Complete	Mar-23
	Circuit inspection			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
8	Morgan Street	00476-52	Meadville	784	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.88	Wind	92%	
	SAIDI	2,138.31	Trees Off Row-Tree	6%	
	SAIFI	1.92	Line Failure	1%	
	CAIDI	1,111.69	All Other	1%	
	Customer Minutes	1,676,432			
	Customers Affected	1,508			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by wind			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
9	Falls	00297-65	Montrose	819	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.64	Trees Off Row-Tree	87%	3Q 2022
	SAIDI	1,872.39	Unknown	6%	4Q 2022
	SAIFI	3.49	Equipment Failure	4%	2Q 203
	CAIDI	536.37	All Other	4%	
	Customer Minutes	1,533,491			
	Customers Affected	2,859			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-22
	Repair damage caused by trees			Complete	Aug-22
	Repair damage caused by trees			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
10	Revloc	00069-72	Altoona	559	14
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.60	Trees Off Row-Tree	57%	1Q 2023
	SAIDI	2,701.85	Ice	21%	2Q 2023
	SAIFI	3.15	Trees On Row	18%	
	CAIDI	858.63	All Other	4%	
	Customer Minutes	1,510,335			
	Customers Affected	1,759			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees on ROW			Complete	Dec-22
	Repair damage caused by ice			Complete	Mar-23
	Repair damage cause by trees			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
11	Seward	00075-11	Johnstown	915	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.58	Trees Off Row-Tree	84%	4Q 2022
	SAIDI	1,641.91	Line Failure	8%	1Q 2023
	SAIFI	7.20	Equipment Failure	2%	2Q 2023
	CAIDI	228.04	All Other	5%	
	Customer Minutes	1,502,352			
	Customers Affected	6,588			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Nov-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair damage caused by trees during a storm			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
12	Mercer Pike	00473-52	Meadville	553	18
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.56	Wind	95%	
	SAIDI	2,692.54	Trees Off Row-Tree	4%	
	SAIFI	1.95	Lightning	1%	
	CAIDI	1,377.40	All Other	1%	
	Customer Minutes	1,488,974			
	Customers Affected	1,081			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by wind			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
13	Tunkhannock	00533-65	Montrose	1,252	62
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.44	Trees Off Row-Tree	65%	3Q 2022
	SAIDI	1,133.65	Equipment Failure	22%	4Q 2022
	SAIFI	3.86	Unknown	8%	1Q 2023
	CAIDI	293.86	All Other	1%	2Q 2023
	Customer Minutes	1,419,334			
	Customers Affected	4,830			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Apr-22
	Repair equipment failure			Complete	Jul-22
	Circuit inspection			Complete	Aug-22
	Repair damage caused by trees			Complete	Sep-22
	Repair damage caused by trees			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
14	N Meshoppen Tran	00534-65	Montrose	852	72
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.42	Trees Off Row-Tree	58%	3Q 2022
	SAIDI	1,649.04	Equipment Failure	17%	4Q 2022
	SAIFI	4.51	Trees Off Row-Limb	14%	1Q 2023
	CAIDI	365.98	All Other	11%	2Q 2023
	Customer Minutes	1,404,979			
	Customers Affected	3,839			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair equipment failure			Complete	Oct-22
	On cycle tree clearing			Complete	Nov-22
	Circuit inspection			Complete	Mar-23
	Repair equipment failure			Complete	Oct-22
Targeted Circuit Rehab			To Be Completed	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
15	Natl Forge Sw Sta	00577-41	Warren	1,196	63
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.35	Trees Off Row-Tree	77%	3Q 2022
	SAIDI	1,142.56	Trees Off Row-Limb	14%	4Q 2022
	SAIFI	4.56	Forced Outage	4%	1Q 2023
	CAIDI	250.41	All Other	4%	2Q 2023
	Customer Minutes	1,366,499			
	Customers Affected	5,457			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jun-22
	Repair damage caused by trees (Limb)			Complete	Aug-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair damage caused by trees			Complete	Jul-23
	On cycle tree clearing			To Be Completed	91%
	Rank	Substation	Circuit	District	Customers
16	North Warren	00207-41	Warren	1,375	64
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.35	Trees Off Row-Tree	52%	
	SAIDI	992.48	Unknown	22%	
	SAIFI	2.58	Trees Off Row-Limb	18%	
	CAIDI	384.41	All Other	7%	
	Customer Minutes	1,364,660			
	Customers Affected	3,550			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees (Limb)			Complete	Mar-23
	Repair damage caused by trees			Complete	Aug-23
	Restore breaker operation of unknown cause			Complete	Aug-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
17	Saxton	00625-73	Altoona	1,280	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.34	Trees Off Row-Tree	54%	4Q 2022
	SAIDI	1,063.35	Line Failure	22%	1Q 2023
	SAIFI	3.16	Equipment Failure	19%	2Q 2023
	CAIDI	336.99	All Other	5%	
	Customer Minutes	1,361,093			
	Customers Affected	4,039			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Dec-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair line failure			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
18	Blairsville East	00080-13	Indiana	1,024	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.14	Trees Off Row-Limb	45%	1Q 2023
	SAIDI	1,217.49	Trees Off Row-Tree	27%	2Q 2023
	SAIFI	4.57	Equipment Failure	23%	
	CAIDI	266.28	All Other	5%	
	Customer Minutes	1,246,705			
	Customers Affected	4,682			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jul-22
	Repair damage caused by trees during a storm (limb)			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
19	Grover	00527-63	Towanda	1,067	93
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.09	Trees Off Row-Tree	48%	3Q 2022
	SAIDI	1,137.43	Equipment Failure	33%	4Q 2022
	SAIFI	2.59	Unknown	8%	1Q 2023
	CAIDI	438.61	All Other	10%	2Q 2023
	Customer Minutes	1,213,640			
	Customers Affected	2,767			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-22
	Repair damage caused by vehicle accident			Complete	Aug-22
	Repair damage caused by trees during a storm			Complete	Mar-23
	Repair equipment failure			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
20	Blairsville East	00082-13	Indiana	1,568	47
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.06	Trees Off Row-Limb	41%	1Q 2023
	SAIDI	764.11	Trees Off Row-Tree	20%	2Q 2023
	SAIFI	2.03	Unknown	16%	
	CAIDI	376.29	All Other	23%	
	Customer Minutes	1,198,120			
	Customers Affected	3,184			
	Remedial Action Planned or Taken			Status	Progress
	Restore recloser operation of unknown cause			Complete	Mar-23
	Repair damage caused by trees during a storm (Limb)			Complete	Mar-23
	Repair damage caused by trees during a storm			Complete	Mar-23

