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August 2, 2023

VIA E-FILING

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

Re: Joint 2nd 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 Joint 2nd Quarter 2023 Reliability Report – Public Version (“Joint Report”).

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 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**

Joint 2nd Quarter 2023 Reliability Report – :
Metropolitan Edison Company, :
Pennsylvania Electric Company :
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).

Service by electronic mail, as follows:

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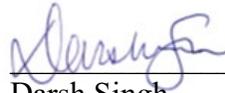
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Dated: August 2, 2023

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Pennsylvania Power Company and
West Penn Power Company



Joint 2023 2nd 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 2nd 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)

FirstEnergy Company	Customers Affected	Time and Duration of the Event		Cause of the Event	Commission Approval Status
Penelec	126,310	Duration	116 hours 45 minutes	Wind & Rain Event	June 14, 2023
		Start Date/Time	04/01/2023 0159		
		End Date/Time	04/05/2023 2244		
Penn Power	49,977	Duration	123 hours 31 minutes	Wind & Rain Event	June 14, 2023
		Start Date/Time	04/01/2023 1132		
		End Date/Time	04/06/2023 1503		
West Penn Power	111,285 ²	Duration	92 hours 9 minutes	Wind & Rain Event	June 15, 2023
		Start Date/Time	04/01/2023 1136		
		End Date/Time	04/05/2023 0745 ³		

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.

² The Major Event Exclusion Report filed on June 12, 2023 and subsequently approved on June 15, 2023 showed an end time of the event as April 4, 2023 at 22:00 affecting a total of 108,426 customers. The end time should have been reported as April 5, 2023 at 07:45. This end time change results in a new “Customers Affected” number of 111,285 customers affected and a total CMI of 61,088,108.

³ See footnote number 2 above.

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

2Q 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	1.19	1.26	1.52	1.66	1.12	1.34	.82	1.05	1.26	1.10
CAIDI	117	140	155.32	117	141	190.49	101	121	117.40	170	204	253.96
SAIDI	135	194	185.05	148	213	316.57	113	162	96.37	179	257	279.81
MAIFI⁴			0.305			0.627			0.015			
Customers Served⁵	576,866			578,664			167,557			726,396		
Number of Sustained Interruptions	12,517			16,780			3,232			14,136		
Customers Affected	687,267			961,692			137,543			800,342		
Customer Minutes	106,746,650			183,188,540			16,147,141			203,255,894		
Number of Customer Momentary Interruptions	175,804			363,352			2,439					

⁴ MAIFI values are not available for West Penn.

⁵ Represents the average number of customers served during the reporting period.

Unique Events Occurring in 2Q 2023:

Met-Ed

- Beginning Saturday, April 1, 2023, a weather system producing rain and strong winds, moved through Pennsylvania including the Met-Ed service territory. Wind gusts up to 54 miles per hour were experienced in the Met-Ed service territory. Approximately 60.9% of the total outages were tree related. The reliability impact of the storm was 7.8 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 241.5 minutes.
- Beginning the early after of Saturday, April 22, 2023, a weather system moved through Pennsylvania including the Met-Ed service territory. The system produced thunderstorms, with wind gusts exceeding 57 miles per hour. Approximately, 62% of the total outages that occurred were tree related. The reliability impact of the storm was 11⁶ minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 520.2 minutes.

Penelec

- Beginning Saturday, April 1, 2023, a weather system producing rain and strong winds, moved through Pennsylvania including the Penelec service territory. Wind gusts up to 58 miles per hour were experienced in the Penelec service territory and portions of service territory received up to 1.5 inches of rain. Wind Gusts up to 30 miles per hour continued in southwestern districts on Sunday, April 2. Approximately 52% of the total outages that occurred were tree related. The reliability impact of the storm was 152.9 minutes of SAIDI, 0.20 of SAIFI, and an overall storm CAIDI of 769.99 minutes.
- Beginning the early after of Sunday, May 7, 2023, a broken crossarm brace caused phases to wrap together on the 46 kv line that runs through Altoona, Blair County, PA. The transmission line tripped causing the outage. Restorations efforts were delayed due to access issues at the location of the pole. The reliability impact of the storm was 2.9 minutes of SAIDI, 0.01 of SAIFI, and an overall storm CAIDI of 316.97 minutes.

Penn Power

- Beginning Saturday, April 1, 2023, a weather system producing rain and strong winds, moved through Pennsylvania including the Penn Power service territory. Wind gusts up to 76 miles per hour were experienced in the Penn Power service territory. Approximately 69% of the total outages that occurred were tree related. The reliability impact of the storm was 286 minutes of SAIDI, 0.30 of SAIFI, and an overall storm CAIDI of 959.1 minutes.

⁶ Results for Met-Ed's Unique Event for April 22, 2023 submitted on May 8, 2023 are updated for SAIDI and SAIFI from originally reported as .1 minutes of SAIDI to 11 minutes and SAIFI .0001 to .02.

West Penn Power

- Beginning the morning of Saturday, April 1, 2023, a severe windstorm moved through Pennsylvania including the West Penn service territory. The system produced rain and wind gusts exceeding 60 miles per hour. Wind gusts continued to affect the West Penn service territory during the restoration period with gusts in excess of 50 miles per hour on April 2, 2023. Approximately, 55% of the total outages that occurred were tree related. The reliability impact of the storm was 84.2⁷ minutes of SAIDI, 0.15 of SAIFI, and an overall storm CAIDI of 548.93 minutes.

⁷ Results for West Penn Power's Unique Event for April 1, 2023 submitted on April 18, 2023 are updated for SAIDI and CAIDI from originally reported as 82.7 minutes of SAIDI to 84.2 minutes and CAIDI from 553.66 to 548.93. These errors were discovered in preparation of this 2Q, a revised 67.1 and MER will be filed and are forthcoming.

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				
2nd Quarter 2023 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees Off Row-Tree	41,534,404	2815	165,369	38.91%
Equipment Failure	18,705,948	2214	121,829	17.52%
Trees Off Row-Limb	8,179,464	1003	41,248	7.66%
Vehicle	7,517,532	380	54,166	7.04%
Forced Outage	7,107,629	621	90,364	6.66%
Unknown	6,938,400	1476	79,231	6.50%
Line Failure	4,102,296	597	19,747	3.84%
Animal	2,645,256	1585	34,324	2.48%
Wind	1,902,557	84	5,193	1.78%
Human Error - Company	1,844,625	57	33,723	1.73%
Lightning	1,710,309	139	7,352	1.60%
Trees On Row	1,460,384	181	5,120	1.37%
Bird	1,004,616	662	11,715	0.94%
Trees - Sec/Service	764,948	438	1,964	0.72%
Human Error -Non-Company	501,406	69	4,375	0.47%
Object Contact With Line	385,200	51	4,942	0.36%
Overload	145,040	56	1,196	0.14%
Ice	117,398	12	679	0.11%
Customer Equipment	61,450	21	3,985	0.06%
Ug Dig-Up	51,463	29	242	0.05%
Other Electric Utility	26,645	11	63	0.02%
Previous Lightning	13,875	5	52	0.01%
Other Utility-Non Elec	12,464	2	340	0.01%
Fire	7,061	5	35	0.01%
Vandalism	5,377	3	6	0.01%
Contamination	903	1	7	0.00%
Total	106,746,650	12,517	687,267	100%

Proposed Solutions – Met-Ed

Met-Ed analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 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”) programs⁸ 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, including the addition of distribution wood pole treatment program. Equipment identified is repaired or replaced as appropriate.

Met-Ed reviews vehicle caused outages to determine if it is a repeat location warranting remedial action, which could include modifying attachment height for communications, installing a taller pole, relocating the pole, or installing sectionalizing equipment to minimize customer impact.

Outages by Cause – Penelec

⁸ 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. Met-Ed, West Penn, Penn Power and Penelec (collectively, the “Companies”) submitted their Biennial Inspection, Maintenance, Repair and Replacement Plan for the period January 1, 2023 through December 31, 2024 on April 28, 2023, which was approved July 17, 2023 pursuant to 52 Pa. Code § 57.198(i).

Outage by Cause				
2nd Quarter 2023 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	68,140,821	3197	230,874	37.20%
Equipment Failure	31,770,171	2903	228,239	17.34%
Wind	18,600,433	263	30200	10.15%
Line Failure	10,981,577	1750	77,146	5.99%
Unknown	10,830,292	2267	100,620	5.91%
Forced Outage	9,107,555	1288	90,614	4.97%
Trees Off Row-Limb	7,534,321	536	26,731	4.11%
Vehicle	7,089,226	542	53,653	3.87%
Lightning	6,261,779	481	25,790	3.42%
Animal	3,825,669	1605	32,994	2.09%
Ice	3,396,374	117	15,357	1.85%
Bird	1,042,837	512	10,971	0.57%
Trees - Sec/Service	1,002,751	787	2,596	0.55%
Trees On Row	762,596	72	1,744	0.42%
Other Electric Utility	514,757	81	1,942	0.28%
Human Error -Non-Company	489,694	73	5,948	0.27%
Overload	450,774	28	3,968	0.25%
Human Error - Company	384,802	67	14,685	0.21%
Object Contact With Line	342,388	39	1,584	0.19%
Fire	195,947	18	1,060	0.11%
Ug Dig-Up	186,574	69	633	0.10%
Vandalism	178,712	25	3,333	0.10%
Customer Equipment	37,542	10	297	0.02%
Other Utility-Non Elec	34,603	3	105	0.02%
Contamination	13,957	34	133	0.01%
Previous Lightning	6,354	12	44	0.00%
Switching Error	6,034	1	431	0.00%
Total	183,188,540	16,780	961,692	100%

Proposed Solutions – Penelec

Penelec analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 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 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. 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 inspection and maintenance ("I&M") programs⁹ 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 including the addition of distribution wood pole treatment program. Equipment identified is repaired or replaced as appropriate. Equipment identified is repaired or replaced as appropriate.

⁹ 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. Met-Ed, West Penn, Penn Power and Penelec (collectively, the "Companies") submitted their Biennial Inspection, Maintenance, Repair and Replacement Plan for the period January 1, 2023 through December 31, 2024 on March, which was approved July 17, 2023 pursuant to 52 Pa. Code § 57.198(i).

Outages by Cause – Penn Power

Outage by Cause				
2nd Quarter 2023 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	5,639,424	654	34,255	34.93%
Equipment Failure	2,116,251	361	22,538	13.11%
Line Failure	1,900,985	388	11,957	11.77%
Vehicle	1,786,605	121	12,906	11.06%
Trees Off Row-Limb	1,237,778	270	15,176	7.67%
Lightning	902,865	185	6,949	5.59%
Animal	787,934	418	9,369	4.88%
Unknown	598,840	165	8,287	3.71%
Forced Outage	501,845	73	10,068	3.11%
Bird	444,778	408	4,734	2.75%
Trees - Sec/Service	90,093	120	277	0.56%
Wind	47,467	6	12	0.29%
Human Error - Company	16,119	3	446	0.10%
Overload	15,770	13	170	0.10%
Other Electric Utility	15,470	1	70	0.10%
Ug Dig-Up	11,738	12	103	0.07%
Human Error -Non-Company	10,212	14	73	0.06%
Ice	6,783	2	21	0.04%
Trees On Row	5,372	3	15	0.03%
Fire	4,278	3	23	0.03%
Object Contact With Line	3,974	5	53	0.02%
Previous Lightning	2,001	4	36	0.01%
Customer Equipment	452	2	4	0.00%
Vandalism	107	1	1	0.00%
Total	16,147,141	3,232	137,543	100%

Proposed Solutions – Penn Power

Penn Power analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 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 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. 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 inspection and maintenance ("I&M") programs¹⁰ 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 including the addition of distribution wood pole treatment program. Equipment identified is repaired or replaced as appropriate. Equipment identified is repaired or replaced as appropriate.

¹⁰ 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. Met-Ed, West Penn, Penn Power and Penelec (collectively, the "Companies") submitted their Biennial Inspection, Maintenance, Repair and Replacement Plan for the period January 1, 2021 through December 31, 2022 on October 1, 2019, which was approved July 17, 2023 pursuant to 52 Pa. Code § 57.198(i).

Outages by Cause – West Penn

Outage by Cause				
2nd Quarter 2023 12-Month Rolling	West Penn			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees Off Row-Tree	104,590,595	3,813	222,505	51.46%
Unknown	22,218,811	1,666	123,834	10.93%
Equipment Failure	19,829,386	2,100	117,964	9.76%
Line Failure	19,007,137	1,611	82,678	9.35%
Vehicle	9,055,995	489	58,883	4.46%
Forced Outage	8,263,958	878	95,497	4.07%
Trees Off Row-Limb	5,086,376	436	23,153	2.50%
Wind	4,519,510	214	11,396	2.22%
Trees On Row	4,181,894	283	10,373	2.06%
Animal	2,108,023	1,426	26,343	1.04%
Lightning	709,054	124	4,969	0.35%
Bird	565,064	476	5,918	0.28%
Human Error -Non-Company	563,118	70	5,035	0.28%
Trees - Sec/Service	526,706	363	933	0.26%
Object Contact With Line	405,017	52	2,798	0.20%
Other Electric Utility	397,354	9	1,170	0.20%
Previous Lightning	312,757	2	1,403	0.15%
Ice	299,889	13	279	0.15%
Fire	274,543	21	1,755	0.14%
Ug Dig-Up	220,824	42	927	0.11%
Human Error - Company	84,083	20	2,403	0.04%
Other Utility-Non Elec	13,050	5	40	0.01%
Overload	10,736	10	40	0.01%
Contamination	6,352	1	16	0.00%
Customer Equipment	4,312	8	20	0.00%
Vandalism	1,350	4	10	0.00%
Total	203,255,894	14,136	800,342	100%

Proposed Solutions – West Penn

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

To reduce the likelihood of equipment and line failures, West Penn follows maintenance ("I&M") programs¹¹ 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 including the addition of distribution wood pole treatment program. Equipment identified is repaired or replaced as appropriate. Equipment identified is repaired or replaced as appropriate.

¹¹ 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. Met-Ed, West Penn, Penn Power and Penelec (collectively, the "Companies") submitted their Biennial Inspection, Maintenance, Repair and Replacement Plan for the period January 1, 2021 through December 31, 2022 on October 1, 2019, which was approved July 23, 2023 pursuant to 52 Pa. Code § 57.198(i).