Penelec					
Rank	Substation		District	Customers	Outages
21	Russell Hill	00282-65	Montrose	1,013	50
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.02	Trees Off Row-Tree	40%	3Q 2022
	SAIDI	1,161.61	Equipment Failure	30%	4Q 2022
	SAIFI	5.18	Overload	14%	1Q 2023
	CAIDI	224.13	All Other	16%	2Q 2023
	Customer Minutes	1,176,708			
	Customers Affected	5,250			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair equipment failure (overload)			Complete	Dec-22
	Repair equipment failure			Complete	Feb-23
Rank	Substation	Circuit	District	Customers	Outages
22	Turner Street	00488-52	Meadville	829	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.95	Trees Off Row-Tree	93%	
	SAIDI	1,365.47	Trees Off Row-Limb	4%	
	SAIFI	2.23	Line Failure	1%	
	CAIDI	612.21	All Other	2%	
	Customer Minutes	1,131,975			
	Customers Affected	1,849			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
23	Lewis Run	00409-42	Bradford	727	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.94	Trees Off Row-Tree	39%	2Q 2023
	SAIDI	1,552.58	Forced Outage	37%	
	SAIFI	5.14	Equipment Failure	14%	
	CAIDI	302.04	All Other	10%	
	Customer Minutes	1,128,728			
	Customers Affected	3,737			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Feb-23
	Repair damage caused by trees during a storm			Complete	Mar-23
	Restore recloser operation of unknown cause			Complete	Mar-23
	Repair damage caused by trees (forced)			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
24	Marienville	00328-51	Oil City	1,219	50
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.92	Trees Off Row-Tree	58%	3Q 2022
	SAIDI	917.44	Line Failure	19%	4Q 2022
	SAIFI	2.49	Wind	10%	1Q 2023
	CAIDI	368.00	All Other	13%	
	Customer Minutes	1,118,354			
	Customers Affected	3,039			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Mar-22
	Repair damage caused by trees during a storm			Complete	Jun-22
	On cycle tree clearing			Complete	Nov-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair damage caused by wind			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
25	Youngsville	00257-41	Warren	1,200	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.84	Unknown	46%	1Q 2023
	SAIDI	889.82	Trees Off Row-Tree	40%	2Q 2023
	SAIFI	4.51	Equipment Failure	12%	
	CAIDI	197.41	All Other	3%	
	Customer Minutes	1,067,789			
	Customers Affected	5,409			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Nov-22
	Repair damaged caused by trees during a storm			Complete	Dec-22
	Repair damaged caused by trees during a storm (Unknown)			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
26	Salix	00071-11	Johnstown	1,560	45
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.78	Trees Off Row-Tree	52%	1Q 2023
	SAIDI	662.46	Trees On Row	18%	2Q 2023
	SAIFI	2.07	Equipment Failure	15%	
	CAIDI	320.65	All Other	15%	
	Customer Minutes	1,033,445			
	Customers Affected	3,223			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees on ROW			Complete	Mar-23
	Repair equipment failure			Complete	Mar-23
	Repair damage caused by trees			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
27	Montrose	00457-65	Montrose	662	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.77	Trees Off Row-Tree	73%	3Q 2022
	SAIDI	1,554.81	Line Failure	13%	4Q 2022
	SAIFI	5.82	Vehicle	8%	1Q 2023
	CAIDI	267.07	All Other	6%	2Q 2023
	Customer Minutes	1,029,284			
	Customers Affected	3,854			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Apr-22
	Repair line failure			Complete	Feb-23
	Repair damage caused by trees			Complete	Apr-23
	On cycle tree clearing			Complete	May-23
	Circuit inspection			Complete	Apr-23
Rank	Substation	Circuit	District	Customers	Outages
28	Logan	00700-81	Lewistown	1,003	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.62	Trees Off Row-Tree	77%	4Q 2022
	SAIDI	939.06	Vehicle	12%	1Q 2023
	SAIFI	2.64	Equipment Failure	10%	2Q 2023
	CAIDI	355.29	All Other	2%	
	Customer Minutes	941,873			
	Customers Affected	2,651			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Oct-22
	Repair damage caused by vehicle accident			Complete	Nov-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair damage caused by trees during a storm			Complete	Jan-23
	On cycle tree clearing			Complete	Apr-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
29	Madera	00166-22	Philipsburg	2,146	68
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.60	Trees Off Row-Tree	70%	4Q 2022
	SAIDI	433.03	Line Failure	12%	1Q 2023
	SAIFI	2.66	Forced Outage	9%	2Q 2023
	CAIDI	162.49	All Other	10%	
	Customer Minutes	929,289			
	Customers Affected	5,719			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by vehicle accident (forced outage)			Complete	Nov-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Repair damage caused by trees during a storm			Complete	Jan-23
	Repair line failure			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
30	Tionesta	00344-51	Oil City	517	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.54	Trees Off Row-Tree	49%	1Q 2023
	SAIDI	1,734.46	Unknown	31%	2Q 2023
	SAIFI	5.61	Line Failure	9%	
	CAIDI	309.21	All Other	11%	
	Customer Minutes	896,716			
	Customers Affected	2,900			
	Remedial Action Planned or Taken			Status	Progress
	Restore breaker operation of unknown cause			Complete	Mar-23
	Repair damaged caused by trees during a storm			Complete	Mar-23
	Rank	Substation	Circuit	District	Customers
31	East Sayre	00518-61	Towanda	958	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.52	Trees Off Row-Tree	73%	2Q 2023
	SAIDI	925.06	Unknown	12%	
	SAIFI	2.66	Bird	10%	
	CAIDI	347.13	All Other	6%	
	Customer Minutes	886,211			
	Customers Affected	2,553			
	Remedial Action Planned or Taken			Status	Progress
	Restore fuse operation of unknown cause			Complete	Feb-23
	Repair damage caused by trees			Complete	Feb-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
32	Utica Junction	00318-51	Oil City	838	61
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.49	Trees Off Row-Tree	75%	
	SAIDI	1,036.27	Wind	9%	
	SAIFI	1.72	Vehicle	7%	
	CAIDI	601.80	All Other	9%	
	Customer Minutes	868,392			
	Customers Affected	1,443			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Mar-23
	Repair damage caused by wind			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
33	Ashville	00061-71	Altoona	490	17
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.43	Lightning	35%	1Q 2023
	SAIDI	1,692.23	Ice	20%	
	SAIFI	2.93	Wind	18%	
	CAIDI	578.24	All Other	28%	
	Customer Minutes	829,191			
	Customers Affected	1,434			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by wind			Complete	Dec-22
	Repair damage caused by ice			Complete	Mar-23
	Repair damage caused by trees during a storm (forced outage)			Complete	Mar-23
	Repair damage caused by lightning			Complete	Aug-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
34	Madera	00165-22	Philipsburg	1,192	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.38	Trees Off Row-Tree	77%	3Q 2022
	SAIDI	670.78	Wind	4%	4Q 2022
	SAIFI	1.74	Unknown	4%	1Q 2023
	CAIDI	384.41	All Other	14%	2Q 2023
	Customer Minutes	799,566			
	Customers Affected	2,080			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Mar-22
	Repair damage caused by wind			Complete	Mar-22
	Repair equipment failure			Complete	Aug-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	Circuit inspection			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
35	North Warren	00596-41	Warren	1,125	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.33	Trees Off Row-Tree	83%	3Q 2022
	SAIDI	684.65	Trees Off Row-Limb	7%	4Q 2022
	SAIFI	1.69	Lightning	4%	2Q 2023
	CAIDI	404.32	All Other	6%	
	Customer Minutes	770,236			
	Customers Affected	1,905			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
36	Dubois	00131-23	Dubois	580	48
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.32	Line Failure	71%	1Q 2023
	SAIDI	1,321.59	Equipment Failure	21%	2Q 2023
	SAIFI	6.63	Trees Off Row-Tree	6%	
	CAIDI	199.20	All Other	2%	
	Customer Minutes	766,523			
	Customers Affected	3,848			
	Remedial Action Planned or Taken			Status	Progress
	Repair damaged caused by trees during a storm			Complete	Jun-22
Repair damaged caused by trees during a storm			Complete	Jan-23	
Repair line failure			Complete	Feb-23	
Repair equipment failure			Complete	Apr-23	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
37	N Meshoppen Tran	00531-65	Montrose	418	54
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.31	Equipment Failure	37%	3Q 2022
	SAIDI	1,816.55	Trees Off Row-Tree	29%	4Q 2022
	SAIFI	13.90	Line Failure	22%	1Q 2023
	CAIDI	130.67	All Other	13%	2Q 2023
	Customer Minutes	759,317			
	Customers Affected	5,811			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees			Complete	Sep-22
	Repair line failure			Complete	Apr-23
	Repair equipment failure			Complete	May-23
	Circuit inspection			Complete	Apr-23
	Targeted Circuit Rehab			To Be Completed	0%
Rank	Substation	Circuit	District	Customers	Outages
38	Industrial Park	00796-65	Montrose	364	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.28	Trees Off Row-Tree	67%	3Q 2022
	SAIDI	2,036.28	Vehicle	23%	4Q 2022
	SAIFI	3.22	Equipment Failure	5%	1Q 2023
	CAIDI	631.89	All Other	5%	2Q 2023
	Customer Minutes	741,206			
	Customers Affected	1,173			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-22
	Repair equipment failure			Complete	Aug-22
	Repair damage caused by vehicle accident			Complete	Feb-23
	Repair damage caused by trees			Complete	Sep-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
39	Edinboro	00420-34	Erie	1,610	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.26	Forced Outage	56%	2Q 2023
	SAIDI	455.15	Equipment Failure	26%	
	SAIFI	3.97	Trees Off Row-Tree	12%	
	CAIDI	114.62	All Other	6%	
	Customer Minutes	732,795			
	Customers Affected	6,393			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees (forced)			Complete	Mar-23
	Repair equipment failure			Complete	Aug-23
	40	Grandview	00353-51	Oil City	864
Reliability		Outage by Cause		Previously Ranked	
SAIDI Impact		1.24	Wind	52%	1Q 2023
SAIDI		833.72	Line Failure	36%	2Q 2023
SAIFI		2.45	Trees Off Row-Tree	9%	
CAIDI		340.74	All Other	2%	
Customer Minutes		720,330			
Customers Affected		2,114			
Remedial Action Planned or Taken			Status	Progress	
Repair damage caused by trees during a storm			Complete	Sep-22	
Repair line failure			Complete	Mar-23	
Repair damage caused by wind			Complete	Mar-23	
41	Emlenton	00322-51	Oil City	457	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.19	Wind	69%	1Q 2023
	SAIDI	1,517.18	Trees Off Row-Tree	12%	2Q 2023
	SAIFI	3.11	Equipment Failure	11%	
	CAIDI	488.28	All Other	8%	
	Customer Minutes	693,351			
	Customers Affected	1,420			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jan-23
	Repair damage caused by wind			Complete	Mar-23
	Repair equipment failure			Complete	Mar-23

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
42	Meshoppen	00283-65	Montrose	389	25	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.19	Trees Off Row-Tree	30%	3Q 2022	
	SAIDI	1,773.42	Forced Outage	22%		
	SAIFI	4.25	Unknown	21%		
	CAIDI	416.84	All Other	27%		
	Customer Minutes	689,862				
	Customers Affected	1,655				
	Remedial Action Planned or Taken				Status	Progress
	Restore fuse operation of unknown cause				Complete	May-23
	Repair damage caused by trees (forced)				Complete	Aug-23
	Repair damage caused by trees				Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages	
43	Platea	00432-34	Erie	621	61	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.18	Trees Off Row-Tree	62%		
	SAIDI	1,107.55	Equipment Failure	20%		
	SAIFI	3.17	Line Failure	9%		
	CAIDI	349.13	All Other	9%		
	Customer Minutes	687,787				
	Customers Affected	1,970				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	Jul-23
	Repair equipment failure				Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages	
44	Avery	00791-65	Montrose	377	15	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.16	Lightning	62%		
	SAIDI	1,785.42	Vehicle	24%		
	SAIFI	3.29	Trees Off Row-Tree	11%		
	CAIDI	541.95	All Other	4%		
	Customer Minutes	673,102				
	Customers Affected	1,242				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a vehicle accident				Complete	Sep-23
	Repair damage caused by lightning				Complete	Sep-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
45	Grandview	00354-51	Oil City	523	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.14	Trees Off Row-Tree	83%	3Q 2022
	SAIDI	1,269.95	Vehicle	8%	4Q 2022
	SAIFI	3.62	Unknown	7%	1Q 2023
	CAIDI	351.05	All Other	2%	2Q 2023
	Customer Minutes	664,182			
	Customers Affected	1,892			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Aug-22
	Repair damage caused by trees			Complete	Jan-23
	Install advanced Dx protective devices			Complete	Jul-23
	On cycle tree clearing			To Be Completed	99%
Rank	Substation	Circuit	District	Customers	Outages
46	Bradford South	00106-42	Bradford	1,187	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.12	Trees Off Row-Tree	65%	4Q 2022
	SAIDI	547.11	Forced Outage	18%	
	SAIFI	2.51	Equipment Failure	10%	
	CAIDI	217.63	All Other	6%	
	Customer Minutes	649,421			
	Customers Affected	2,984			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Dec-22
	Repair damage caused by trees (forced)			Complete	May-23
	Rank	Substation	Circuit	District	Customers
47	Meyersdale North	00022-12	Somerset	1,546	45
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.11	Trees Off Row-Tree	55%	
	SAIDI	418.59	Vehicle	23%	
	SAIFI	3.45	Forced Outage	11%	
	CAIDI	121.23	All Other	12%	
	Customer Minutes	647,138			
	Customers Affected	5,338			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Dec-22
	Repair damage caused by a vehicle accident (forced)			Complete	Apr-23
	Repair damage caused by a vehicle accident			Complete	Aug-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
48	Scalp Level	00932-11	Johnstown	1,088	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.11	Trees Off Row-Tree	45%	2Q 2023
	SAIDI	591.09	Equipment Failure	31%	
	SAIFI	5.05	Vehicle	20%	
	CAIDI	117.16	All Other	4%	
	Customer Minutes	643,101			
	Customers Affected	5,489			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-22
	Repair line failure			Complete	Aug-22
	Repair damage caused by trees (Limb)			Complete	Mar-23
	Repair equipment failure			Complete	Mar-23
	Repair damage caused by vehicle accident			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
49	Brookville	00125-23	Dubois	617	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.09	Trees Off Row-Tree	93%	3Q 2022
	SAIDI	1,028.27	Lightning	2%	4Q 2022
	SAIFI	3.65	Equipment Failure	1%	1Q 2023
	CAIDI	281.98	All Other	3%	2Q 2023
	Customer Minutes	634,445			
	Customers Affected	2,250			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by wind			Complete	Mar-22
	Repair equipment failure			Complete	Jul-22
	Repair damage caused by trees			Complete	Mar-23
	Circuit inspection			Complete	May-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
50	Madera	00147-22	Philipsburg	1,067	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.08	Equipment Failure	68%	
	SAIDI	587.37	Trees Off Row-Tree	29%	
	SAIFI	3.64	Unknown	2%	
	CAIDI	161.36	All Other	1%	
	Customer Minutes	626,727			
	Customers Affected	3,884			
	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
51	Utica Junction	00511-51	Oil City	398	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.08	Trees Off Row-Tree	65%	1Q 2023
	SAIDI	1,573.45	Trees Off Row-Limb	13%	2Q 2023
	SAIFI	6.41	Equipment Failure	10%	
	CAIDI	245.49	All Other	12%	
	Customer Minutes	626,234			
	Customers Affected	2,551			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Nov-22
	Repair damage caused by trees			Complete	Jan-23
	Repair damage caused by trees (limb)			Complete	Feb-23
Rank	Substation	Circuit	District	Customers	Outages
52	Crown	00519-51	Oil City	645	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.04	Trees Off Row-Tree	63%	1Q 2023
	SAIDI	937.12	Forced Outage	13%	2Q 2023
	SAIFI	3.99	Equipment Failure	8%	
	CAIDI	235.10	All Other	16%	
	Customer Minutes	604,443			
	Customers Affected	2,571			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure (forced outage)			Complete	Mar-23
	Repair equipment failure			Complete	Apr-23
	Repair damage caused by trees			Complete	Apr-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
53	Shippensburg 1	00630-83	Shippensburg	1,779	39
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.97	Line Failure	32%	
	SAIDI	315.46	Trees Off Row-Tree	30%	
	SAIFI	2.69	Equipment Failure	22%	
	CAIDI	117.11	All Other	17%	
	Customer Minutes	561,211			
	Customers Affected	4,792			
	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
	Rank	Substation	Circuit	District	Customers
54	Erie West	00267-34	Erie	441	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.96	Trees Off Row-Tree	82%	2Q 2023
	SAIDI	1,265.55	Forced Outage	8%	
	SAIFI	5.47	Line Failure	8%	
	CAIDI	231.48	All Other	2%	
	Customer Minutes	558,109			
	Customers Affected	2,411			
	Remedial Action Planned or Taken			Status	Progress
	Forced outage to return line to normal configuration			Complete	Dec-22
	Repair damage caused by trees			Complete	Mar-23
	Repair line failure			Complete	Jun-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
55	East Towanda	00525-62	Towanda	669	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.93	Trees Off Row-Tree	59%	3Q 2022
	SAIDI	808.58	Trees Off Row-Limb	14%	4Q 2022
	SAIFI	2.10	Lightning	5%	1Q 2023
	CAIDI	385.84	All Other	22%	2Q 2023
	Customer Minutes	540,941			
	Customers Affected	1,402			
	Remedial Action Planned or Taken			Status	Progress
	Restore recloser operation of unknown cause			Complete	May-22
	Repair equipment failure			Complete	Jul-22
	Repair damage caused by lightning			Complete	Jul-22
	Repair damage caused by trees			Complete	Feb-23
	Targeted Circuit Rehab			To Be Completed	0%
Rank	Substation	Circuit	District	Customers	Outages
56	Ppl West	PL097-62	Towanda	103	13
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.91	Other Electric Utility	58%	3Q 2022
	SAIDI	5,137.50	Unknown	16%	
	SAIFI	10.75	Trees Off Row-Limb	9%	
	CAIDI	478.01	All Other	18%	
	Customer Minutes	529,162			
	Customers Affected	1,107			
	Remedial Action Planned or Taken			Status	Progress
	Restore fuse operation of unknown cause			Complete	Apr-23
	Restore operation due to other electric utility			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
57	Scalp Level	00031-11	Johnstown	1,203	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.90	Trees Off Row-Tree	66%	2Q 2023
	SAIDI	434.76	Forced Outage	9%	
	SAIFI	2.16	Line Failure	9%	
	CAIDI	201.47	All Other	17%	
	Customer Minutes	523,021			
	Customers Affected	2,596			
	Remedial Action Planned or Taken			Status	Progress
	Restore breaker operation of unknown cause			Complete	Dec-22
	Repair equipment failure			Complete	Mar-23
Repair line failure			Complete	Jul-23	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
58	Grandview	00524-51	Oil City	379	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.89	Trees Off Row-Tree	68%	2Q 2023
	SAIDI	1,370.70	Unknown	21%	
	SAIFI	2.49	Vehicle	6%	
	CAIDI	549.73	All Other	5%	
	Customer Minutes	519,494			
	Customers Affected	945			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees (unknown)			Complete	Mar-23
	Repair damage caused by trees			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
59	Marienville	00327-51	Oil City	748	39
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.86	Trees Off Row-Tree	59%	
	SAIDI	670.67	Line Failure	18%	
	SAIFI	1.67	Unknown	16%	
	CAIDI	401.01	All Other	6%	
	Customer Minutes	501,662			
	Customers Affected	1,251			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Mar-23
	Repair damage caused by trees			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
60	Timblin	00103-23	Dubois	699	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.86	Trees Off Row-Tree	76%	
	SAIDI	714.68	Unknown	15%	
	SAIFI	2.86	Equipment Failure	8%	
	CAIDI	250.03	All Other	1%	
	Customer Minutes	499,559			
	Customers Affected	1,998			
	Remedial Action Planned or Taken			Status	Progress
	Restore breaker operation of unknown cause			Complete	Jun-23
	Repair damage caused by trees			Complete	Jul-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
61	Snakespring	00634-73	Altoona	1,151	9
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.86	Line Failure	65%	3Q 2022
	SAIDI	432.82	Unknown	33%	4Q 2022
	SAIFI	3.87	Bird	1%	2Q 2023
	CAIDI	111.97	All Other	1%	
	Customer Minutes	498,175			
	Customers Affected	4,449			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-22
	Repair equipment failure			Complete	Sep-22
	Repair line failure			Complete	Jun-23
	Restore recloser operation of unknown cause			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
62	Division Street	00561-31	Erie	344	3
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.84	Line Failure	43%	2Q 2023
	SAIDI	1,416.15	Wind	42%	
	SAIFI	2.00	Trees Off Row-Tree	9%	
	CAIDI	708.08	All Other	6%	
	Customer Minutes	487,156			
	Customers Affected	688			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by wind			Complete	Mar-23
	Repair line failure			Complete	May-23