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		
2023		Planned	Completed		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD
Forestry	Transmission (Miles)	283	190.8	67.4%	372	275.1	73.9%	78	22.8	29.3%	533	280.5	52.6%
	Distribution (Miles)	2,605	1,427	54.8%	3,438	1,548	45%	1,121	593.4	52.9%	4,203	2,403.8	57.2%
Transmission	Aerial Patrols	2	1	50%	2	1	50%	2	1	50%	2	1	50%
	Groundline	2,246	40	1.8%	2,398	0.0	0.0%	0	0.0	-	1,591	523	32.9%
Substation	Substation Inspections Class A	418	209	50.0%	780	391	50.1%	148	74.0	50.0%	936	468	50.0%
	Substation Inspections Class B	418	209	50%	780	391	50.1%	148	74	50%	936	936	100%
	Substation Inspections Class C	1,672	836	50%	3,120	1564	50.1%	592	296	50%	3,744	1,872	50%
	Transformers	157	106	67.5%	432	320	74.1	11	6	54.5%	382	273	71.5%
	Breakers	63	40	63.5%	366	206	56.3%	7	1	14.3%	387	178	46%
	Relay Schemes	138	50	36.2%	276	193	69.9%	22	21	95.5%	159	17	10.7%
Distribution	Capacitors	4,864	4,864	100.0%	8,646	8,647	100%	318	319	100.0%	1,310	1,310.0	100.0%
	Poles	49,000	21,194	43.3%	41,590	39,752	95.6%	9,687	239	2.5%	53,746	15,824	29.4%
	Reclosers	1,526	1,218	79.8%	2,607	2,501	95.9%	1,073	1,070	99.7%	4,128	3,966	96.1%
	Radio-Controlled Switches	1,566	767	49%	2,628	1,322	50.3%	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 Expenditures¹²

Met-Ed						
T&D O&M – 2Q / YTD June 2023 (\$)						
Transmission						
Category	2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget	
560	Operation Supervision and Engineering	0	0	0	0	0
561	Load Dispatching	11,205	4,207	-1,401	9,114	18,228
562	Station Expenses	1,252	1,064	3,095	2,127	4,255
563	Overhead Lines Expenses	14,773	10,895	42,921	21,791	43,581
565	Transmission of Electricity by Others	3,154,813	2,982,592	6,014,927	5,965,184	11,930,368
566	Miscellaneous Transmission Expenses	2,742	-10,664	-1,019	-22,757	-49,026
567	Rents	0	0	0	0	0
568	Maintenance Supervision and Engineering	2,961	0	3,584	0	0
569	Maintenance of Structures	1,188	0	2,431	0	0
570	Maintenance of Station Equipment	60,224	78,070	129,035	155,493	308,990
571	Maintenance of Overhead Lines	38,565	-7,762	70,587	-15,439	-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		3,287,723	3,058,402	6,264,160	6,115,513	12,226,073
Distribution						
Category	2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget	
580	Operation Supervision and Engineering	390,116	311,770	846,408	664,020	1,342,390
581	Load Dispatching	61,837	76,103	128,662	154,752	307,177
582	Station Expenses	263,952	159,120	362,071	319,399	675,233
583	Overhead Line Expenses	207,560	138,227	338,205	293,988	594,649
584	Underground Line Expenses	1,500	0	1,500	0	0
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	161,821	145,571	330,127	307,858	635,231
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	2,493,204	2,584,666	5,290,984	5,237,056	11,113,201
589	Rents	121,874	124,414	281,902	248,828	497,655
590	Maintenance Supervision and Engineering	173,877	125,378	353,505	277,302	526,105
591	Maintenance of Structures	5	619	26	1,237	2,475
592	Maintenance of Station Equipment	1,077,468	1,238,228	2,628,131	2,874,378	5,423,142
593	Maintenance of Overhead Lines	12,742,417	14,329,725	26,104,511	28,489,848	56,321,346
594	Maintenance of Underground Lines	637,750	801,306	1,230,848	1,393,551	2,699,020
595	Maintenance Line Transformer	50,305	2,642	91,279	5,284	10,569
596	Maintenance of Street Lighting and Signal Systems	251,558	112,486	628,069	218,814	433,434
597	Maintenance of Meters	542,249	508,733	997,195	989,924	1,950,075
598	Maintenance of Miscellaneous Distribution Plant	123,698	329,410	509,367	641,774	1,115,525
Distribution Total		19,301,191	20,988,398	40,122,790	42,118,013	83,647,227
Met-Ed Total		22,588,914	24,046,800	46,386,950	48,233,526	95,873,300

¹² Budgets are subject to change.

Penelec						
T&D O&M – 2Q / YTD June 2023 (\$)						
Transmission						
Category	2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget	
560	Operation Supervision and Engineering	0	0	0	0	0
561	Load Dispatching	-38,215	14,006	-38,215	30,254	60,507
562	Station Expenses	8,480	-6,839	25,206	-13,678	-27,357
563	Overhead Lines Expenses	6,349	-6,836	50,870	-13,381	-26,983
564	Transmission-Underground Line Expenses	0	0	137	0	0
565	Transmission of Electricity by Others	11,868,914	12,351,003	23,759,750	24,702,005	49,404,011
566	Miscellaneous Transmission Expenses	0	0	-996	0	0
567	Rents	0	0	0	0	0
568	Maintenance Supervision and Engineering	3,562	0	4,099	0	-1
569	Maintenance of Structures	0	0	0	0	0
570	Maintenance of Station Equipment	124,625	0	210,415	0	0
571	Maintenance of Overhead Lines	107,001	-8,530	161,776	-16,968	-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		12,080,716	12,342,804	24,173,042	24,688,232	49,376,852
Distribution						
Category	2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget	
580	Operation Supervision and Engineering	410,099	403,495	832,096	866,695	1,726,824
581	Load Dispatching	107,411	78,722	229,631	164,519	331,654
582	Station Expenses	295,945	0	488,484	0	0
583	Overhead Line Expenses	67,357	71,180	130,667	204,646	377,810
584	Underground Line Expenses	401,173	375,513	634,833	598,527	1,215,000
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	241,246	232,092	544,267	481,030	961,647
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	3,144,019	3,072,069	7,098,327	6,402,407	13,441,323
589	Rents	877,933	690,152	1,737,845	1,185,586	2,485,642
590	Maintenance Supervision and Engineering	213,738	137,812	423,064	304,814	578,298
591	Maintenance of Structures	0	0	0	0	0
592	Maintenance of Station Equipment	1,952,317	1,718,237	3,979,453	3,610,143	7,330,556
593	Maintenance of Overhead Lines	17,936,881	13,142,429	31,041,130	25,345,402	53,237,238
594	Maintenance of Underground Lines	351,812	255,896	698,925	420,742	1,126,375
595	Maintenance Line Transformer	43,952	0	79,751	0	0
596	Maintenance of Street Lighting and Signal Systems	385,031	319,383	943,485	658,609	1,435,037
597	Maintenance of Meters	717,108	876,770	1,480,885	1,788,111	3,563,459
598	Maintenance of Miscellaneous Distribution Plant	66,509	-35,850	205,288	-70,350	-142,150
Distribution Total		27,212,531	21,337,900	50,548,131	41,960,881	87,668,713
Penelec Total		39,293,247	33,680,704	74,721,173	66,649,113	137,045,565

Penn Power						
T&D O&M – 2Q / YTD June 2023 (\$)						
Transmission						
Category		2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget
560	Operation Supervision and Engineering	309	621	661	1,337	2,863
561	Load Dispatching	2,977	2,767	5,227	5,959	12,758
562	Station Expenses	886	0	1,214	0	0
563	Overhead Lines Expenses	760	0	760	0	0
565	Transmission of Electricity by Others	1,139,378	1,251,579	2,269,274	2,503,157	5,006,315
566	Miscellaneous Transmission Expenses	0	0	0	0	0
567	Rents	0	0	0	0	0
568	Maintenance Supervision and Engineering	6,754	5,249	10,687	11,185	23,587
569	Maintenance of Structures	9,328	486	20,200	2,062	14,078
570	Maintenance of Station Equipment	8,092	762	16,430	1,524	3,047
571	Maintenance of Overhead Lines	17,898	-4,454	21,842	-9,075	-17,958
572	Maintenance of Underground Lines	0	0	0	0	0
573	Maintenance of Miscellaneous Transmission Plant	171	0	697	0	0
575	Market Administration, Monitoring & Compliance Services	0	0	0	0	0
Transmission Total		1,186,553	1,257,010	2,346,992	2,516,149	5,044,690
Distribution						
Category		2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget
580	Operation Supervision and Engineering	81,458	194,324	181,481	397,759	799,393
581	Load Dispatching	0	0	0	0	0
582	Station Expenses	57,572	15,000	88,741	30,000	60,000
583	Overhead Line Expenses	25,655	30,496	46,015	65,971	133,838
584	Underground Line Expenses	-1,699,117	239,377	-1,088,524	478,753	957,506
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	16,463	13,607	34,780	28,081	57,074
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	266,013	337,525	574,480	685,510	1,393,312
589	Rents	9,173	9,275	18,727	18,503	37,425
590	Maintenance Supervision and Engineering	56,722	35,749	106,329	79,025	149,963
591	Maintenance of Structures	0	0	0	0	0
592	Maintenance of Station Equipment	190,441	210,805	497,229	459,288	919,918
593	Maintenance of Overhead Lines	15,224,238	4,176,186	22,474,004	8,382,537	17,089,280
594	Maintenance of Underground Lines	78,418	67,632	176,260	141,315	287,650
595	Maintenance Line Transformer	5,042	0	12,184	0	0
596	Maintenance of Street Lighting and Signal Systems	14,653	12,373	62,006	24,676	49,995
597	Maintenance of Meters	166,895	139,420	336,747	276,404	563,288
598	Maintenance of Miscellaneous Distribution Plant	118,581	-18,675	281,896	-22,991	80,468
Distribution Total		14,612,207	5,463,094	23,802,355	11,044,831	22,579,110
Penn Power Total		15,798,760	6,720,104	26,149,347	13,560,980	27,623,800

West Penn						
T&D O&M – 2Q / YTD June 2023 (\$)						
Transmission						
Category		2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget
560	Operation Supervision and Engineering	36,674	37,314	76,388	72,276	158,192
561	Load Dispatching	124,960	260,263	461,323	553,308	1,116,432
562	Station Expenses	184,100	26,395	414,173	56,621	136,412
563	Overhead Lines Expenses	47,113	6,500	529,451	81,000	81,000
565	Transmission of Electricity by Others	16,061,973	18,540,459	31,137,201	37,080,919	74,161,837
566	Miscellaneous Transmission Expenses	927,272	101,706	689,042	202,887	409,958
567	Rents	154,883	239,455	309,654	478,910	957,820
568	Maintenance Supervision and Engineering	326,189	181,371	648,277	389,970	790,538
569	Maintenance of Structures	10,513	12	14,754	1,001	12,584
570	Maintenance of Station Equipment	926,768	1,029,846	1,898,025	1,894,531	4,205,302
571	Maintenance of Overhead Lines	6,373,299	5,479,232	10,886,477	9,283,809	20,023,908
572	Maintenance of Underground Lines	195	0	429	0	0
573	Maintenance of Miscellaneous Transmission Plant	-140,796	84,861	565,508	177,222	373,340
575	Market Administration, Monitoring & Compliance Services	722	0	1,621	0	0
Transmission Total		25,033,865	25,987,414	47,632,323	50,272,454	102,427,323
Distribution						
Category		2Q Actuals	2Q Budget	YTD Actuals	YTD Budget	Annual Budget
580	Operation Supervision and Engineering	543,913	350,206	1,173,227	754,881	1,519,145
581	Load Dispatching	75,684	156,496	127,986	344,882	660,155
582	Station Expenses	345,900	227,198	954,035	500,850	1,011,129
583	Overhead Line Expenses	23,809	421,843	132,858	864,441	1,736,783
584	Underground Line Expenses	584,058	460,165	990,468	920,331	1,840,661
585	Distribution-Street Lighting & Signal System Expenses	0	0	0	0	0
586	Meter Expenses	247,585	228,533	577,790	475,125	982,204
587	Customer Installations Expenses	0	0	0	0	0
588	Miscellaneous Distribution Expenses	2,618,147	3,553,070	5,751,041	7,606,811	15,811,039
589	Rents	0	0	0	0	0
590	Maintenance Supervision and Engineering	256,744	258,183	585,231	564,984	1,114,949
591	Maintenance of Structures	0	0	0	0	0
592	Maintenance of Station Equipment	1,787,035	2,112,260	4,304,642	4,519,681	9,093,098
593	Maintenance of Overhead Lines	13,404,511	12,531,165	32,076,019	24,759,336	50,033,494
594	Maintenance of Underground Lines	295,001	245,581	635,912	477,528	968,323
595	Maintenance Line Transformer	44,826	0	87,938	0	0
596	Maintenance of Street Lighting and Signal Systems	128,009	145,140	500,991	287,944	576,874
597	Maintenance of Meters	414,187	526,545	819,385	1,132,543	2,267,471
598	Maintenance of Miscellaneous Distribution Plant	43,001	-92,369	60,989	-180,605	-319,022
Distribution Total		20,812,410	21,124,016	48,778,512	43,028,732	87,296,303
West Penn Power Total		45,846,275	47,111,430	96,410,835	93,301,186	189,723,626

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

Budgeted vs. Actual T&D Operation & Maintenance Expenditures¹³

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 – 2Q / YTD June 2023 (\$)					
Category	1Q Actuals	1Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	2,832,879	9,362,070	4,223,074	15,747,732	29,352,522
Condition	2,215,502	2,280,045	3,359,177	4,253,716	9,193,140
Facilities	1,378,545	2,339,050	1,665,749	2,547,179	9,900,249
Forced	11,092,523	13,994,966	22,666,355	26,367,720	54,319,046
Meter Related	244,358	429,095	630,189	885,311	1,712,865
New Business	4,729,339	4,694,826	10,425,054	9,488,317	19,775,682
Other	-535,524	-4,869,138	1,267,084	-9,886,935	-20,011,088
Reliability	11,260,441	9,748,201	20,054,064	21,507,486	35,896,141
Street Light	481,327	299,400	801,849	600,620	1,242,634
Tools & Equipment	909,095	825,956	1,824,921	1,785,265	3,559,487
Vegetation Management	1,129	0	1,116	0	0
Met-Ed Total	34,609,614	39,104,471	66,918,632	73,296,411	144,940,678

Penelec					
T&D Capital – 2Q / YTD June 2023 (\$)					
Category	1Q Actuals	1Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	-1,849,509	20	-2,170,833	223	223
Condition	2,069,146	2,184,823	4,307,681	4,872,603	10,090,039
Facilities	243,909	1,069,875	518,212	1,075,595	3,792,967
Forced	14,106,649	15,371,677	28,435,104	28,426,384	59,638,275
Meter Related	282,582	187,142	661,277	339,175	718,851
New Business	3,816,852	4,162,110	8,159,327	7,899,096	15,595,654
Other	3,189,603	513,937	3,630,253	2,554,210	174,706
Reliability	15,391,073	13,122,762	33,338,084	20,382,384	48,946,613
Street Light	611,199	1,131,939	1,561,644	2,029,125	4,055,162
Tools & Equipment	1,336,655	783,382	2,344,797	1,592,592	4,015,225
Vegetation Management	0	0	0	0	0
Penelec Total	39,198,159	38,527,667	80,785,546	69,171,387	147,027,715

¹³ Budgets are subject to change.