Penelec					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2022	1Q 2023	2Q 2023	3Q 2023
Brooklyn	00748-65	X	X		
Brooklyn	00749-65	X	X		
Covington	00727-63		X	X	
Cranberry	00350-51	X	X		
Dubois	00137-23	X	X		
Elk Run	00622-23	X	X	X	
Franklin	00307-51		X	X	
Hepburnia	00778-21	X		X	
Laurel Lake Sub Tran	00448-65	X	X	X	
Laurel Lake Sub Tran	00449-65	X	X	X	
Laurel Lake Sub Tran	00769-65	X	X		
Lenox	00434-65	X	X		
Lenox	00755-65	X	X	X	
N Meshoppen Tran	00437-65	X	X		
North Towanda	00521-62	X	X		
Oxbow	00555-65	X	X	X	
Reeder Street	00041-11	X	X		
Russell Hill	00765-65	X	X		
Thompson	00436-65	X	X		
Thompson	00442-65	X	X	X	
Tiffany	00440-65	X	X		
Tionesta Sw St	00498-51	X	X		
Titusville	00387-51		X	X	
Utica Junction	00331-51	X	X	X	
Warren South	00219-41	X	X	X	
Wyalusing	00532-62	X	X	X	

Penelac				
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
Brooklyn	00749-65	On Cycle Tree Clearing	To be Completed	73%
Canton	00608-63	On Cycle Tree Clearing	To be Completed	96%
East Pike	00095-13	On Cycle Tree Clearing	To be Completed	76%
East Pike	00095-13	Install advanced Dx protective devices	Complete	Aug-23
East Pike	00096-13	Install advanced Dx protective devices	Complete	Aug-23
East Pike	00096-13	Install advanced Dx protective devices	Complete	Aug-23
Knox	00323-51	Circuit Inspection	Complete	Apr-23
Laurel Lake Sub Tran	00769-65	Circuit Inspection	Complete	Apr-23
Laurel Lake Sub Tran	00448-65	Circuit Inspection	Complete	Apr-23
Lenox	00434-65	On Cycle Tree Clearing	To be Completed	97%
Lenox	00757-65	On Cycle Tree Clearing	Complete	Jul-23
National Forge Switching	00755-65	On Cycle Tree Clearing	To be Completed	15%
North Towanda	00521-62	Circuit Inspection	Complete	Mar-23
Reeder Street	00041-11	Install advanced Dx protective devices	Complete	May-23
Russell Hill	00765-65	Circuit Inspection	Complete	Apr-23
Somerset	00031-12	Install advanced Dx protective devices	Complete	Jul-23
Somerset	00031-12	Install advanced Dx protective devices	Complete	Jul-23
Tiffany	00440-65	On Cycle Tree Clearing	To be Completed	21%
Tiffany	00440-65	Circuit Inspection	Complete	Apr-23
Warren South	00219-41	Circuit Inspection	Complete	Apr-23
Brooklyn	00749-65	On Cycle Tree Clearing	To be Completed	73%
Canton	00608-63	On Cycle Tree Clearing	To be Completed	96%
East Pike	00095-13	On Cycle Tree Clearing	To be Completed	76%
East Pike	00095-13	Install advanced Dx protective devices	Complete	Aug-23
East Pike	00096-13	Install advanced Dx protective devices	Complete	Aug-23
East Pike	00096-13	Install advanced Dx protective devices	Complete	Aug-23
Knox	00323-51	Circuit Inspection	Complete	Apr-23
Laurel Lake Sub Tran	00769-65	Circuit Inspection	Complete	Apr-23
Laurel Lake Sub Tran	00448-65	Circuit Inspection	Complete	Apr-23
Lenox	00434-65	On Cycle Tree Clearing	To be Completed	97%
Lenox	00757-65	On Cycle Tree Clearing	Complete	Jul-23
National Forge Switching	00755-65	On Cycle Tree Clearing	To be Completed	15%
North Towanda	00521-62	Circuit Inspection	Complete	Mar-23
Reeder Street	00041-11	Install advanced Dx protective devices	Complete	May-23

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
1	Hartstown	W-126	Clark	2,224	55	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	7.12	Trees Off Row-Tree	65%	Q4 2022	
	SAIDI	541.49	Vehicle	29%	Q1 2023	
	SAIFI	3.37	Trees off Row - Limb	2%	Q2 2023	
	CAIDI	161	All Other	4%		
	Customer Minutes	1,204,264				
	Customers Affected	7,489				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	
	Repair damage caused by tree				Complete	
Rank	Substation	Circuit	District	Customers	Outages	
2	Sharpsville	W-219	Clark	1,877	12	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	5.30	Tree off row- Tree	1%		
	SAIDI	477.96	Forced Outage	93%		
	SAIFI	0.87	Line Failure	4%		
	CAIDI	552	All Other	2%		
	Customer Minutes	897,139				
	Customers Affected	1,626				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	
	Repair damage caused by tree				Complete	
Rank	Substation	Circuit	District	Customers	Outages	
3	Sharpsville	W-218	Clark	1,354	31	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	5.18	Animal	2%	Q1 2023	
	SAIDI	646.98	Trees Off Row-Tree	79%		
	SAIFI	2.30	Unknown	12%		
	CAIDI	281	All Other	8%		
	Customer Minutes	876,013				
	Customers Affected	3,116				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by unknown cause				Complete	
	Repair damage caused by tree				Complete	

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
4	Camp Reynolds	W-134	Clark	1,763	63	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.96	Trees Off Row-Tree	59%	2Q 2023	
	SAIDI	379.89	Trees Off Row-Limb	20%	1Q 2023	
	SAIFI	1.50	Equipment Failure	15%		
	CAIDI	254	All Other	5%		
	Customer Minutes	669,752				
	Customers Affected	2,641				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	
	Repair damage caused by trees				Complete	
Rank	Substation	Circuit	District	Customers	Outages	
5	Conneaut	W-173	Clark	1,927	30	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.93	Trees Off Row-Limb	54%		
	SAIDI	345.51	Vehicle	35%	2Q 2023	
	SAIFI	2.24	Trees Off Row-Tree	4%		
	CAIDI	154	All Other	7%		
	Customer Minutes	665,796				
	Customers Affected	4,324				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by vehicle				Complete	
	Repair damage caused by trees				Complete	
Rank	Substation	Circuit	District	Customers	Outages	
6	Mercer	W-167	Clark	1,006	25	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.76	Trees Off Row-Tree	84%	4Q 2022	
	SAIDI	464.49	Trees Off Row-Limb	7%		
	SAIFI	1.10	Animal	5%	2Q 2023	
	CAIDI	422	All Other	4%		
	Customer Minutes	467,274				
	Customers Affected	1,106				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
7	Mercer	W-128	Clark	1,210	53	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.68	Trees Off Row-Tree	46%	1Q 2023	
	SAIDI	375.23	Trees Off Row-Limb	23%		
	SAIFI	0.93	Line Failure	21%		
	CAIDI	405	All Other	9%		
	Customer Minutes	454,026				
	Customers Affected	1,121				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	
Rank	Substation	Circuit	District	Customers	Outages	
8	Ingomar	D620	Zelienople	1,273	7	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.53	Trees Off Row-Tree	85%	1Q 2023	
	SAIDI	336.70	Forced Outage	12%	2Q 2023	
	SAIFI	1.38	Line Failure	1%		
	CAIDI	244	All Other	2%		
	Customer Minutes	428,615				
	Customers Affected	1,756				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	
	Repair damage caused by trees				Complete	
Rank	Substation	Circuit	District	Customers	Outages	
9	Koppel	D-531	New Castle	998	31	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.51	Trees Off Row-Tree	80%		
	SAIDI	426.38	Trees Off Row-Limb	12%		
	SAIFI	3.00	Equipment Failure	3%		
	CAIDI	142	All Other	5%		
	Customer Minutes	425,528				
	Customers Affected	2,996				
	Remedial Action Planned or Taken				Status	Progress
Repair damage caused by trees				Complete		

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
10	Richard	W744	Zelienople	1,085	18	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.03	Trees Off Row-Tree	67%		
	SAIDI	316.36	Trees Off Row-Limb	13%		
	SAIFI	2.17	Line Failure	10%		
	CAIDI	146	All Other	10%		
	Customer Minutes	343,248				
	Customers Affected	2,355				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	

Penn Power					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2022	1Q 2023	2Q 2023	3Q 2023
Hadley	W-195	X	X		
Jamestown	W-162	X	X		
Perry	W-156	X	X		
Ray Street	D-389	X		X	
Stoneboro	W-131	X	X	X	
Stoneboro	W-132	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
Penn Power has no unranked circuits with remedial actions scheduled to be or recently completed.				

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
1	Donegal	Champion	Pleasant Valley	1,184	40
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.43	Trees Off Row-Tree	83%	Q1 2023
	SAIDI	3,332.77	Wind	11%	Q2 2023
	SAIFI	0.00	Line Failure	4%	Q3 2023
	CAIDI	1,285	All Other	2%	
	Customer Minutes	3,946,002			
	Customers Affected	3,072			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair line failure			Complete	Jun-23
	Repair damage caused by a tree			Complete	Aug-23
	Rank	Substation	Circuit	District	Customers
2	Piney Fork	Gillhall	Charleroi	2,286	21
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.67	Trees Off Row-Tree	86%	Q4 2022
	SAIDI	1,166.93	Forced Outage	9%	Q1 2023
	SAIFI	0.00	Line Failure	4%	Q3 2023
	CAIDI	458	All Other	1%	
	Customer Minutes	2,667,609			
	Customers Affected	5,823			
	Remedial Action Planned or Taken			Status	Progress
	Forced outage to repair damage			Complete	Dec-22
	Repair line failure			Complete	Mar-23
	Repair damage caused by a tree			Complete	Aug-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
3	Rutan	Bristoria	Jefferson	1,108	69
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.62	Trees Off Row-Tree	78%	Q4 2022
	SAIDI	2,375.35	Unknown	8%	Q1 2023
	SAIFI	0.00	Line Failure	4%	Q2 2023
	CAIDI	586	All Other	10%	Q3 2023
	Customer Minutes	2,631,887			
	Customers Affected	4,493			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Nov-22
	Repair damage caused by a tree			Complete	Feb-23
	Repair equipment failure			Complete	May-23
	Repair damage caused by a tree			Complete	Jul-23
	Rank	Substation	Circuit	District	Customers
4	Bethlen	Laurel Valley	Latrobe	1,419	69
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.32	Trees Off Row-Tree	95%	Q1 2023
	SAIDI	1,698.51	Trees Off Row-Limb	2%	Q2 2023
	SAIFI	0.00	Forced Outage	1%	Q3 2023
	CAIDI	780	All Other	2%	
	Customer Minutes	2,410,192			
	Customers Affected	3,090			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Overhead Circuit Inspection (62259713)			Complete	Apr-23
	Repair damage caused by a tree			Complete	May-23
	Repair damage caused by a tree			Complete	Jul-23

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
5	Fort Palmer	Oakgrove	Latrobe	679	33	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.05	Trees Off Row-Tree	97%	Q2 2023	
	SAIDI	3,268.72	Wind	1%	Q3 2023	
	SAIFI	0.00	Forced Outage	1%		
	CAIDI	1,689	All Other	2%		
	Customer Minutes	2,219,462				
	Customers Affected	1,314				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Apr-23
	Overhead Circuit Inspection (62256770)				Complete	May-23
	Repair damage caused by a tree				Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages	
6	Bethlen	Laughlintown	Latrobe	1,096	77	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.99	Trees Off Row-Tree	79%	Q2 2023	
	SAIDI	1,983.67	Trees Off Row-Limb	12%	Q3 2023	
	SAIFI	0.01	Line Failure	4%		
	CAIDI	758	All Other	6%		
	Customer Minutes	2,174,100				
	Customers Affected	2,867				
	Remedial Action Planned or Taken				Status	Progress
	Repair equipment failure				Complete	Jun-23
	Repair damage caused by a tree				Complete	Aug-23
	Rank	Substation	Circuit	District	Customers	Outages
7	Bethelboro	Coolspring	Uniontown	1,451	40	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.53	Trees Off Row-Tree	83%	Q2 2023	
	SAIDI	1,265.59	Vehicle	10%	Q3 2023	
	SAIFI	0.00	Equipment Failure	4%		
	CAIDI	773	All Other	3%		
	Customer Minutes	1,836,366				
	Customers Affected	2,377				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a vehicle				Complete	Jun-23
	Repair damage caused by a tree				Complete	Aug-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
8	Karns City	Kaylor	Butler	1,148	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.49	Trees Off Row-Tree	86%	Q1 2023
	SAIDI	1,576.06	Vehicle	6%	Q2 2023
	SAIFI	0.01	Wind	3%	Q3 2023
	CAIDI	578	All Other	4%	
	Customer Minutes	1,809,315			
	Customers Affected	3,133			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair damage caused by a tree			Complete	Jun-23
	Forced outage to repair damage			Complete	Aug-23
	Rank	Substation	Circuit	District	Customers
9	Franklin Wpp	S Waynesburg	Jefferson	2,061	48
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.38	Unknown	56%	Q4 2022
	SAIDI	838.40	Trees Off Row-Tree	41%	Q1 2023
	SAIFI	0.00	Animal	2%	Q2 2023
	CAIDI	172	All Other	2%	Q3 2023
	Customer Minutes	1,727,949			
	Customers Affected	10,039			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage			Complete	Dec-22
	Repair damage caused by a tree			Complete	Mar-23
	Repair damage caused by a tree			Complete	Apr-23
	Repair damage caused by a tree			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
10	Normalville	Indianhead	Pleasant Valley	562	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.35	Trees Off Row-Tree	55%	Q3 2023
	SAIDI	3,044.50	Trees Off Row-Limb	20%	
	SAIFI	0.00	Wind	17%	
	CAIDI	1,121	All Other	8%	
	Customer Minutes	1,711,009			
	Customers Affected	1,526			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
11	Normalville	Mill Run	Pleasant Valley	581	25	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.33	Trees Off Row-Tree	99%	Q3 2023	
	SAIDI	2,914.43	Wind	1%		
	SAIFI	0.01	Trees Off Row-Limb	1%		
	CAIDI	1,865	All Other	0%		
	Customer Minutes	1,693,281				
	Customers Affected	908				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages	
12	Springfield Pike	Rock Ridge	Pleasant Valley	727	19	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.33	Trees Off Row-Tree	93%	Q1 2023	
	SAIDI	2,324.61	Vehicle	4%	Q2 2023	
	SAIFI	0.00	Line Failure	2%	Q3 2023	
	CAIDI	666	All Other	1%		
	Customer Minutes	1,689,991				
	Customers Affected	2,536				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Mar-23
Overhead Circuit Inspection (62259770)				Complete	Apr-23	
Repair damage caused by a vehicle				Complete	May-23	
Repair damage caused by a tree				Complete	Aug-23	
Rank	Substation	Circuit	District	Customers	Outages	
13	North Union	Phillips	Uniontown	1,474	35	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.17	Trees Off Row-Tree	91%	Q2 2023	
	SAIDI	1,071.59	Trees Off Row-Limb	4%	Q3 2023	
	SAIFI	0.00	Forced Outage	2%		
	CAIDI	655	All Other	3%		
	Customer Minutes	1,579,527				
	Customers Affected	2,411				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Mar-23
Repair damage caused by a tree				Complete	Aug-23	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
14	Amity	Amity	Washington Pa	532	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.11	Trees Off Row-Tree	77%	Q3 2023
	SAIDI	2,883.65	Line Failure	10%	
	SAIFI	0.01	Wind	7%	
	CAIDI	619	All Other	7%	
	Customer Minutes	1,534,101			
	Customers Affected	2,479			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by tree			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
15	Frazier	Star Junction	Pleasant Valley	1,741	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.04	Trees Off Row-Tree	69%	Q3 2023
	SAIDI	853.59	Forced Outage	11%	
	SAIFI	0.01	Animal	10%	
	CAIDI	478	All Other	11%	
	Customer Minutes	1,486,101			
	Customers Affected	3,108			
	Remedial Action Planned or Taken			Status	Progress
	Overhead Circuit Inspection (62259756)			Complete	Jul-23
	Repair damage caused by a tree			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
16	Waterville	Waterville	State College	361	21
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.92	Other Electric Utility	66%	Q4 2022
	SAIDI	3,874.47	Unknown	20%	Q3 2023
	SAIFI	0.00	Trees Off Row-Tree	14%	
	CAIDI	493	All Other	0%	
	Customer Minutes	1,398,685			
	Customers Affected	2,839			
	Remedial Action Planned or Taken			Status	Progress
	Restore outage caused by other electric utility			Complete	Oct-22
	Restore outage caused by other electric utility			Complete	Aug-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
17	Blue Ridge Summit	Sabillasville	Waynesboro	970	50
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.89	Line Failure	23%	Q4 2022
	SAIDI	1,417.77	Unknown	22%	Q1 2023
	SAIFI	0.00	Trees Off Row-Tree	17%	Q2 2023
	CAIDI	309	All Other	37%	Q3 2023
	Customer Minutes	1,375,234			
	Customers Affected	4,452			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Dec-22
	Overhead Circuit Inspection (62256832)			Complete	Feb-23
	Repair damage caused by a tree			Complete	Mar-23
	Forced outage to repair damage			Complete	Apr-23
	Repair damage caused by a tree			Complete	Sep-23
Rank	Substation	Circuit	District	Customers	Outages
18	Laurelville	Laurelville	Pleasant Valley	661	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.85	Trees Off Row-Tree	92%	Q1 2023
	SAIDI	2,034.37	Equipment Failure	5%	Q2 2023
	SAIFI	0.01	Trees Off Row-Limb	2%	Q3 2023
	CAIDI	631	All Other	1%	
	Customer Minutes	1,344,717			
	Customers Affected	2,131			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair equipment failure			Complete	Jun-23