Penn Power					
T&D Capital – 2Q / YTD June 2023 (\$)					
Category	1Q Actuals	1Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	-351,567	39,062	-279,223	77,865	156,911
Condition	346,654	238,315	695,944	487,740	1,175,619
Facilities	56,189	210,898	165,606	208,906	949,477
Forced	3,149,451	3,815,941	6,739,095	7,100,737	14,261,143
Meter Related	131,778	169,029	211,342	339,576	688,364
New Business	1,037,493	1,494,841	2,608,425	3,222,360	7,103,818
Other	2,061,001	564,723	1,212,725	417,937	1,863,323
Reliability	4,678,719	3,164,386	9,086,050	6,948,458	11,830,203
Street Light	105,656	164,114	284,480	327,847	659,144
Tools & Equipment	213,228	243,042	584,080	521,827	1,087,606
Vegetation Management	0	5,052	0	10,103	20,206
Penn Power Total	11,428,602	10,109,403	21,308,524	19,663,356	39,795,814

West Penn					
T&D Capital – 2Q / YTD June 2023 (\$)					
Category	1Q Actuals	1Q Budget	YTD Actuals	YTD Budget	Annual Budget
Capacity	2,376,558	2,353,801	4,135,181	23,863	11,276,358
Condition	11,364,582	10,150,352	22,140,186	21,315,723	38,424,156
Facilities	1,519,626	4,124,598	2,082,333	6,665,557	19,799,540
Forced	14,016,489	15,092,862	30,784,482	30,192,157	57,720,238
Meter Related	213,078	445,043	533,745	905,394	1,811,368
New Business	5,714,676	7,128,552	13,212,273	18,011,116	26,787,097
Other	2,504,831	-1,819,696	1,750,248	-5,205,087	-7,617,981
Reliability	20,840,541	14,801,028	38,746,086	31,045,169	68,106,546
Street Light	702,625	480,768	1,510,429	1,014,507	2,030,078
Tools & Equipment	1,247,684	985,534	2,283,249	2,036,359	4,115,807
Vegetation Management	-2,008	0	-2,008	0	0
West Penn Total	60,498,682	53,742,842	117,176,204	106,004,758	222,453,207

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).¹⁴

Staffing Levels

Met-Ed 2023												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2024
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other ¹⁵	Retirement	Voluntary Separation	Other ¹⁶	
Distribution	Line Leader	45	44						1			
	Line Troubleshooter	33	34									
	Lineman	146	158				23	1	1	1	1	
Substation	Substation Leader	14	14									
	Substation Employee	61	65				15		1	1	1	
Transmission	Line Leader	2	2									
	Lineman	10	10									
Total		311	327				38	1	3	2	2	

¹⁴ 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.

¹⁵ Includes transfers and promotions.

¹⁶ Includes transfers, voluntary separations, and promotions.

¹² Hiring plan to be provided annually in the 4Q report.

Penelec 2023												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other ¹⁷	Retirement	Voluntary Separation	Other ¹⁸	Plan to Hire in 2024
Distribution	Line Leader	58	57					1	2			
	Line Troubleshooter	78	78			1					1	
	Lineman	130	147				19	27		3	26	
Substation	Substation Leader	27	28					2			1	
	Substation Employee	47	50				4	9	1		9	
Transmission	Line Leader	5	5									
	Lineman	18	18									
Total		363	383			1	23	39	3	3	37	

¹³ Includes transfers and promotions.

¹⁴ Includes transfers, involuntary separations, and promotions.

Penn Power 2023												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other ¹⁹	Retirement	Voluntary Separation	Other ²⁰	Plan to Hire in 2024
Distribution	Line Leader	23	23									
	Line Troubleshooter	12	13					1				
	Lineman	43	46				5	3			5	
Substation	Substation Leader	4	4									
	Substation Employee	17	16				1		0		2	
Transmission	Line Leader	1	1									
	Lineman	5	6			1						
Total		105	109			1	6	4	0		7	

¹⁵ Includes transfers, promotions, and promotions within a position.

¹⁶ Includes transfers, involuntary separations, promotions, and promotions within a position.

West Penn 2023												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other ²¹	Retirement	Voluntary Separation	Other ²²	Plan to Hire in 2024
Distribution	Line Leader	64	66					4	1		1	
	Line Troubleshooter	56	55					1	1		1	
	Lineman	138	144			1	14		1		8	
Substation	Substation Leader	22	21								1	
	Substation Employee	70	76				6	1	1			
Transmission	Line Leader	1	1									
	Lineman	9	9									
Total		360	372			1	20	6	4		11	

¹⁷ Includes transfers, promotions, and promotions within a position.

¹⁸ Includes transfers, involuntary separations, promotions, and promotions within a position.

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	Painted Sky	00650-1	Reading	1784	32	0	1,633,040	3,981	2.83	915.895	2.233	410.2085	1.001
2	No Bangor	00826-3	Easton	3211	118	0	1,513,717	10,673	2.62	456.764	3.221	141.8268	0.344
3	Lynnville Sub	00737-1	Hamburg	1079	94	0	1,453,658	4,030	2.52	1344.735	3.728	360.7092	1.909
4	Barto Sub	00706-1	Boyertown	2974	196	0	1,408,241	5,357	2.44	470.354	1.789	262.8787	0.053
5	Ottsville Sub	00660-3	Easton	872	82	1	1,391,824	3,872	2.41	1597.961	4.445	359.4587	1.001
6	Bern Church Sub	00789-1	Reading	1452	82	0	1,237,208	2,037	2.14	850.315	1.400	607.3677	0.000
7	Lyons Sub	00729-1	Reading	1305	115	0	1,193,295	3,947	2.07	898.566	2.972	302.3296	0.397
8	No Bangor	00813-3	Easton	1357	55	0	1,115,308	3,409	1.93	822.499	2.514	327.1657	0.000
9	Carsonia Sub	00764-1	Reading	2994	75	1	1,107,813	8,612	1.92	382.268	2.972	128.636	1.619
10	Glendon	00818-3	Easton	1640	10	0	1,096,198	2,841	1.90	669.230	1.734	385.8493	0.140
11	S Hamb Sub	00740-1	Hamburg	1276	64	0	1,046,925	4,278	1.81	820.474	3.353	244.723	0.000
12	Walker Sub	00865-3	Stroudsburg	2911	74	0	1,046,700	5,304	1.81	359.320	1.821	197.3416	0.727
13	N Cornwall Sub	00610-2	Lebanon	2366	55	3	1,001,031	8,040	1.74	432.411	3.473	124.5063	0.135
14	Snydersville Sub	00621-3	Stroudsburg	1286	49	0	997,389	2,225	1.73	780.430	1.741	448.2647	0.993
15	W Boyertown Sub	00714-1	Boyertown	1885	59	1	949,650	5,029	1.65	505.940	2.679	188.8348	0.000
16	Huffs Church	00600-1	Boyertown	1534	127	0	894,510	3,383	1.55	595.943	2.254	264.4132	0.588
17	Bath Sub	00873-3	Easton	2138	52	0	867,252	6,935	1.50	406.207	3.248	125.0544	1.046
18	Bernville Sub	00787-1	Hamburg	1842	66	0	851,306	3,486	1.48	457.445	1.873	244.2071	0.398
19	Mountain Sub	00743-4	Dillsburg	1032	24	0	840,633	1,518	1.46	815.357	1.472	553.7767	0.000
20	Mountain Sub	00744-4	Dillsburg	1866	52	1	832,975	3,210	1.44	446.635	1.721	259.4938	0.390
21	River View Sub	00793-1	Reading	3175	41	1	801,314	5,478	1.39	251.986	1.723	146.2786	0.105
22	Birdsboro	00757-1	Reading	1979	72	1	759,543	3,326	1.32	382.256	1.674	228.3653	1.145
23	Shawnee Sub	00899-3	Stroudsburg	1677	73	0	738,976	4,203	1.28	440.654	2.506	175.8211	2.138
24	Wind Gap Sub	00600-3	Easton	1373	24	0	705,785	2,032	1.22	513.298	1.478	347.3351	0.000
25	Delabole Sub	00034-3	Easton	801	3	1	679,802	1,634	1.18	846.578	2.035	416.0355	0.000
26	Windsor	00797-4	York	1540	72	1	678,981	4,538	1.18	441.183	2.949	149.6212	0.403
27	McKnights Gap Sub	00773-1	Reading	2006	67	0	651,554	4,590	1.13	542.058	3.819	141.9508	0.684

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
28	Angelica Sub	00129-1	Reading	701	31	2	650,698	2,496	1.13	922.976	3.540	260.6963	0.000
29	Gardners	00752-4	Gettysburg	1520	81	1	645,469	4,197	1.12	424.371	2.759	153.7929	0.470
30	W Boyertown Sub	00715-1	Boyertown	1699	56	0	635,998	3,309	1.10	374.778	1.950	192.2025	0.460
31	Barto Sub	00705-1	Boyertown	655	78	1	633,623	1,694	1.10	965.889	2.582	374.0396	0.963
32	Bushkill Falls	00698-3	Stroudsburg	1756	33	1	615,683	2,753	1.07	350.417	1.567	223.6408	0.000
33	Carsonia Sub	00766-1	Reading	816	45	0	607,128	1,763	1.05	744.029	2.161	344.3721	0.411
34	Stroudsburg	00693-3	Stroudsburg	333	13	1	606,688	4,202	1.05	1821.886	12.619	144.3808	0.000
35	Raubsville St	00095-3	Easton	525	38	0	587,923	1,646	1.02	1117.724	3.129	357.1829	0.000
36	Birdsboro	00759-1	Reading	928	29	1	572,383	3,050	0.99	618.792	3.297	187.6666	0.000
37	Gilbert Sub -ME	00029-3	Easton	60	9	0	570,959	216	0.99	8783.985	3.323	2643.329	0.000
38	W Boyertown Sub	00484-1	Boyertown	909	38	0	564,210	2,148	0.98	620.011	2.360	262.6676	0.000
39	Birdsboro	00756-1	Reading	1530	79	0	561,171	4,131	0.97	367.259	2.704	135.8439	5.323

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Salix	00070-11	Johnstown	2188	36	0	2,711,708	5,492	4.69	1242.193	2.516	493.756	0.423
2	Warren South	00220-41	Warren	2827	82	0	1,800,344	7,625	3.11	638.873	2.706	236.1107	1.317
3	Union City	00239-43	Erie	783	38	4	1,641,782	3,849	2.84	2042.017	4.787	426.5477	0.460
4	N Meshoppen Tran	00534-65	Montrose	877	65	1	1,636,437	5,569	2.83	1952.789	6.646	293.8475	0.726
5	Seward	00075-11	Johnstown	891	48	1	1,575,017	7,567	2.72	1742.275	8.371	208.1429	2.364
6	Grover	00527-63	Towanda	1053	92	0	1,513,443	3,565	2.62	1435.904	3.382	424.5282	0.003
7	Saxton	00625-73	Altoona	573	20	0	1,355,464	4,028	2.34	1193.19	3.546	336.5104	0.000
8	Blairsville East	00080-13	Indiana	1016	38	0	1,349,377	6,629	2.33	1325.518	6.512	203.5566	1.378
9	Blairsville East	00082-13	Indiana	1564	44	0	1,229,902	3,379	2.13	788.9044	2.167	363.984	0.371
10	Tunkhannock	00533-65	Montrose	1241	71	0	1,203,627	4,036	2.08	968.3242	3.247	298.2227	3.017
11	Madera	00165-22	Philipsburg	1586	51	2	1,082,299	3,439	1.87	903.4215	2.871	314.7133	0.994
12	Salix	00071-11	Johnstown	1554	52	1	1,066,167	3,352	1.84	686.0792	2.157	318.0689	0.000
13	Youngsville	00257-41	Warren	1198	27	1	1,011,230	5,408	1.75	844.8037	4.518	186.9878	0.000
14	Montrose	00457-65	Montrose	578	40	2	995,721	3,884	1.72	1515.557	5.912	256.3648	1.791
15	Tiffany	00435-65	Montrose	1269	27	0	990,387	2,954	1.71	782.2962	2.333	335.2698	0.000
16	Grandview	00354-51	Oil City	522	38	2	958,376	2,484	1.66	1843.031	4.777	385.8196	0.098
17	Utica Junction	00331-51	Oil City	633	43	0	953,319	1,450	1.65	1501.29	2.283	657.4614	0.000
18	Logan	00700-81	Lewistown	1000	33	0	933,939	2,649	1.61	934.8739	2.652	352.5629	0.026
19	Madera	00166-22	Philipsburg	1712	74	0	929,317	5,379	1.61	435.2773	2.519	172.7676	0.171
20	Snakespring	00634-73	Altoona	1049	11	1	890,553	6,471	1.54	781.1868	5.676	137.6222	0.027
21	N Meshoppen Tran	00531-65	Montrose	684	58	1	880,727	5,512	1.52	1965.908	12.304	159.7836	0.064
22	Lenox	00755-65	Montrose	683	45	0	879,043	2,288	1.52	1290.812	3.360	384.1971	0.073
23	Tionesta	00344-51	Oil City	517	20	2	874,799	2,372	1.51	1695.347	4.597	368.8023	0.039
24	Oxbow	00555-65	Montrose	728	40	0	812,064	2,310	1.40	1113.942	3.169	351.5429	1.286
25	Grandview	00353-51	Oil City	860	27	0	791,061	2,303	1.37	919.8384	2.678	343.4915	0.058
26	North Warren	00596-41	Warren	1121	35	1	785,335	2,200	1.36	701.192	1.964	356.9705	2.798
27	East Towanda	00525-62	Towanda	627	48	0	773,904	2,552	1.34	1167.276	3.849	303.2539	0.219
28	Russell Hill	00282-65	Montrose	699	37	0	756,352	3,298	1.31	804.6298	3.509	229.3366	0.000

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Dubois	00131-23	Dubois	991	55	0	739,022	4,263	1.28	834.1106	4.812	173.3573	2.723
30	Utica Junction	00511-51	Oil City	395	47	0	721,597	2,774	1.25	1822.215	7.005	260.1287	0.005
31	Brookville	00125-23	Dubois	615	46	0	717,694	2,732	1.24	1168.883	4.450	262.6991	5.699
32	Elk Run	00622-23	Dubois	1013	37	0	714,743	3,589	1.24	705.5706	3.543	199.1482	0.000
33	Warren South	00219-41	Warren	320	26	0	704,486	1,493	1.22	2201.519	4.666	471.8593	1.994
34	Revloc	00069-72	Altoona	558	8	0	679,622	1,146	1.17	1220.147	2.057	593.0384	0.000
35	Emlenton	00322-51	Oil City	453	23	0	671,386	1,250	1.16	1482.088	2.759	537.1088	0.000
36	Thompson	00442-65	Montrose	652	32	0	647,543	2,798	1.12	987.1082	4.265	231.4307	1.006
37	Hepburnia	00778-21	Clearfield	665	27	0	646,299	1,760	1.12	971.8782	2.647	367.2153	0.000
38	Knox	00325-51	Oil City	973	23	4	634,622	4,217	1.10	652.9033	4.338	150.4913	0.000
39	Covington	00727-63	Mansfield Pa	263	29	0	634,091	838	1.10	2420.195	3.198	756.6718	0.000
40	Industrial Park	00796-65	Montrose	358	18	0	619,130	1,461	1.07	1719.806	4.058	423.7714	0.000
41	Laurel Lake Sub Tran	00448-65	Montrose	404	17	2	608,518	755	1.05	1709.32	2.121	805.9841	0.000
42	Titusville	00387-51	Oil City	626	25	0	596,466	2,114	1.03	954.3456	3.382	282.1504	0.018
43	Athens	00511-61	Towanda	813	32	1	563,976	2,341	0.97	736.2611	3.056	240.9124	0.705
44	Wyalusing	00532-62	Towanda	724	43	0	561,617	4,549	0.97	737.0302	5.970	123.4594	2.750
45	Lewis Run	00409-42	Bradford	733	29	0	561,171	2,641	0.97	775.0981	3.648	212.4843	0.145
46	Franklin	00307-51	Oil City	628	12	1	552,748	1,607	0.96	880.172	2.559	343.9627	0.000
47	Lowell Avenue	00518-31	Erie	899	27	0	547,069	4,744	0.95	629.5386	5.459	115.3181	0.033
48	Laurel Lake Sub Tran	00449-65	Montrose	521	35	1	546,105	1,267	0.94	1050.202	2.437	431.0221	2.708
49	Crown	00519-51	Oil City	663	37	0	529,879	2,349	0.92	824.0731	3.653	225.5764	0.000
50	Division Street	00561-31	Erie	359	6	0	529,052	1,073	0.91	1546.936	3.137	493.0587	0.000
51	Grandview	00524-51	Oil City	374	19	0	517,253	928	0.89	1383.029	2.481	557.3847	0.000
52	Scalp Level	00031-11	Johnstown	1054	28	0	506,642	2,470	0.88	423.2598	2.063	205.1182	0.274
53	Falls	00297-65	Montrose	812	31	0	502,774	3,007	0.87	618.4182	3.699	167.2012	0.000
54	Edinboro	00420-34	Erie	1601	28	0	496,564	5,634	0.86	309.7717	3.515	88.13703	0.112
55	Natl Forge Sw Sta	00577-41	Warren	1194	60	0	487,870	3,363	0.84	410.3196	2.828	145.0699	0.432
56	Mercer Pike	00474-52	Meadville	459	42	1	469,015	1,145	0.81	1021.819	2.495	409.6201	0.000

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
57	Erie West	00267-34	Erie	411	24	0	462,943	2,151	0.80	1059.366	4.922	215.2222	0.212
58	Union City	00207-43	Erie	849	36	2	462,637	3,056	0.80	545.5625	3.604	151.3865	1.198
59	Warren South	00255-41	Warren	590	41	2	451,424	2,326	0.78	737.6209	3.801	194.0774	3.410
60	Scalp Level	00932-11	Johnstown	1073	36	2	445,564	4,336	0.77	414.4781	4.033	102.7592	0.000
61	Russell Hill	00765-65	Montrose	373	30	0	439,667	771	0.76	1175.58	2.061	570.2555	0.000
62	Hollidaysburg	00035-71	Altoona	1077	15	0	424,371	1,839	0.73	453.8727	1.967	230.7618	0.018

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	2,358	74	2	1,396,449	8,752	8.33	629.88	3.948	159.6	0.272
2	Ingomar	D620	Zelienople	1,275	8	0	482,543	2,029	2.88	376.99	1.585	237.8	0.000
3	Camp Reynolds	W-134	Clark	1,749	62	0	341,958	2,269	2.04	197.32	1.309	150.7	0.000
4	Stoneboro	W-132	Clark	984	47	1	329,955	1,924	1.97	334.30	1.949	171.5	0.175
5	Conneaut	W-173	Clark	1,775	22	1	275,067	2,372	1.64	142.82	1.232	116.0	0.000
6	Stoneboro	W-131	Clark	1,489	50	0	270,529	1,545	1.61	181.69	1.038	175.1	0.006
7	Hartstown	W-125	Clark	822	34	1	267,298	1,624	1.59	474.77	2.885	164.6	0.000
8	Union	W-561	New Castle	1,188	26	0	230,596	1,210	1.38	194.60	1.021	190.6	0.000
9	Mercer	W-167	Clark	854	28	0	211,940	1,523	1.26	227.89	1.638	139.2	0.000
10	Ray Street	D-389	New Castle	1,214	6	1	208,996	1,315	1.25	172.01	1.082	158.9	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	1178	38	1	3,791,208	3,020	5.219	3207.451777	2.555	1255.367
2	Bethlen	Laurel Valley	Latrobe	1425	62	0	2,356,722	2,825	3.244	1659.66338	1.989	834.2379
3	Fort Palmer	Oakgrove	Latrobe	675	35	0	2,218,529	1,294	3.054	3272.166667	1.909	1714.474
4	Bethlen	Laughlintown	Latrobe	1092	70	0	1,963,485	1,848	2.703	1793.136986	1.688	1062.492
5	Karns City	Kaylor	Butler	1148	28	1	1,807,188	3,067	2.488	1574.205575	2.672	589.2364
6	St. Clair	Valley	Boyce	2627	28	0	1,786,049	4,006	2.459	679.1060837	1.523	445.8435
7	Bethelboro	Coolspring	Uniontown	1456	35	0	1,660,837	2,247	2.286	1144.615438	1.549	739.1353
8	Butler	Penn St	Butler	2619	24	1	1,555,335	3,914	2.141	591.1573546	1.488	397.3774
9	St. Clair	Fort Couch	Boyce	1157	29	0	1,529,137	3,613	2.105	1321.639585	3.123	423.2319
10	Springfield Pike	Rock Ridge	Pleasant Valley	737	18	0	1,508,080	2,385	2.076	2054.604905	3.249	632.3187
11	Franklin (Wpp)	South Waynesburg	Jefferson	2071	43	2	1,458,467	7,618	2.008	706.6216085	3.691	191.4501
12	Ethel Springs	Railroad	Latrobe	723	19	1	1,410,477	1,749	1.942	1932.160274	2.396	806.4477
13	North Union	Phillips	Uniontown	1470	29	1	1,402,173	2,299	1.930	952.5631793	1.562	609.9056
14	South Union	Brownfield	Uniontown	1816	32	0	1,374,785	4,159	1.893	755.3763736	2.285	330.5566
15	Blue Ridge Summit	Sabillasville	Waynesboro	965	48	1	1,370,722	4,210	1.887	1416.035124	4.349	325.5872
16	Whitney	Pleasant Unity	Latrobe	1411	46	0	1,362,571	2,716	1.876	960.9104372	1.915	501.683
17	Rutan	Bristoria	Jefferson	1116	67	0	1,279,959	2,299	1.762	1151.042266	2.067	556.746
18	Ethel Springs	Peach Hollow	Latrobe	2412	49	1	1,248,335	6,210	1.719	517.9813278	2.577	201.0201
19	Laurelville	Laurelville	Pleasant Valley	660	33	0	1,209,216	2,124	1.665	1829.373676	3.213	569.3107
20	Whitney	Youngstown	Latrobe	1233	57	0	1,193,054	2,378	1.642	966.8184765	1.927	501.7048
21	Peters	Boxer	Boyce	2192	21	1	1,123,042	4,918	1.546	512.8045662	2.246	228.3534
22	Kittanning	Cadogan	Kittanning	989	13	0	1,108,261	1,865	1.526	1121.72166	1.888	594.2418
23	South Union	Rte. 119 N North	Uniontown	1733	25	1	1,106,710	4,293	1.524	638.97806	2.479	257.7941
24	Port Matilda	Port Matilda	State College	1442	59	3	1,075,374	4,209	1.480	746.7875	2.923	255.4939
25	Franklin (Wpp)	Rogersville	Jefferson	830	44	1	1,055,914	2,292	1.454	1279.895758	2.778	460.6955
26	Millheim	Rebersburg	State College	808	30	0	1,049,916	1,199	1.445	1301.011152	1.486	875.6597
27	Bentleyville	Ellsworth	Charleroi	1212	30	0	1,009,453	3,591	1.390	832.1953833	2.960	281.1064

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
28	Rutan	Windridge	Jefferson	564	30	0	984,208	1,721	1.355	1822.607407	3.187	571.8815
29	Saltsburg	Bell Township	Arnold	753	31	2	959,241	3,297	1.321	1272.202918	4.373	290.9436
30	Connellsville	Trotter	Pleasant Valley	1073	13	1	938,712	2,333	1.292	874.8480895	2.174	402.3626
31	Lagonda	Lagonda	Washington Pa	1553	39	1	938,330	2,730	1.292	643.1322824	1.871	343.7106
32	Stahlstown	Kreager	Latrobe	287	26	1	916,663	1,041	1.262	3182.857639	3.615	880.56
33	Bethlen	Darlington	Latrobe	1231	80	0	915,812	3,917	1.261	738.5580645	3.159	233.8044
34	Nittany No. 2	Clintondale	State College	767	14	1	905,365	1,484	1.246	1174.273671	1.925	610.0842
35	Hilliards	Hilliards	Butler	894	30	0	894,430	3,608	1.231	1000.480984	4.036	247.9019
36	Linden-Wash	Wylandville	Washington Pa	1108	28	0	878,963	2,672	1.210	761.6663778	2.315	328.9532
37	Buckeye No.3	Paisley	Jefferson	668	17	0	861,371	1,466	1.186	1295.294737	2.205	587.5655
38	Vanceville	Vanceville	Charleroi	1386	53	1	829,088	2,913	1.141	599.4851772	2.106	284.6165
39	Uniontown	East End	Uniontown	1288	19	2	796,088	2,926	1.096	618.0807453	2.272	272.0738
40	Manifold	Country Club	Washington Pa	575	10	2	795,370	2,441	1.095	1295.390879	3.976	325.8378