	Repair damage caused by a tree			Complete	Aug-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
19	Ethel Springs	Railroad	Latrobe	727	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.84	Trees Off Row-Tree	99%	Q1 2023
	SAIDI	1,839.86	Vehicle	1%	Q2 2023
	SAIFI	0.00	Unknown	0%	Q3 2023
	CAIDI	796	All Other	0%	
	Customer Minutes	1,337,578			
	Customers Affected	1,681			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair damage caused by a vehicle			Complete	May-23
	Repair damage caused by a tree			Complete	Jul-23
	Rank	Substation	Circuit	District	Customers
20	South Union	Brownfield	Uniontown	1,820	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.82	Trees Off Row-Tree	71%	Q2 2023
	SAIDI	725.40	Vehicle	15%	Q3 2023
	SAIFI	0.00	Unknown	13%	
	CAIDI	418	All Other	2%	
	Customer Minutes	1,320,220			
	Customers Affected	3,157			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a vehicle			Complete	Apr-23
	Repair equipment failure			Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages
21	Piney Fork	Cochran Mill	Charleroi	1,249	17
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.74	Trees Off Row-Tree	65%	Q3 2023
	SAIDI	1,012.32	Vehicle	32%	
	SAIFI	0.01	Equipment Failure	1%	
	CAIDI	477	All Other	2%	
	Customer Minutes	1,264,385			
	Customers Affected	2,652			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
22	Connellsville	Trotter	Pleasant Valley	1,074	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.69	Line Failure	55%	Q1 2023
	SAIDI	1,141.57	Trees Off Row-Tree	28%	Q2 2023
	SAIFI	0.00	Vehicle	13%	Q3 2023
	CAIDI	523	All Other	4%	
	Customer Minutes	1,226,042			
	Customers Affected	2,343			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a vehicle			Complete	Jan-23
	Repair line failure			Complete	Mar-23
	Overhead Circuit Inspection (62259755)			Complete	Jul-23
	Repair damage caused by a tree			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
23	Dutch Fork	Claysville	Washington Pa	1,638	54
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.68	Trees Off Row-Tree	59%	Q4 2022
	SAIDI	747.67	Unknown	27%	Q3 2023
	SAIFI	0.01	Wind	9%	
	CAIDI	341	All Other	5%	
	Customer Minutes	1,224,677			
	Customers Affected	3,596			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage			Complete	Dec-22
	Overhead Circuit Inspection (62260059)			Complete	Jan-23
	Repair damage caused by a tree			Complete	Aug-23
	Rank	Substation	Circuit	District	Customers
24	Peters	Boxer	Boyce	2,191	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.62	Trees Off Row-Tree	77%	Q1 2023
	SAIDI	538.00	Trees On Row	15%	Q2 2023
	SAIFI	0.01	Equipment Failure	2%	Q3 2023
	CAIDI	235	All Other	6%	
	Customer Minutes	1,178,755			
	Customers Affected	5,026			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair line failure			Complete	May-23
	Repair damage caused by a tree			Complete	Jul-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
25	South Union	Rte. 119 North	Uniontown	1,732	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.60	Trees Off Row-Tree	68%	Q1 2023
	SAIDI	672.22	Unknown	22%	Q2 2023
	SAIFI	0.00	Vehicle	6%	Q3 2023
	CAIDI	244	All Other	4%	
	Customer Minutes	1,164,291			
	Customers Affected	4,780			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Forced outage to repair damage			Complete	Apr-23
	Repair damage caused by a vehicle			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
26	Pangburn Hill	Pangburn Hill	Charleroi	744	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.60	Trees Off Row-Tree	68%	Q3 2023
	SAIDI	1,558.95	Wind	22%	
	SAIFI	0.00	Line Failure	6%	
	CAIDI	743	All Other	4%	
	Customer Minutes	1,159,856			
	Customers Affected	1,562			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
	Rank	Substation	Circuit	District	Customers
27	Houston	McGovern	Washington Pa	2,102	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.59	Trees Off Row-Tree	73%	Q4 2022
	SAIDI	548.12	Line Failure	12%	Q1 2023
	SAIFI	0.00	Equipment Failure	7%	Q3 2023
	CAIDI	235	All Other	8%	
	Customer Minutes	1,152,146			
	Customers Affected	4,897			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Dec-22
	Restore unknown outage			Complete	Mar-23
	Repair damage caused by a tree			Complete	Aug-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
28	Frazier	Perry	Pleasant Valley	736	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.58	Trees Off Row-Tree	77%	Q3 2023
	SAIDI	1,557.37	Vehicle	16%	
	SAIFI	0.00	Human Error -Non-Company	3%	
	CAIDI	352	All Other	4%	
	Customer Minutes	1,146,226			
	Customers Affected	3,259			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
29	Footedale	Footedale	Uniontown	1,190	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.57	Trees Off Row-Tree	61%	Q3 2023
	SAIDI	956.06	Line Failure	36%	
	SAIFI	0.00	Unknown	1%	
	CAIDI	559	All Other	2%	
	Customer Minutes	1,137,710			
	Customers Affected	2,037			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
30	Millheim	Woodward	State College	1,164	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.55	Trees Off Row-Tree	88%	Q3 2023
	SAIDI	968.65	Line Failure	3%	
	SAIFI	0.00	Trees On Row	3%	
	CAIDI	528	All Other	7%	
	Customer Minutes	1,127,513			
	Customers Affected	2,134			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
31	Piney Fork	Knothole	Charleroi	1,674	16	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.55	Trees Off Row-Tree	83%	Q3 2023	
	SAIDI	670.84	Line Failure	12%		
	SAIFI	0.00	Trees On Row	3%		
	CAIDI	444	All Other	2%		
	Customer Minutes	1,122,992				
	Customers Affected	2,528				
	Remedial Action Planned or Taken			Status	Progress	
	Repair damage caused by a tree				Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages	
32	Bethlen	Darlington	Latrobe	1,241	78	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.52	Trees Off Row-Tree	67%	Q2 2023	
	SAIDI	892.74	Line Failure	13%	Q3 2023	
	SAIFI	0.00	Trees Off Row-Limb	10%		
	CAIDI	243	All Other	10%		
	Customer Minutes	1,107,887				
	Customers Affected	4,566				
	Remedial Action Planned or Taken			Status	Progress	
	Repair damage caused by a tree				Complete	Jun-23
Repair damage caused by a tree				Complete	Jul-23	
Rank	Substation	Circuit	District	Customers	Outages	
33	Stahlstown	Kreager	Latrobe	289	34	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.50	Equipment Failure	52%	Q1 2023	
	SAIDI	3,780.41	Trees Off Row-Tree	39%	Q2 2023	
	SAIFI	0.01	Wind	7%	Q3 2023	
	CAIDI	688	All Other	2%		
	Customer Minutes	1,092,539				
	Customers Affected	1,588				
	Remedial Action Planned or Taken			Status	Progress	
	Repair damage caused by a tree				Complete	Mar-23
Repair equipment failure				Complete	Aug-23	