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

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

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
1	Painted Sky	00650-1	Reading	1,784	32
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.83	Trees Off Row-Tree	48%	3Q 2022
	SAIDI	915.89	Equipment Failure	47%	4Q 2022
	SAIFI	2.23	Line Failure	3%	2Q 2023
	CAIDI	410	All Other	2%	
	Customer Minutes	1,633,040			
	Customers Affected	3,981			
	Remedial Action Planned or Taken			Status	Progress
	Proactive UG cable replacement Laurel Springs LTIIP			Complete	22-Aug
	Replace mainline pole from inspection LTIIP			Complete	22-Sep
	Upgrade mainline recloser			Complete	22-Sep
	Install additional line sectionalizing device			To be completed 2023	25%
Rank	Substation	Circuit	District	Customers	Outages
2	No Bangor	00826-3	Easton	3,211	118
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.62	Trees Off Row-Tree	28%	3Q 2022
	SAIDI	456.76	Lightning	18%	4Q 2022
	SAIFI	3.22	Forced Outage	16%	1Q 2023
	CAIDI	142	All Other	39%	2Q 2023
	Customer Minutes	1,513,717			
	Customers Affected	10,673			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	22-Dec
	Pole relocation project			Complete	23-Feb
	Mainline Forestry Aerial Patrol			To Be Completed 2023	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
3	Lynnville Sub	00737-1	Hamburg	1,079	94
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.52	Equipment Failure	45%	3Q 2022
	SAIDI	1,344.73	Trees Off Row-Tree	27%	4Q 2022
	SAIFI	3.73	Vehicle	15%	1Q 2023
	CAIDI	361	All Other	14%	2Q 2023
	Customer Minutes	1,453,658			
	Customers Affected	4,030			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			Complete	22-Jan
	Replace mainline backlog poles LTIIP (2 poles)			Complete	22-Jul
	Cycle Tree Trimming			Complete	22-Dec
	Upgrade mainline recloser			To be completed 2023	50%
Rank	Substation	Circuit	District	Customers	Outages
4	Barto Sub	00706-1	Boyertown	2,974	196
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.44	Trees Off Row-Tree	46%	3Q 2022
	SAIDI	470.35	Equipment Failure	31%	4Q 2022
	SAIFI	1.79	Unknown	11%	1Q 2023
	CAIDI	263	All Other	12%	2Q 2023
	Customer Minutes	1,408,241			
	Customers Affected	5,357			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection - 70612 Recloser Zone			Complete	22-Apr
	Targeted overhead circuit inspection			Complete	22-Sep
	Targeted Mainline Circuit Rehabilitation LTIIP Engineering Review			Complete	23-Feb
	Circuit Improvement Project LTIIP Engineering Review			Complete	23-Feb
Install Supervisory Control and Data Acquisition (SCADA) LTIIP Engineering Review			Complete	23-Feb	
Targeted tree trimming and removals			To be completed 2023	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
5	Ottsville Substation	00660-3	Easton	872	82
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.41	Trees Off Row-Tree	60%	3Q 2022
	SAIDI	1,597.96	Equipment Failure	13%	4Q 2022
	SAIFI	4.45	Line Failure	7%	1Q 2023
	CAIDI	359	All Other	20%	2Q 2023
	Customer Minutes	1,391,824			
	Customers Affected	3,872			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	22-Jan
	Install TripSaver			Complete	22-Nov
Rank	Substation	Circuit	District	Customers	Outages
6	Bern Church Sub	00789-1	Reading	1,452	82
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.14	Trees Off Row-Tree	57%	2Q 2023
	SAIDI	850.31	Trees Off Row-Limb	17%	
	SAIFI	1.40	Equipment Failure	10%	
	CAIDI	607	All Other	16%	
	Customer Minutes	1,237,208			
	Customers Affected	2,037			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	21-Dec
Rank	Substation	Circuit	District	Customers	Outages
7	Lyons Sub	00729-1	Reading	1,305	115
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.07	Trees Off Row-Tree	60%	3Q 2022
	SAIDI	898.57	Trees Off Row-Limb	15%	4Q 2022
	SAIFI	2.97	Equipment Failure	9%	1Q 2023
	CAIDI	302	All Other	16%	2Q 2023
	Customer Minutes	1,193,295			
	Customers Affected	3,947			
	Remedial Action Planned or Taken			Status	Progress
	Install additional mainline disconnects LTIIP			Complete	23-Feb
	Targeted forestry inspection (Bick Rd)			Complete	23-Feb
	Targeted tree trimming (Bick Rd)			Complete	23-May
	Overhead circuit inspection			To be completed 2023	0%
Targeted tree removals (Schweitz Rd)			To be completed 2023	25%	
Targeted tree trimming and removals			To be completed 2023	0%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
8	No Bangor	00813-3	Easton	1,357	55	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.93	Trees Off Row-Tree	40%	3Q 2022	
	SAIDI	822.50	Vehicle	36%	4Q 2022	
	SAIFI	2.51	Unknown	11%	1Q 2023	
	CAIDI	327	All Other	13%	2Q 2023	
	Customer Minutes	1,115,308				
	Customers Affected	3,409				
	Remedial Action Planned or Taken				Status	Progress
	Fuse relocation project				Complete	23-Apr
	Mainline Forestry Aerial Patrol				To Be Completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages	
9	Carsonia Sub	00764-1	Reading	2,994	75	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.92	Trees Off Row-Tree	49%	3Q 2022	
	SAIDI	382.27	Trees Off Row-Limb	14%	4Q 2022	
	SAIFI	2.97	Unknown	14%	1Q 2023	
	CAIDI	129	All Other	24%	2Q 2023	
	Customer Minutes	1,107,813				
	Customers Affected	8,612				
	Remedial Action Planned or Taken				Status	Progress
	Circuit rehab project LTIP				Complete	22-Sep
	Construct circuit tie LTIP				Complete	23-Jan
Targeted Mainline Circuit Rehabilitation LTIP Engineering Review				Complete	23-Feb	
Targeted tree trimming and removals				To be completed 2023	0%	
Rank	Substation	Circuit	District	Customers	Outages	
10	Glendon	00818-3	Easton	1,640	10	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.90	Lightning	53%	2Q 2023	
	SAIDI	669.23	Equipment Failure	34%		
	SAIFI	1.73	Forced Outage	8%		
	CAIDI	386	All Other	5%		
	Customer Minutes	1,096,198				
	Customers Affected	2,841				
	Remedial Action Planned or Taken				Status	Progress
	Overhead circuit inspection				To be completed 2023	0%
	Mainline Forestry Aerial Patrol				To Be Completed 2023	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
11	S Hamb Sub	00740-1	Hamburg	1,276	64
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.81	Trees Off Row-Tree	45%	3Q 2022
	SAIDI	820.47	Vehicle	22%	1Q 2023
	SAIFI	3.35	Equipment Failure	20%	2Q 2023
	CAIDI	245	All Other	13%	
	Customer Minutes	1,046,925			
	Customers Affected	4,278			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	22-Jun
	Replace mainline backlog poles LTIP (3 poles)			Complete	22-Mar
	Repair/replace priority items from overhead circuit inspection			To be Completed 2023	75%
Rank	Substation	Circuit	District	Customers	Outages
12	Walker Sub	00865-3	Stroudsburg	2,911	74
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.81	Trees Off Row-Tree	43%	1Q 2023
	SAIDI	359.32	Equipment Failure	43%	2Q 2023
	SAIFI	1.82	Trees Off Row-Limb	7%	
	CAIDI	197	All Other	7%	
	Customer Minutes	1,046,700			
	Customers Affected	5,304			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			To be completed 2023	99%
Cycle tree trimming			To be completed 2023	33%	
Rank	Substation	Circuit	District	Customers	Outages
13	North Cornwall Sub	00610-2	Lebanon	2,366	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.74	Trees Off Row-Tree	68%	3Q 2022
	SAIDI	432.41	Forced Outage	14%	4Q 2022
	SAIFI	3.47	Trees Off Row-Limb	9%	1Q 2023
	CAIDI	125	All Other	8%	2Q 2023
	Customer Minutes	1,001,031			
	Customers Affected	8,040			
	Remedial Action Planned or Taken			Status	Progress
	Circuit rehab project LTIP			Complete	23-Jun
Install Supervisory Control and Data Acquisition (SCADA) LTIP (1 device)			To be completed 2023	95%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
14	Snydersville Sub	00621-3	Stroudsburg	1,286	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.73	Trees Off Row-Tree	91%	3Q 2022
	SAIDI	780.43	Vehicle	7%	4Q 2022
	SAIFI	1.74	Unknown	1%	1Q 2023
	CAIDI	448	All Other	1%	2Q 2023
	Customer Minutes	997,389			
	Customers Affected	2,225			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	22-Oct
	Replace 2022 priority poles (2 poles)			To be completed 2023	75%
Rank	Substation	Circuit	District	Customers	Outages
15	W Boyertown Sub	00714-1	Boyertown	1,885	59
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.65	Trees Off Row-Tree	83%	3Q 2022
	SAIDI	505.94	Equipment Failure	6%	4Q 2022
	SAIFI	2.68	Trees Off Row-Limb	4%	1Q 2023
	CAIDI	189	All Other	8%	2Q 2023
	Customer Minutes	949,650			
	Customers Affected	5,029			
	Remedial Action Planned or Taken			Status	Progress
	Upgrade mainline recloser			Complete	22-Aug
	Construct circuit tie LTIIP			Complete	23-Feb
Install Supervisory Control and Data Acquisition (SCADA) LTIIP Engineering Review			Complete	23-Feb	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
16	Huffs Church	00600-1	Boyertown	1,534	127
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.55	Trees Off Row-Tree	73%	3Q 2022
	SAIDI	595.94	Line Failure	7%	4Q 2022
	SAIFI	2.25	Unknown	7%	1Q 2023
	CAIDI	264	All Other	13%	2Q 2023
	Customer Minutes	894,510			
	Customers Affected	3,383			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			Complete	22-Jan
	Targeted tree trimming (Maryann Drive)			Complete	23-Jan
	CEMI re-route project LTIIIP			Complete	23-Mar
	Targeted Circuit Rehabilitation LTIIIP			To be completed 2023	25%
Targeted tree trimming and removals			To be completed 2023	0%	
Rank	Substation	Circuit	District	Customers	Outages
17	Bath Sub	00873-3	Easton	2,138	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.50	Trees Off Row-Limb	41%	1Q 2023
	SAIDI	406.21	Equipment Failure	33%	2Q 2023
	SAIFI	3.25	Trees Off Row-Tree	14%	
	CAIDI	125	All Other	12%	
	Customer Minutes	867,252			
	Customers Affected	6,935			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	22-Sep
Rank	Substation	Circuit	District	Customers	Outages
18	Bernville Sub	00787-1	Hamburg	1,842	66
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.48	Vehicle	48%	4Q 2022
	SAIDI	457.45	Trees Off Row-Tree	36%	1Q 2023
	SAIFI	1.87	Trees Off Row-Limb	5%	2Q 2023
	CAIDI	244	All Other	11%	
	Customer Minutes	851,306			
	Customers Affected	3,486			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	21-Dec
CEMI re-route project LTIIIP			Complete	22-Sep	
Replace backlog pole LTIIIP (1 pole)			Complete	23-Apr	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
19	Mountain Substation	00743-4	Dillsburg	1,032	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.46	Vehicle	94%	3Q 2022
	SAIDI	815.36	Trees Off Row-Tree	3%	4Q 2022
	SAIFI	1.47	Equipment Failure	1%	1Q 2023
	CAIDI	554	All Other	2%	2Q 2023
	Customer Minutes	840,633			
	Customers Affected	1,518			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	22-Aug
Rank	Substation	Circuit	District	Customers	Outages
20	Mountain Substation	00744-4	Dillsburg	1,866	52
	S Hamb Sub		00741-1		Hamburg
	SAIDI Impact	1.44	Wind	41%	3Q 2022
	SAIDI	446.64	Trees Off Row-Tree	36%	4Q 2022
	SAIFI	1.72	Unknown	11%	1Q 2023
	CAIDI	259	All Other	12%	2Q 2023
	Customer Minutes	832,975			
	Customers Affected	3,210			
	Remedial Action Planned or Taken			Status	Progress
	Cycle Tree Trimming			Complete	22-May
Targeted overhead circuit inspection			Complete	22-Aug	
Circuit Rehabilitation LTIP Zone 2			Complete	23-Feb	
Circuit Zone 2 Conversion LTIP			To be Completed 2023	50%	
Rank	Substation	Circuit	District	Customers	Outages
21	River View Sub	00793-1	Reading	3,175	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.39	Vehicle	44%	1Q 2023
	SAIDI	251.99	Trees Off Row-Limb	32%	2Q 2023
	SAIFI	1.72	Trees On Row	6%	
	CAIDI	146	All Other	18%	
	Customer Minutes	801,314			
	Customers Affected	5,478			
	Remedial Action Planned or Taken			Status	Progress
	Targeted Mainline Circuit Rehabilitation Cutout Replacements LTIP (5 projects)			Complete	22-May
Overhead circuit inspection			Complete	23-Jun	
Targeted tree trimming and removals			To be completed 2023	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
22	Birdsboro	00757-1	Reading	1,979	72
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.32	Trees Off Row-Limb	48%	2Q 2023
	SAIDI	382.26	Trees Off Row-Tree	27%	
	SAIFI	1.67	Unknown	15%	
	CAIDI	228	All Other	11%	
	Customer Minutes	759,543			
	Customers Affected	3,326			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	22-Dec
	Install TripSaver LTIP			Complete	23-Jan
	Overhead circuit inspection			To be completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages
23	Shawnee Sub	00899-3	Stroudsburg	1,677	73
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.28	Trees Off Row-Tree	66%	2Q 2023
	SAIDI	440.65	Unknown	15%	
	SAIFI	2.51	Animal	7%	
	CAIDI	176	All Other	12%	
	Customer Minutes	738,976			
	Customers Affected	4,203			
	Remedial Action Planned or Taken			Status	Progress
	Cycle tree trimming			Complete	21-Dec
	Mainline 34.5 kV forestry aerial patrol			Complete	22-Aug
	Mainline Forestry Aerial Patrol			To Be Completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages
24	Wind Gap Sub	00600-3	Easton	1,373	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.22	Forced Outage	67%	4Q 2022
	SAIDI	513.30	Trees Off Row-Tree	19%	2Q 2023
	SAIFI	1.48	Equipment Failure	9%	
	CAIDI	347	All Other	4%	
	Customer Minutes	705,785			
	Customers Affected	2,032			
	Remedial Action Planned or Taken			Status	Progress
	Targeted mainline patrol			To be completed 2023	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
25	Delabole Sub	00034-3	Easton	801	3
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.18	Unknown	58%	2Q 2023
	SAIDI	846.58	Trees Off Row-Tree	41%	
	SAIFI	2.03	Forced Outage	0%	
	CAIDI	416	All Other	0%	
	Customer Minutes	679,802			
	Customers Affected	1,634			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	23-Feb
	Mainline Forestry Aerial Patrol			To Be Completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages
26	Windsor	00797-4	York	1,540	72
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.18	Trees Off Row-Tree	44%	2Q 2023
	SAIDI	441.18	Forced Outage	21%	
	SAIFI	2.95	Vehicle	13%	
	CAIDI	150	All Other	22%	
	Customer Minutes	678,981			
	Customers Affected	4,538			
	Remedial Action Planned or Taken			Status	Progress
	Replace Priority One Pole			Complete	22-Aug
	Install Animal Guarding CEMI			Complete	22-Dec
Replace priority poles (11 poles)			To Be Completed 2023	90%	
Overhead circuit inspection			To Be Completed 2023	69%	
Rank	Substation	Circuit	District	Customers	Outages
27	Mc Knights Gap Sub	00773-1	Reading	2,006	67
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.13	Trees Off Row-Tree	46%	3Q 2022
	SAIDI	542.06	Trees Off Row-Limb	25%	4Q 2022
	SAIFI	3.82	Equipment Failure	19%	1Q 2023
	CAIDI	142	All Other	10%	2Q 2023
	Customer Minutes	651,554			
	Customers Affected	4,590			
	Remedial Action Planned or Taken			Status	Progress
	Replace mainline backlog poles LTIP (2 poles)			Complete	22-May
	Upgrade mainline switch LTIP			Complete	23-Jan

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
28	Angelica Sub	00129-1	Reading	701	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.13	Trees Off Row-Tree	94%	3Q 2022
	SAIDI	922.98	Trees Off Row-Limb	2%	4Q 2022
	SAIFI	3.54	Forced Outage	1%	1Q 2023
	CAIDI	261	All Other	3%	2Q 2023
	Customer Minutes	650,698			
	Customers Affected	2,496			
	Remedial Action Planned or Taken			Status	Progress
	Replace mainline backlog pole LTIP			Complete	22-Jun
	Cycle tree trimming			Complete	23-Jun
Rank	Substation	Circuit	District	Customers	Outages
29	Gardners	00752-4	Gettysburg	1,520	81
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.12	Vehicle	34%	4Q 2022
	SAIDI	424.37	Trees Off Row-Tree	28%	1Q 2023
	SAIFI	2.76	Wind	9%	2Q 2023
	CAIDI	154	All Other	29%	
	Customer Minutes	645,469			
	Customers Affected	4,197			
	Remedial Action Planned or Taken			Status	Progress
	Replace priority poles (8 poles)			Complete	23-Feb
	Install Supervisory Control and Data Acquisition (SCADA) device LTIP			Complete	23-Mar
	Cycle Tree Trimming			To be Completed 2023	54%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
30	W Boyertown Sub	00715-1	Boyertown	1,699	56	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.10	Trees Off Row-Tree	74%	4Q 2022	
	SAIDI	374.78	Trees Off Row-Limb	14%	1Q 2023	
	SAIFI	1.95	Unknown	5%	2Q 2023	
	CAIDI	192	All Other	7%		
	Customer Minutes	635,998				
	Customers Affected	3,309				
	Remedial Action Planned or Taken				Status	Progress
	Targeted tree trimming investigation				Complete	21-Oct
	Targeted forestry inspections (Old State Rd & Long Lane)				Complete	22-Jan
	Repair/replace priority items from overhead circuit inspection				Complete	22-May
Rank	Substation	Circuit	District	Customers	Outages	
31	Barto Sub	00705-1	Boyertown	655	78	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.10	Trees Off Row-Tree	69%	3Q 2022	
	SAIDI	965.89	Unknown	22%	1Q 2023	
	SAIFI	2.58	Forced Outage	4%	2Q 2023	
	CAIDI	374	All Other	5%		
	Customer Minutes	633,623				
	Customers Affected	1,694				
	Remedial Action Planned or Taken				Status	Progress
	Targeted forestry inspection (Mountain Mary Rd)				Complete	22-Jan
	Targeted forestry inspection - 2-18-22 Recloser lockout				Complete	22-Apr
	Targeted tree trimming and removals				To be completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages	
32	Bushkill Falls	00698-3	Stroudsburg	1,756	33	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.07	Trees Off Row-Tree	68%	1Q 2023	
	SAIDI	350.42	Equipment Failure	23%	2Q 2023	
	SAIFI	1.57	Animal	3%		
	CAIDI	224	All Other	6%		
	Customer Minutes	615,683				
	Customers Affected	2,753				
	Remedial Action Planned or Taken				Status	Progress
	Cycle tree trimming				Complete	22-Dec
Mainline Forestry Aerial Patrol				To Be Completed 2023	0%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
33	Carsonia Sub	00766-1	Reading	816	45	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.05	Trees Off Row-Tree	69%	1Q 2023	
	SAIDI	744.03	Trees Off Row-Limb	20%	2Q 2023	
	SAIFI	2.16	Trees On Row	4%		
	CAIDI	344	All Other	7%		
	Customer Minutes	607,128				
	Customers Affected	1,763				
	Remedial Action Planned or Taken				1.05	Trees Off Row-Tree
	Cycle tree trimming				Complete	22-May
	Install Supervisory Control and Data Acquisition (SCADA) (1 device)				To be completed 2023	50%
	Targeted tree trimming and removals				To be completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages	
34	Stroudsburg	00693-3	Stroudsburg	333	13	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.05	Animal	38%	1Q 2023	
	SAIDI	1,821.89	Equipment Failure	26%	2Q 2023	
	SAIFI	12.62	Forced Outage	15%		
	CAIDI	144	All Other	20%		
	Customer Minutes	606,688				
	Customers Affected	4,202				
	Remedial Action Planned or Taken				Status	Progress
	Protective setting review on line device to adjust settings for current line configuration				Complete	23-Mar
Rank	Substation	Circuit	District	Customers	Outages	
35	Raubsville St	00095-3	Easton	525	38	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.02	Trees Off Row-Tree	36%	4Q 2022	
	SAIDI	1,117.72	Trees On Row	27%	2Q 2023	
	SAIFI	3.13	Vehicle	23%		
	CAIDI	357	All Other	14%		
	Customer Minutes	587,923				
	Customers Affected	1,646				
	Remedial Action Planned or Taken				Status	Progress
	Targeted forestry inspection				To be Completed 2023	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
36	Birdsboro	00759-1	Reading	928	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.99	Trees Off Row-Tree	53%	3Q 2022
	SAIDI	618.79	Line Failure	25%	4Q 2022
	SAIFI	3.30	Trees Off Row-Limb	19%	1Q 2023
	CAIDI	188	All Other	3%	2Q 2023
	Customer Minutes	572,383			
	Customers Affected	3,050			
	Remedial Action Planned or Taken			Status	Progress
	Replace backlog poles (3 poles)			Complete	22-May
	Cycle tree trimming			Complete	22-Sep
	Upgrade mainline recloser			Complete	22-Dec
	Overhead circuit inspection			Complete	23-May
Install Supervisory Control and Data Acquisition (SCADA) LTIIP (4 devices)			Complete	23-Jul	
Rank	Substation	Circuit	District	Customers	Outages
37	Gilbert Sub - Met-Ed	00029-3	Easton	60	9
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.99	Trees Off Row-Tree	97%	1Q 2023
	SAIDI	8,783.98	Unknown	2%	2Q 2023
	SAIFI	3.32	Trees Off Row-Limb	1%	
	CAIDI	2,643	All Other	0%	
	Customer Minutes	570,959			
	Customers Affected	216			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			To be Completed 2023	0%
Mainline Forestry Aerial Patrol			To Be Completed 2023	0%	
Rank	Substation	Circuit	District	Customers	Outages
38	W Boyertown Sub	00484-1	Boyertown	909	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.98	Trees Off Row-Tree	74%	2Q 2023
	SAIDI	620.01	Equipment Failure	17%	
	SAIFI	2.36	Line Failure	3%	
	CAIDI	263	All Other	5%	
	Customer Minutes	564,210			
	Customers Affected	2,148			
	Remedial Action Planned or Taken			Status	Progress
	Mainline protection upgrade			Complete	23-Feb
Targeted tree trimming and removals (Willow & Locust Road)			Complete	23-May	
Targeted tree trimming and removals			To be completed 2023	50%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
39	Birdsboro	00756-1	Reading	1,530	79
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.97	Trees Off Row-Tree	47%	3Q 2022
	SAIDI	367.26	Trees Off Row-Limb	23%	4Q 2022
	SAIFI	2.70	Equipment Failure	19%	2Q 2023
	CAIDI	136	All Other	11%	
	Customer Minutes	561,171			
	Customers Affected	4,131			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			Complete	22-Feb
	Cycle tree trimming			Complete	22-May
	Overhead circuit inspection			To be completed 2023	0%