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
34	Port Matilda	Port Matilda	State College	1,440	53	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.44	Trees Off Row-Tree	67%	Q2 2023	
	SAIDI	727.36	Equipment Failure	31%	Q3 2023	
	SAIFI	0.00	Forced Outage	1%		
	CAIDI	264	All Other	2%		
	Customer Minutes	1,047,399				
	Customers Affected	3,965				
	Remedial Action Planned or Taken				Status	Progress
	Repair equipment failure				Complete	Jun-23
	Repair damage caused by a tree				Complete	Jul-23
Rank	Substation	Circuit	District	Customers	Outages	
35	Vanceville	Vanceville	Charleroi	1,382	64	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.43	Trees Off Row-Tree	43%	Q1 2023	
	SAIDI	753.27	Forced Outage	21%	Q2 2023	
	SAIFI	0.00	Wind	14%	Q3 2023	
	CAIDI	426	All Other	22%		
	Customer Minutes	1,041,018				
	Customers Affected	2,441				
	Remedial Action Planned or Taken				Status	Progress
	Repair line failure				Complete	Mar-23
	Repair damage caused by a tree				Complete	Jun-23
Repair damage caused by a tree				Complete	Jul-23	
Rank	Substation	Circuit	District	Customers	Outages	
36	Franklin Wpp	Rogersville	Jefferson	823	46	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.42	Unknown	33%	Q4 2022	
	SAIDI	1,252.50	Line Failure	32%	Q1 2023	
	SAIFI	0.00	Trees Off Row-Tree	31%	Q2 2023	
	CAIDI	522	All Other	4%	Q3 2023	
	Customer Minutes	1,030,805				
	Customers Affected	1,973				
	Remedial Action Planned or Taken				Status	Progress
	Restore unknown outage				Complete	Dec-22
	Repair damage caused by a tree				Complete	Mar-23
Overhead Circuit Inspection (62259374)				Complete	Jun-23	
Forced outage to repair damage				Complete	May-23	
Restore unknown outage				Complete	Aug-23	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
37	Amity	Banetown	Washington Pa	1,494	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.35	Trees Off Row-Tree	50%	Q3 2023
	SAIDI	657.73	Unknown	16%	
	SAIFI	0.00	Line Failure	15%	
	CAIDI	332	All Other	19%	
	Customer Minutes	982,647			
	Customers Affected	2,961			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-23
Rank	Substation	Circuit	District	Customers	Outages
38	Roundhill	Roundhill	Charleroi	955	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.35	Trees Off Row-Tree	80%	Q1 2023
	SAIDI	1,028.92	Line Failure	6%	Q3 2023
	SAIFI	0.00	Unknown	6%	
	CAIDI	431	All Other	7%	
	Customer Minutes	982,622			
	Customers Affected	2,280			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Overhead Circuit Inspection (62259364)			Complete	Jul-23
Repair damage caused by a tree			Complete	Aug-23	
Rank	Substation	Circuit	District	Customers	Outages
39	Nittany No. 2	Clintondale	State College	773	13
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.33	Equipment Failure	82%	Q4 2022
	SAIDI	1,254.06	Trees Off Row-Tree	12%	Q2 2023
	SAIFI	0.00	Unknown	4%	Q3 2023
	CAIDI	522	All Other	2%	
	Customer Minutes	969,385			
	Customers Affected	1,856			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a vehicle			Complete	Apr-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
40	Linden-Wash	Wylandville	Washington Pa	1,159	32
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.29	Trees Off Row-Tree	42%	Q4 2022
	SAIDI	806.61	Unknown	27%	Q1 2023
	SAIFI	0.00	Line Failure	22%	Q2 2023
	CAIDI	332	All Other	8%	Q3 2023
	Customer Minutes	934,865			
	Customers Affected	2,818			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage			Complete	Dec-22
	Repair damage caused by a tree			Complete	Mar-23
	Repair damage caused by a tree			Complete	May-23