Met-Ed					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2022	4Q 2022	1Q 2023	2Q 2023
Bairs Sub	00571-4	X	X	X	
Carsonia Sub	00767-1	X	X	X	
Collins Substation	00760-2	X	X		
Ferndale Sub	00871-3	X	X		
Ferndale Sub	00077-3	X	X		
Flying Hills Sub	00777-1	X	X	X	
Friedensburg Sub	00141-1	X		X	
Hill Sub	00735-4	X	X	X	
Lynnville Sub	00735-1	X	X	X	
North Lebanon	00712-2	X	X		
North Lebanon	00715-2	X	X		
Pine Lane Sub	00713-1		X	X	
Shawnee Sub	00860-3	X	X		

Met-Ed				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Progress of Remedial Work or Date Completed²³
Bairs Sub	00571-4	Replace Recloser	Complete	22-Oct
Bairs Sub	00571-4	Replace backlog poles (38 poles)	Complete	23-Mar
Bairs Sub	00571-4	Install Animal Guarding CEMI (2 locations)	Complete	23-Mar
Carsonia Sub	00767-1	Install TripSaver LTIP	Complete	23-Jan
Carsonia Sub	00767-1	Install Supervisory Control and Data Acquisition (SCADA) LTIP Engineering Review	Complete	23-Feb
Carsonia Sub	00767-1	Replace Priority One mainline pole	Complete	23-Mar
Carsonia Sub	00767-1	Cycle tree trimming	Complete	23-Apr
Collins Substation	00760-2	Cycle tree trimming	Complete	21-Jun
Collins Substation	00760-2	Additional Ash Tree Removal	Complete	21-Jul
Ferndale Sub	00077-3	Mid cycle forestry inspection	Complete	22-Dec
Ferndale Sub	00077-3	Cycle tree trimming	To be completed 2023	0%
Ferndale Sub	00871-3	Mainline 34.5 kV forestry aerial patrol	Complete	22-Aug
Ferndale Sub	00871-3	Repair/replace priority item from overhead inspection	Complete	22-Oct
Ferndale Sub	00871-3	Mid cycle forestry inspection	Complete	23-May
Flying Hills Sub	00777-1	Install Supervisory Control and Data Acquisition (SCADA) switch LTIP (4 devices)	Complete	22-Dec
Flying Hills Sub	00777-1	Targeted Mainline Circuit Rehabilitation Cutout Replacements LTIP (3 units)	Complete	23-Apr
Flying Hills Sub	00777-1	Targeted Mainline Circuit Rehabilitation LTIP (2 rehabs)	To be Completed 2023	50%
Friedensburg Sub	00141-1	Cycle Tree Trimming	Complete	22-May
Friedensburg Sub	00141-1	CEMI re-route project LTIP	Complete	22-Sep
Friedensburg Sub	00141-1	Targeted forester inspection (Forgedale Rd)	Complete	23-Mar
Friedensburg Sub	00141-1	Targeted tree removals (Forgedale Rd)	Complete	23-May
Hill Sub	00735-4	Overhead circuit inspection	To be completed 2023	0%
Lynnville Sub	00735-1	Cycle Tree Trimming	Complete	22-Dec
Lynnville Sub	00735-1	Replace Priority One Mainline Poles (2 poles)	Complete	23-Feb
North Lebanon	00712-2	Cycle Tree Trimming	Complete	21-Dec
North Lebanon	00712-2	Install Supervisory Control and Data Acquisition (SCADA) switch LTIP (2 devices)	Complete	23-May
North Lebanon	00715-2	Cycle Tree Trimming	Complete	21-Dec
Pine Lane Sub	00713-1	Replace backlog poles (2 poles)	Complete	22-Sep
Pine Lane Sub	00713-1	Upgrade mainline recloser	Complete	22-Oct

²³ The values in red indicate changes or progress since 1st Quarter Reliability Report Filing

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

Pine Lane Sub	00713-1	Cycle Tree Trimming	Complete	23-Jun
Shawnee Sub	00860-3	Circuit Rehabilitation LTIP	Complete	22-Aug
Shawnee Sub	00860-3	Cycle tree trimming	Complete	22-Nov
Shawnee Sub	00860-3	Targeted mainline patrol	To be Completed 2023	0%
S Hamb Sub	00741-1	Overhead circuit inspection	Complete	22-Aug
S Hamb Sub	00741-1	Create additional circuit tie LTIP	Complete	23-Feb
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	48%
Mt Rose Sub	00564-4	Cycle tree trimming	Complete	22-Jul
Mt Rose Sub	00564-4	Replace Priority One Mainline Pole	Complete	22-Aug
Ringing Rocks Sub	00708-1	Overhead circuit inspection	To be Completed 2023	0%
Raubsville St	00079-3	Mid cycle forestry inspection	Complete	22-Sep
Cly	00721-4	Repair/replace priority items from overhead circuit inspection	Complete	22-Oct
County Line Sub	00703-1	Repair/Replace priority items from overhead circuit inspection	Complete	22-Aug
County Line Sub	00703-1	Install Supervisory Control and Data Acquisition (SCADA) switch	Complete	22-Aug
County Line Sub	00703-1	Cycle tree trimming	To be completed 2023	0%
Earlville	00126-1	Construct circuit tie LTIP	Complete	23-Feb
Earlville	00126-1	Cycle tree trimming	To be completed 2023	0%
Ferndale Sub	00076-3	Repair/Replace priority items from overhead circuit inspection	Complete	22-Jul
Gardners	00750-4	Install Supervisory Control and Data Acquisition (SCADA) LTIP (2 Devices)	Complete	23-Feb
Hamilton Sub	00789-4	Cycle Tree Trimming	Complete	22-Dec
Hokes Sub	00587-4	Install Supervisory Control and Data Acquisition (SCADA) recloser LTIP	Complete	23-Jan
Hokes Sub	00587-4	Cycle Tree Trimming	Complete	22-Dec
Lynnville Sub	00749-1	Cycle Tree Trimming	Complete	22-Dec
Mountain Substation	00742-4	Cycle Tree Trimming	Complete	22-Sep
Newberry Sub	00586-4	Cycle tree trimming	Complete	22-Dec
Palmer	00658-3	Cycle Tree Trimming	Complete	22-Jan
Pine Lane Sub	00720-1	Replace backlog pole	Complete	22-Aug
Pine Lane Sub	00720-1	Circuit improvement project LTIP	Complete	23-Feb
Pine Lane Sub	00720-1	Cycle Tree Trimming	To be Completed 2023	99%
Raintree	00642-4	Cycle Tree Trimming	Complete	22-Jul
Rehrersburg Sub	00718-2	Cycle tree trimming	Complete	22-Dec
Shawnee Sub	00895-3	Overhead circuit inspection	Complete	22-Jun
Shawnee Sub	00895-3	Replace insulators	Complete	22-May
Stouchburg Sub	00758-2	Repair/replace priority items from overhead circuit inspection	Complete	22-Oct
Swatara Hill Sub	00763-2	Cycle tree trimming	Complete	22-Oct

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

Violet Hill Sub	00527-4	Install additional Supervisory Control and Data Acquisition (SCADA) (3 Devices)	Complete	22-Dec
Violet Hill Sub	00527-4	Circuit Rehab from AEC Metering Point up to upstream recloser	Complete	23-Jan

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
1	Salix	00070-11	Johnstown	2,188	36	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	4.69	Trees Off Row-Tree	48%	1Q 2023	
	SAIDI	1,242.19	Ice	44%		
	SAIFI	2.52	Forced Outage	4%		
	CAIDI	493.76	All Other	5%		
	Customer Minutes	2,711,708				
	Customers Affected	5,492				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by ice				Complete	Mar-23
	Repair damage caused by trees				Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages	
2	Warren South	00220-41	Warren	2,827	82	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.11	Trees Off Row-Tree	55%	1Q 2022	
	SAIDI	638.87	Unknown	27%	2Q 2022	
	SAIFI	2.71	Forced Outage	8%	3Q 2022	
	CAIDI	236.11	All Other	11%	1Q 2023	
	Customer Minutes	1,800,344				
	Customers Affected	7,625				
	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

Penelec					
Rank	Union City	00239-43	Erie	783	38
3	Union City	00239-43	Erie	783	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.84	Trees Off Row-Tree	75%	4Q 2022
	SAIDI	2,042.02	Equipment Failure	21%	1Q 2023
	SAIFI	4.79	Unknown	2%	
	CAIDI	426.55	All Other	3%	
	Customer Minutes	1,641,782			
	Customers Affected	3,849			
	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
4	N Meshoppen Tran	00534-65	Montrose	877	65
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.83	Trees Off Row-Tree	65%	2Q 2022
	SAIDI	1,952.79	Equipment Failure	13%	3Q 2022
	SAIFI	6.65	Trees Off Row-Limb	12%	4Q 2022
	CAIDI	293.85	All Other	10%	1Q 2023
	Customer Minutes	1,636,437			
	Customers Affected	5,569			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Mar-22
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Dec-22
	On cycle tree clearing			Complete	Nov-22
	Circuit inspection			Complete	Mar-23
	Targeted Circuit Rehab			To Be Completed	0%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
5	Seward	00075-11	Johnstown	891	48
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.72	Trees Off Row-Tree	85%	4Q 2022
	SAIDI	1,742.28	Line Failure	7%	1Q 2023
	SAIFI	8.37	Equipment Failure	2%	
	CAIDI	208.14	All Other	6%	
	Customer Minutes	1,575,017			
	Customers Affected	7,567			
	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
6	Grover	00527-63	Towanda	1,053	92
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.62	Equipment Failure	27%	2Q 2022
	SAIDI	1,435.90	Trees Off Row-Tree	27%	3Q 2022
	SAIFI	3.38	Vehicle	26%	4Q 2022
	CAIDI	424.53	All Other	20%	1Q 2023
	Customer Minutes	1,513,443			
	Customers Affected	3,565			
	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

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
7	Saxton	00625-73	Altoona	573	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.34	Trees Off Row-Tree	54%	2Q 2022
	SAIDI	1,193.19	Line Failure	22%	4Q 2022
	SAIFI	3.55	Equipment Failure	19%	1Q 2023
	CAIDI	336.51	All Other	5%	
	Customer Minutes	1,355,464			
	Customers Affected	4,028			
	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
8	Blairsville East	00080-13	Indiana	1,016	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.33	Trees Off Row-Tree	51%	1Q 2023
	SAIDI	1,325.52	Trees Off Row-Limb	42%	
	SAIFI	6.51	Unknown	4%	
	CAIDI	203.56	All Other	3%	
	Customer Minutes	1,349,377			
	Customers Affected	6,629			
	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
9	Blairsville East	00082-13	Indiana	1,564	44
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.13	Trees Off Row-Limb	40%	2Q 2022
	SAIDI	788.90	Trees Off Row-Tree	18%	3Q 2022
	SAIFI	2.17	Unknown	15%	4Q 2022
	CAIDI	363.98	All Other	27%	1Q 2023
	Customer Minutes	1,229,902			
	Customers Affected	3,379			
	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
Rank	Substation	Circuit	District	Customers	Outages
10	Tunkhannock	00533-65	Montrose	1,241	71
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.08	Trees Off Row-Tree	39%	2Q 2022
	SAIDI	968.32	Equipment Failure	34%	3Q 2022
	SAIFI	3.25	Unknown	9%	4Q 2022
	CAIDI	298.22	All Other	18%	1Q 2023
	Customer Minutes	1,203,627			
	Customers Affected	4,036			
	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

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
11	Madera	00165-22	Philipsburg	1,586	51
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.87	Trees Off Row-Tree	57%	2Q 2022
	SAIDI	903.42	Equipment Failure	29%	3Q 2022
	SAIFI	2.87	Line Failure	4%	4Q 2022
	CAIDI	314.71	All Other	10%	1Q 2023
	Customer Minutes	1,082,299			
	Customers Affected	3,439			
	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
12	Salix	00071-11	Johnstown	1,554	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.84	Trees Off Row-Tree	51%	1Q 2023
	SAIDI	686.08	Trees On Row	17%	
	SAIFI	2.16	Equipment Failure	15%	
	CAIDI	318.07	All Other	17%	
	Customer Minutes	1,066,167			
	Customers Affected	3,352			
	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
	Repair damage caused by trees on ROW			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
13	Youngsville	00257-41	Warren	1,198	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.75	Unknown	47%	1Q 2023
	SAIDI	844.80	Trees Off Row-Tree	33%	
	SAIFI	4.52	Equipment Failure	13%	
	CAIDI	186.99	All Other	1%	
	Customer Minutes	1,011,230			
	Customers Affected	5,408			
	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
14	Montrose	00457-65	Montrose	578	40
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.72	Trees Off Row-Tree	68%	2Q 2022
	SAIDI	1,515.56	Line Failure	13%	3Q 2022
	SAIFI	5.91	Vehicle	8%	4Q 2022
	CAIDI	256.36	All Other	11%	1Q 2023
	Customer Minutes	995,721			
	Customers Affected	3,884			
	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
	On cycle tree clearing			Complete	May-23
Circuit inspection			Complete	Apr-23	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
15	Tiffany	00435-65	Montrose	1,269	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.71	Trees Off Row-Tree	76%	2Q 2022
	SAIDI	782.30	Line Failure	10%	3Q 2022
	SAIFI	2.33	Vehicle	7%	4Q 2022
	CAIDI	335.27	All Other	6%	1Q 2023
	Customer Minutes	990,387			
	Customers Affected	2,954			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Apr-22
	Repair damage caused by ice			Complete	Apr-22
	Repair equipment failure			Complete	Jun-22
	On cycle tree clearing			Complete	Sep-22
Rank	Substation	Circuit	District	Customers	Outages
16	Grandview	00354-51	Oil City	522	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.66	Trees Off Row-Tree	89%	2Q 2022
	SAIDI	1,843.03	Unknown	5%	3Q 2022
	SAIFI	4.78	Vehicle	3%	4Q 2022
	CAIDI	385.82	All Other	4%	1Q 2023
	Customer Minutes	958,376			
	Customers Affected	2,484			
	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			To Be Completed	0%
	On cycle tree clearing			To Be Completed	99%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
17	Utica Junction	00331-51	Oil City	633	43
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.65	Trees Off Row-Tree	88%	3Q 2022
	SAIDI	1,501.29	Trees Off Row-Limb	8%	4Q 2022
	SAIFI	2.28	Equipment Failure	1%	1Q 2023
	CAIDI	657.46	All Other	3%	
	Customer Minutes	953,319			
	Customers Affected	1,450			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	May-22
	Repair damage caused by trees during a storm (Limb)			Complete	Jul-22
	Repair damage caused by trees during a storm			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
18	Logan	00700-81	Lewistown	1,000	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.61	Trees Off Row-Tree	76%	2Q 2022
	SAIDI	934.87	Vehicle	12%	4Q 2022
	SAIFI	2.65	Equipment Failure	10%	1Q 2023
	CAIDI	352.56	All Other	3%	
	Customer Minutes	933,939			
	Customers Affected	2,649			
	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
19	Madera	00166-22	Philipsburg	1,712	74
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.61	Trees Off Row-Tree	71%	2Q 2022
	SAIDI	435.28	Forced Outage	10%	4Q 2022
	SAIFI	2.52	Lightning	6%	1Q 2023
	CAIDI	172.77	All Other	14%	
	Customer Minutes	929,317			
	Customers Affected	5,379			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	May-22
	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
Rank	Substation	Circuit	District	Customers	Outages
20	Snakespring	00634-73	Altoona	1,049	11
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.54	Line Failure	36%	3Q 2022
	SAIDI	781.19	Lightning	22%	4Q 2022
	SAIFI	5.68	Equipment Failure	22%	
	CAIDI	137.62	All Other	20%	
	Customer Minutes	890,553			
	Customers Affected	6,471			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Feb-22
	Repair damage caused by lightning			Complete	Jul-22
	Repair equipment failure			Complete	Sep-22
	Repair line failure			Complete	Jun-23

Penelec					
Rank	Substation		District	Customers	Outages
21	N Meshoppen Tran	00531-65	Montrose	684	58
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.52	Trees Off Row-Tree	40%	2Q 2022
	SAIDI	1,965.91	Equipment Failure	27%	3Q 2022
	SAIFI	12.30	Line Failure	19%	4Q 2022
	CAIDI	159.78	All Other	14%	1Q 2023
	Customer Minutes	880,727			
	Customers Affected	5,512			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Mar-22
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees			Complete	Sep-22
	Circuit inspection			Complete	Apr-23
	Targeted Circuit Rehab			To Be Completed	0%
Rank	Substation	Circuit	District	Customers	Outages
22	Lenox	00755-65	Montrose	683	45
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.52	Trees Off Row-Tree	43%	2Q 2022
	SAIDI	1,290.81	Equipment Failure	28%	3Q 2022
	SAIFI	3.36	Lightning	14%	4Q 2022
	CAIDI	384.20	All Other	15%	1Q 2023
	Customer Minutes	879,043			
	Customers Affected	2,288			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair equipment failure			Complete	May-22
	Repair damage caused by trees during a storm			Complete	Aug-22
	On cycle tree clearing			To Be Completed	0%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
23	Tionesta	00344-51	Oil City	517	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.51	Trees Off Row-Tree	72%	1Q 2023
	SAIDI	1,695.35	Unknown	24%	
	SAIFI	4.60	Forced Outage	3%	
	CAIDI	368.80	All Other	1%	
	Customer Minutes	874,799			
	Customers Affected	2,372			
	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	Outages
24	Oxbow	00555-65	Montrose	728	40
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.40	Trees Off Row-Tree	77%	2Q 2022
	SAIDI	1,113.94	Equipment Failure	12%	3Q 2022
	SAIFI	3.17	Lightning	4%	4Q 2022
	CAIDI	351.54	All Other	6%	1Q 2023
	Customer Minutes	812,064			
	Customers Affected	2,310			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Aug-22
	Repair damage caused by trees			Complete	Sep-22
Repair equipment failure			Complete	Jan-23	
Rank	Substation	Circuit	District	Customers	Outages
25	Grandview	00353-51	Oil City	860	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.37	Wind	48%	1Q 2023
	SAIDI	919.84	Line Failure	33%	
	SAIFI	2.68	Trees Off Row-Limb	10%	
	CAIDI	343.49	All Other	9%	
	Customer Minutes	791,061			
	Customers Affected	2,303			
	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

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
26	North Warren	00596-41	Warren	1,121	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.36	Trees Off Row-Tree	87%	2Q 2022
	SAIDI	701.19	Trees Off Row-Limb	7%	3Q 2022
	SAIFI	1.96	Unknown	3%	4Q 2022
	CAIDI	356.97	All Other	3%	
	Customer Minutes	785,335			
	Customers Affected	2,200			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Feb-22
	Repair damage caused by trees during a storm			Complete	Mar-22
	Repair equipment failure			Complete	Mar-22
	Repair damage caused by trees			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
27	East Towanda	00525-62	Towanda	627	48
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.34	Trees Off Row-Tree	37%	2Q 2022
	SAIDI	1,167.28	Equipment Failure	27%	3Q 2022
	SAIFI	3.85	Lightning	25%	4Q 2022
	CAIDI	303.25	All Other	12%	1Q 2023
	Customer Minutes	773,904			
	Customers Affected	2,552			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Feb-22
	Repair damage caused by ice			Complete	Apr-22
	Restore recloser operation of unknown cause			Complete	May-22
	Repair equipment failure			Complete	Jul-22
	Repair damage caused by lightning			Complete	Jul-22
Targeted Circuit Rehab			To Be Completed	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
28	Russell Hill	00282-65	Montrose	699	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.31	Equipment Failure	46%	2Q 2022
	SAIDI	804.63	Overload	22%	3Q 2022
	SAIFI	3.51	Trees Off Row-Tree	18%	4Q 2022
	CAIDI	229.34	All Other	14%	1Q 2023
	Customer Minutes	756,352			
	Customers Affected	3,298			
	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
29	Dubois	00131-23	Dubois	991	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.28	Line Failure	64%	1Q 2023
	SAIDI	834.11	Trees Off Row-Tree	17%	
	SAIFI	4.81	Forced Outage	9%	
	CAIDI	173.36	All Other	10%	
	Customer Minutes	739,022			
	Customers Affected	4,263			
	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
Rank	Substation	Circuit	District	Customers	Outages
30	Utica Junction	00511-51	Oil City	395	47
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.25	Trees Off Row-Tree	68%	1Q 2023
	SAIDI	1,822.21	Trees Off Row-Limb	13%	
	SAIFI	7.01	Equipment Failure	9%	
	CAIDI	260.13	All Other	11%	
	Customer Minutes	721,597			
	Customers Affected	2,774			
	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

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
31	Brookville	00125-23	Dubois	615	46
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.24	Trees Off Row-Tree	61%	2Q 2022
	SAIDI	1,168.88	Equipment Failure	30%	3Q 2022
	SAIFI	4.45	Unknown	4%	4Q 2022
	CAIDI	262.70	All Other	5%	1Q 2023
	Customer Minutes	717,694			
	Customers Affected	2,732			
	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
Rank	Substation	Circuit	District	Customers	Outages
32	Elk Run	00622-23	Dubois	1,013	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.24	Trees Off Row-Tree	69%	3Q 2022
	SAIDI	705.57	Forced Outage	25%	4Q 2022
	SAIFI	3.54	Unknown	3%	1Q 2023
	CAIDI	199.15	All Other	2%	
	Customer Minutes	714,743			
	Customers Affected	3,589			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	May-22
	Repair damage caused by trees			Complete	Jul-22
	Repair equipment failure (forced outage)			Complete	Nov-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
33	Warren South	00219-41	Warren	320	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.22	Trees Off Row-Tree	88%	3Q 2022
	SAIDI	2,201.52	Equipment Failure	7%	4Q 2022
	SAIFI	4.67	Forced Outage	2%	1Q 2023
	CAIDI	471.86	All Other	3%	
	Customer Minutes	704,486			
	Customers Affected	1,493			
	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			Complete	Jul-22
	Circuit inspection			Complete	Apr-23
Rank	Substation	Circuit	District	Customers	Outages
34	Revloc	00069-72	Altoona	558	8
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.17	Ice	46%	1Q 2023
	SAIDI	1,220.15	Trees On Row	41%	
	SAIFI	2.06	Trees Off Row-Tree	6%	
	CAIDI	593.04	All Other	6%	
	Customer Minutes	679,622			
	Customers Affected	1,146			
	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
35	Emlenton	00322-51	Oil City	453	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.16	Wind	71%	1Q 2023
	SAIDI	1,482.09	Trees Off Row-Tree	11%	
	SAIFI	2.76	Equipment Failure	11%	
	CAIDI	537.11	All Other	7%	
	Customer Minutes	671,386			
	Customers Affected	1,250			
	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
	Rank	Substation	Circuit	District	Customers
36	Thompson	00442-65	Montrose	652	32
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.12	Trees Off Row-Limb	46%	2Q 2022
	SAIDI	987.11	Lightning	13%	3Q 2022
	SAIFI	4.27	Unknown	13%	4Q 2022
	CAIDI	231.43	All Other	27%	1Q 2023
	Customer Minutes	647,543			
	Customers Affected	2,798			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm (Tree)			Complete	Apr-22
	Repair damage caused by trees during a storm (Limb)			Complete	Jul-22
	Repair damage caused by lightning			Complete	Aug-22
Restore fuse operation of unknown cause			Complete	Dec-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
37	Hepburnia	00778-21	Clearfield	665	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.12	Lightning	55%	3Q 2022
	SAIDI	971.88	Trees Off Row-Tree	33%	4Q 2022
	SAIFI	2.65	Forced Outage	6%	
	CAIDI	367.22	All Other	7%	
	Customer Minutes	646,299			
	Customers Affected	1,760			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by the object in contact with line			Complete	Mar-22
	Repair damage caused by lightning			Complete	Jul-22
	Repair damage caused by trees during a storm (Tree)			Complete	Apr-23
	Rank	Substation	Circuit	District	Customers
38	Knox	00325-51	Oil City	973	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.10	Equipment Failure	34%	
	SAIDI	652.90	Unknown	31%	
	SAIFI	4.34	Trees Off Row-Tree	21%	
	CAIDI	150.49	All Other	14%	
	Customer Minutes	634,622			
	Customers Affected	4,217			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-22
	Restore breaker operation of unknown cause			Complete	Aug-22
	Repair equipment failure			Complete	Apr-23
	Rank	Substation	Circuit	District	Customers
39	Covington	00727-63	Mansfield Pa	263	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.10	Trees Off Row-Tree	98%	1Q 2023
	SAIDI	2,420.19	Equipment Failure	1%	
	SAIFI	3.20	Line Failure	0%	
	CAIDI	756.67	All Other	0%	
	Customer Minutes	634,091			
	Customers Affected	838			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Feb-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
40	Industrial Park	00796-65	Montrose	358	18
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.07	Vehicle	27%	2Q 2022
	SAIDI	1,719.81	Equipment Failure	26%	3Q 2022
	SAIFI	4.06	Lightning	21%	4Q 2022
	CAIDI	423.77	All Other	26%	1Q 2023
	Customer Minutes	619,130			
	Customers Affected	1,461			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by lightning			Complete	Jul-22
	Repair equipment failure			Complete	Aug-22
	Repair damage caused by vehicle accident			Complete	Feb-23
Rank	Substation	Circuit	District	Customers	Outages
41	Laurel Lake Sub Tran	00448-65	Montrose	404	17
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.05	Trees Off Row-Tree	29%	3Q 2022
	SAIDI	1,709.32	Equipment Failure	24%	4Q 2022
	SAIFI	2.12	Lightning	22%	1Q 2023
	CAIDI	805.98	All Other	25%	
	Customer Minutes	608,518			
	Customers Affected	755			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Apr-22
	Repair equipment failure			Complete	Jul-22
	Repair damage caused by lightning			Complete	Jul-22
	Circuit inspection			Complete	Apr-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
42	Titusville	00387-51	Oil City	626	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.03	Trees Off Row-Tree	52%	1Q 2023
	SAIDI	954.35	Line Failure	30%	
	SAIFI	3.38	Equipment Failure	12%	
	CAIDI	282.15	All Other	6%	
	Customer Minutes	596,466			
	Customers Affected	2,114			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Aug-22
	Repair equipment failure			Complete	Oct-22
	Repair line failure			Complete	Nov-22
	Rank	Substation	Circuit	District	Customers
43	Athens	00511-61	Towanda	813	32
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.97	Equipment Failure	76%	
	SAIDI	736.26	Lightning	13%	
	SAIFI	3.06	Trees Off Row-Tree	7%	
	CAIDI	240.91	All Other	4%	
	Customer Minutes	563,976			
	Customers Affected	2,341			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-22
	Repair damage caused by lightning			Complete	Jul-22
	Repair equipment failure			Complete	Apr-23
	Rank	Substation	Circuit	District	Customers
44	Wyalusing	00532-62	Towanda	724	43
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.97	Lightning	52%	2Q 2022
	SAIDI	737.03	Unknown	27%	3Q 2022
	SAIFI	5.97	Trees Off Row-Tree	6%	4Q 2022
	CAIDI	123.46	All Other	14%	1Q 2023
	Customer Minutes	561,617			
	Customers Affected	4,549			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Mar-22
	Repair damage caused by lightning			Complete	Apr-22
	Repair damage caused by ice			Complete	Apr-22
	Circuit inspection			Complete	Aug-22
Restore fuse operation of unknown cause			Complete	May-23	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
45	Lewis Run	00409-42	Bradford	733	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.97	Trees Off Row-Tree	59%	
	SAIDI	775.10	Unknown	20%	
	SAIFI	3.65	Equipment Failure	17%	
	CAIDI	212.48	All Other	4%	
	Customer Minutes	561,171			
	Customers Affected	2,641			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Mar-23
	Restore recloser operation of unknown cause			Complete	Mar-23
	Repair equipment failure			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
46	Franklin	00307-51	Oil City	628	12
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.96	Trees Off Row-Tree	66%	1Q 2023
	SAIDI	880.17	Line Failure	28%	
	SAIFI	2.56	Trees Off Row-Limb	2%	
	CAIDI	343.96	All Other	4%	
	Customer Minutes	552,748			
	Customers Affected	1,607			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage cause by lightning			Complete	May-22
	Repair damage caused by trees (Limb)			Complete	Aug-22
	Repair line failure			Complete	Nov-22
Repair damage caused by trees			Complete	Mar-23	
Rank	Substation	Circuit	District	Customers	Outages
47	Lowell Avenue	00518-31	Erie	899	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.95	Bird	40%	
	SAIDI	629.54	Lightning	15%	
	SAIFI	5.46	Forced Outage	12%	
	CAIDI	115.32	All Other	33%	
	Customer Minutes	547,069			
	Customers Affected	4,744			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-22
	Forced outage to transfer poles			Complete	Aug-22
	Repair damage caused by bird			Complete	Apr-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
48	Laurel Lake Sub Tran	00449-65	Montrose	521	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.94	Trees Off Row-Tree	74%	2Q 2022
	SAIDI	1,050.20	Unknown	11%	3Q 2022
	SAIFI	2.44	Line Failure	5%	4Q 2022
	CAIDI	431.02	All Other	9%	1Q 2023
	Customer Minutes	546,105			
	Customers Affected	1,267			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Jul-22
	Repair line failure			Complete	Mar-23
	Restore fuse operation of unknown cause			Complete	Apr-23
Rank	Substation	Circuit	District	Customers	Outages
49	Crown	00519-51	Oil City	663	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.92	Trees Off Row-Tree	61%	
	SAIDI	824.07	Forced Outage	14%	
	SAIFI	3.65	Equipment Failure	9%	
	CAIDI	225.58	All Other	16%	
	Customer Minutes	529,879			
	Customers Affected	2,349			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure (forced outage)			Complete	Mar-23
	Repair damage caused by trees			Complete	Apr-23
	Rank	Substation	Circuit	District	Customers
50	Division Street	00561-31	Erie	359	6
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.91	Wind	86%	
	SAIDI	1,546.94	Unknown	12%	
	SAIFI	3.14	Lightning	1%	
	CAIDI	493.06	All Other	0%	
	Customer Minutes	529,052			
	Customers Affected	1,073			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by wind			Complete	Mar-23