West Penn					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2022	1Q 2023	2Q 2023	3Q 2023
Bentleyville	Ellsworth	X	X	X	
Butler	Penn St		X	X	
Cecil	Bishop	X	X		
Ethel Springs	Peach Hollow		X	X	
Fawn	Bull Creek	X	X		
Hickory	Fort Cherry	X	X		
Hilliards	Hilliards	X	X	X	
Houston	Weavertown	X	X		
Kittanning	Cadogan		X	X	
Lagonda	Lagonda	X	X	X	
Millheim	Rebersburg	X		X	
Peters	Memurray	X	X		
Robbins	Balkan	X	X		
Rutan	Windridge	X	X	X	
Saltsburg	Bell Township	X	X	X	
Shaffers Corner	Braeburn	X	X		
St. Clair	Fort Couch	X	X	X	
White Valley	Congruity	X	X		
Whitney	Pleasant Unity		X	X	
Whitney	Youngstown	X	X	X	

West Penn				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned	Status of Remedial Work	Progress of Remedial Work
West Penn Power has no unranked circuits with remedial actions scheduled to be or recently completed				

Pursuant to Docket Nos. D-2014-2365991, D-2014-2365992, D-2014-2365993, and D-2014-2365994, (Appendix A)(3): The Companies are 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 Company.

Met-Ed –Third Party Line Hit Incidents			
3rd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	28	\$21,075.00	\$1,451.00
Excavated in Tolerance	38	\$76,976.00	\$-
Excavation Inconsistent with Ticket Scope	5	\$10,328.00	\$-
Excavation Prior to Lawful Start Date	3	\$2,625.00	\$1,110.00
Expired Ticket	3	\$3,564.00	\$-
Hand Digging	0	\$-	\$-
Marked Improperly	17	\$104,212.00	\$1,715.00
No Ticket	25	\$65,368.00	\$450.00
Total	119	\$284,148.00	\$4,726.00

Penelec – Third Party Line Hit Incidents			
3rd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	61	\$157,831.00	\$493.00
Excavated in Tolerance	24	\$89,656.00	\$3,351.00
Excavation Inconsistent with Ticket Scope	0	\$-	\$-
Excavation Prior to Lawful Start Date	3	\$2,616.00	\$-
Expired Ticket	4	\$16,126.00	\$-
Hand Digging	1	\$5,163.00	\$-
Marked Improperly	27	\$125,001.00	\$6,193.00
No Ticket	31	\$83,755.00	\$29,248.00
Total	151	\$480,148.00	\$39,285.00

Penn Power – Third Party Line Hit Incidents			
3rd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	17	\$18,407.00	\$2,926.00
Excavated in Tolerance	6	\$3,421.00	\$154.00
Excavation Inconsistent with Ticket Scope	4	\$3,569.00	\$-
Excavation Prior to Lawful Start Date	2	\$275.00	\$0.00
Expired Ticket	3	\$5,185.00	\$-
Hand Digging	0	\$-	\$-
Marked Improperly	2	\$4,837.00	\$-
No Ticket	10	\$9,745.00	\$1,000.00
Total	44	\$45,439.00	\$4,080.00

West Penn – Third Party Line Hit Incidents			
3rd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	73	\$80,354.00	\$6,512.00
Excavated in Tolerance	19	\$22,743.00	\$950.00
Excavation Inconsistent with Ticket Scope	4	\$7,795.00	\$-
Excavation Prior to Lawful Start Date	2	\$2,091.00	\$-
Expired Ticket	2	\$1,239.00	\$-
Hand Digging	2	\$-	\$-
Marked Improperly	33	\$130,760.00	\$8,297.00
No Ticket	40	\$177,587.00	\$8,124.00
Total	175	\$422,569.00	\$23,883.00

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