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
51	Grandview	00524-51	Oil City	374	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.89	Trees Off Row-Tree	68%	
	SAIDI	1,383.03	Unknown	21%	
	SAIFI	2.48	Vehicle	6%	
	CAIDI	557.38	All Other	5%	
	Customer Minutes	517,253			
	Customers Affected	928			
	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
52	Scalp Level	00031-11	Johnstown	1,054	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.88	Equipment Failure	69%	
	SAIDI	423.26	Unknown	25%	
	SAIFI	2.06	Trees Off Row-Tree	5%	
	CAIDI	205.12	All Other	1%	
	Customer Minutes	506,642			
	Customers Affected	2,470			
	Remedial Action Planned or Taken			Status	Progress
	Restore breaker operation of unknown cause			Complete	Dec-22
	Repair equipment failure			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
53	Falls	00297-65	Montrose	812	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.87	Trees Off Row-Tree	58%	3Q 2022
	SAIDI	618.42	Lightning	20%	4Q 2022
	SAIFI	3.70	Unknown	9%	
	CAIDI	167.20	All Other	12%	
	Customer Minutes	502,774			
	Customers Affected	3,007			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-22
Repair damage caused by trees			Complete	Aug-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
54	Edinboro	00420-34	Erie	1,601	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.86	Forced Outage	83%	
	SAIDI	309.77	Equipment Failure	6%	
	SAIFI	3.51	Unknown	5%	
	CAIDI	88.14	All Other	6%	
	Customer Minutes	496,564			
	Customers Affected	5,634			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees (forced)			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
55	Natl Forge Sw Sta	00577-41	Warren	1,194	60
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.84	Trees Off Row-Tree	66%	2Q 2022
	SAIDI	410.32	Trees Off Row-Limb	15%	3Q 2022
	SAIFI	2.83	Lightning	5%	4Q 2022
	CAIDI	145.07	All Other	14%	1Q 2023
	Customer Minutes	487,870			
	Customers Affected	3,363			
	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	
On cycle tree clearing			To Be Completed	45%	
Rank	Substation	Circuit	District	Customers	Outages
56	Mercer Pike	00474-52	Meadville	459	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.81	Trees Off Row-Tree	37%	
	SAIDI	1,021.82	Wind	32%	
	SAIFI	2.49	Animal	16%	
	CAIDI	409.62	All Other	15%	
	Customer Minutes	469,015			
	Customers Affected	1,145			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by beavers			Complete	Dec-22
Repair damage caused by trees			Complete	Mar-23	
Repair damage caused by wind			Complete	Mar-23	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
57	Erie West	00267-34	Erie	411	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.80	Trees Off Row-Tree	74%	
	SAIDI	1,059.37	Forced Outage	10%	
	SAIFI	4.92	Line Failure	10%	
	CAIDI	215.22	All Other	6%	
	Customer Minutes	462,943			
	Customers Affected	2,151			
	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
	Forced outage to return line to normal configuration			Complete	Dec-22
	Rank	Substation	Circuit	District	Customers
58	Union City	00207-43	Erie	849	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.80	Trees Off Row-Tree	48%	
	SAIDI	545.56	Equipment Failure	26%	
	SAIFI	3.60	Line Failure	22%	
	CAIDI	151.39	All Other	5%	
	Customer Minutes	462,637			
	Customers Affected	3,056			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-22
	Repai equipment failure			Complete	Feb-23
	Repair line failure			Complete	Mar-23
	Rank	Substation	Circuit	District	Customers
59	Warren South	00255-41	Warren	590	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.78	Trees Off Row-Tree	58%	3Q 2022
	SAIDI	737.62	Line Failure	17%	1Q 2023
	SAIFI	3.80	Trees Off Row-Limb	9%	
	CAIDI	194.08	All Other	15%	
	Customer Minutes	451,424			
	Customers Affected	2,326			
	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

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
60	Scalp Level	00932-11	Johnstown	1,073	36	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.77	Trees Off Row-Tree	58%		
	SAIDI	414.48	Equipment Failure	36%		
	SAIFI	4.03	Unknown	3%		
	CAIDI	102.76	All Other	3%		
	Customer Minutes	445,564				
	Customers Affected	4,336				
	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
Rank	Substation	Circuit	District	Customers	Outages	
61	Russell Hill	00765-65	Montrose	373	30	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.76	Trees Off Row-Tree	85%	2Q 2022	
	SAIDI	1,175.58	Unknown	7%	3Q 2022	
	SAIFI	2.06	Animal	4%	4Q 2022	
	CAIDI	570.26	All Other	5%	1Q 2023	
	Customer Minutes	439,667				
	Customers Affected	771				
	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
	On cycle tree clearing				Complete	Jun-22
Repair damage caused by trees during a storm				Complete	Jul-22	
Circuit inspection				Complete	Apr-23	
Rank	Substation	Circuit	District	Customers	Outages	
62	Holidaysburg	00035-71	Altoona	1,077	15	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.73	Trees Off Row-Tree	71%		
	SAIDI	453.87	Forced Outage	25%		
	SAIFI	1.97	Equipment Failure	3%		
	CAIDI	230.76	All Other	1%		
	Customer Minutes	424,371				
	Customers Affected	1,839				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	Jul-22
Repair damage caused by vehicle accident (forced)				Complete	Jul-22	

Penelec					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	2Q 2022	3Q 2022	4Q 2022	1Q 2023
Brooklyn	00748-65	X	X	X	
Brooklyn	00749-65	X	X	X	
Canton	00608-63	X	X		
Cranberry	00350-51	X	X	X	
Crown	00320-51	X	X		
Dubois	00124-23	X	X		
Dubois	00137-23	X	X	X	
East Pike	00095-13	X	X		
Knox	00323-51	X	X		
Laceyville	00612-65	X	X		
Lake Como	00787-65	X	X	X	
Laurel Lake Sub Tran	00769-65	X	X	X	
Lenox	00434-65	X	X	X	
Lenox	00757-65	X	X		
Marienville	00328-51	X	X	X	
N Meshoppen Tran	00437-65	X	X	X	
North Towanda	00521-62		X	X	
Piney	00523-51	X	X		
Reeder Street	00041-11	X	X	X	
Somerset	00031-12	X	X		
Spangler	00051-72	X	X		
Spangler	00052-72	X	X		
Thompson	00436-65	X	X	X	
Tiffany	00440-65	X	X	X	
Tionesta Sw St	00498-51	X	X	X	
Union City	00206-43	X	X	X	

Penelec				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Progress of Remedial Work or Date Completed
Tiffany	00440-65	Tiffany	45%	
National Forge Switching Station	00577-41	National Forge Switching Station	0%	
Lenox	00755-65	Lenox	Completed	
Montrose	00457-65	Montrose	0%	5/9/2023
Brooklyn	00749-65	Brooklyn	0%	
Lenox	00434-65	Lenox	99%	
Grandview	00354-51	Grandview	27%	
East Pike	00095-13	East Pike	91%	
Canton	00608-63	Canton	Completed	
Logan	00700-81	Logan	0%	4/27/2023
Lenox	00757-65	Lenox	Completed	
N Meshoppen Tran	00534-65	N Meshoppen Tran	Completed	3/6/2023
Tiffany	00440-65	Tiffany	Completed	4/17/2023
N Meshoppen Tran	00531-65	N Meshoppen Tran	Completed	4/17/2023
Montrose	00457-65	Montrose	Completed	4/11/2023
Laurel Lake Sub Tran	00769-65	Laurel Lake Sub Tran	Completed	4/17/2023
Madera	00165-22	Madera	Completed	3/15/2023
Knox	00323-51	Knox	Completed	4/14/2023
Russell Hill	00765-65	Russell Hill	Completed	4/12/2023
Union City	00239-43	Union City	Completed	3/14/2023
Laurel Lake Sub Tran	00448-65	Laurel Lake Sub Tran	Completed	4/17/2023
Brookville	00125-23	Brookville	Completed	5/1/2023
North Towanda	00521-62	North Towanda	Completed	3/10/2023
Warren South	00219-41	Warren South	Completed	4/29/2023
Grandview	00354-51	Grandview		
East Pike	00095-13	East Pike	Completed	
Reeder Street	00041-11	Reeder Street	Completed	5/15/2023
Somerset	00031-12	Somerset	Completed	7/5/2023
Somerset	00031-12	Somerset	Completed	7/5/2023
East Pike	00096-13	East Pike		
East Pike	00096-13	East Pike		
N Meshoppen Tran	00534-65	N Meshoppen Tran		
N Meshoppen Tran	00531-65	N Meshoppen Tran		
East Towanda	00525-62	East Towanda	45%	

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
1	Hartstown	W-126	Clark	2,358	74	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	8.33	Trees Off Row-Tree	54%	3Q 2022	
	SAIDI	629.88	Vehicle	25%	4Q 2022	
	SAIFI	3.95	Trees Off Row-Limb	15%	1Q 2023	
	CAIDI	160	All Other	6%	2Q 2023	
	Customer Minutes	1,396,449				
	Customers Affected	8,752				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	Jul-22
	Repair damage caused by tree				Complete	Nov-22
	Repair damage caused by tree				Complete	Nov-22
	Repair damage caused by vehicle				Complete	Jun-23
	Rank	Substation	Circuit	District	Customers	Outages
2	Ingomar	D620	Zelienople	1,275	8	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.88	Trees Off Row-Tree	88%	1Q 2023	
	SAIDI	376.99	Forced Outage	10%	2Q 2023	
	SAIFI	1.59	Line Failure	1%		
	CAIDI	238	All Other	1%		
	Customer Minutes	482,543				
	Customers Affected	2,029				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	Dec-22
	Repair damage caused by tree				Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages	
3	Camp Reynolds	W-134	Clark	1,749	62	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.04	Trees Off Row-Tree	43%	2Q 2023	
	SAIDI	197.32	Equipment Failure	31%		
	SAIFI	1.31	Lightning	9%		
	CAIDI	151	All Other	17%		
	Customer Minutes	341,958				
	Customers Affected	2,269				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	Mar-23

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
4	Stoneboro	W-132	Clark	984	47	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.97	Trees Off Row-Tree	48%	1Q 2023	
	SAIDI	334.30	Equipment Failure	31%	2Q 2023	
	SAIFI	1.95	Line Failure	10%		
	CAIDI	171	All Other	11%		
	Customer Minutes	329,955				
	Customers Affected	1,924				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by equipment failure				Complete	Oct-22
Rank	Substation	Circuit	District	Customers	Outages	
5	Conneaut	W-173	Clark	1,775	22	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.64	Vehicle	86%	1Q 2023	
	SAIDI	142.82	Animal	6%	2Q 2023	
	SAIFI	1.23	Unknown	3%		
	CAIDI	116	All Other	5%		
	Customer Minutes	275,067				
	Customers Affected	2,372				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by vehicle				Complete	Feb-23
Rank	Substation	Circuit	District	Customers	Outages	
6	Stoneboro	W-131	Clark	1,489	50	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.61	Trees Off Row-Tree	69%	3Q 2022	
	SAIDI	181.69	Unknown	11%	4Q 2022	
	SAIFI	1.04	Line Failure	7%	1Q 2023	
	CAIDI	175	All Other	13%	2Q 2023	
	Customer Minutes	270,529				
	Customers Affected	1,545				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	May-22
Rank	Substation	Circuit	District	Customers	Outages	
7	Hartstown	W-125	Clark	822	34	
	Reliability		Outage by Cause		Previously Ranked	

Penn Power						
	SAIDI Impact	1.59	Vehicle	35%	2Q 2023	
	SAIDI	474.77	Trees Off Row-Tree	22%		
	SAIFI	2.88	Bird	20%		
	CAIDI	165	All Other	23%		
	Customer Minutes	267,298				
	Customers Affected	1,624				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by vehicle				Complete	Jun-23
	Repair damage caused by vehicle				Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages	
8	Union	W-561	New Castle	1,188	26	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.38	Trees Off Row-Tree	50%		
	SAIDI	194.60	Tree Off Row - Limb	17%	3Q 2022	
	SAIFI	1.02	Line Failure	12%	4Q 2022	
	CAIDI	191	All Other	21%	2Q 2023	
	Customer Minutes	230,596				
	Customers Affected	1,210				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	Jul-22
Repair damage caused by tree				Complete	Aug-22	
Rank	Substation	Circuit	District	Customers	Outages	
9	Mercer	W-167	Clark	854	28	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.26	Line Failure	35%	3Q 2022	
	SAIDI	227.89	Equipment Failure	28%	1Q 2023	
	SAIFI	1.64	Tree Off Row - Limb	14%	2Q 2023	
	CAIDI	139	All Other	23%		
	Customer Minutes	211,940				
	Customers Affected	1,523				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by line failure				Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages	
10	Ray Street	D-389	New Castle	1,214	6	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.25	Line Failure	94%	3Q 2022	
	SAIDI	172.01	Lightning	3%	4Q 2022	

Penn Power					
	SAIFI	1.08	Equipment Failure	2%	2Q 2023
	CAIDI	159	All Other	1%	
	Customer Minutes	208,996			
	Customers Affected	1,315			
Remedial Action Planned or Taken				Status	Progress
Repair damage caused by line failure				Complete	Aug-22

Penn Power					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2022	4Q 2022	1Q 2023	2Q 2023
Hadley	W-195	.X	X		
Harlan	D-344	X	X	X	
Jamestown	W-162	X	X	X	
Mcknight	W748	X	X		
Richard	W742	X	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	1,178	38	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	5.22	Trees Off Row-Tree	84%	Q1 2023	
	SAIDI	3,207.45	Wind	11%	Q2 2023	
	SAIFI	2.555	Line Failure	4%		
	CAIDI	1,255	All Other	1%		
	Customer Minutes	3,791,208				
	Customers Affected	3,020				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Mar-23
	Repair line failure				Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages	
2	Bethlen	Laurel Valley	Latrobe	1,425	62	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.24	Trees Off Row-Tree	87%	Q1 2023	
	SAIDI	1,659.66	Trees Off Row-Limb	10%	Q2 2023	
	SAIFI	1.989	Forced Outage	1%		
	CAIDI	834	All Other	2%		
	Customer Minutes	2,356,722				
	Customers Affected	2,825				
	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	
Rank	Substation	Circuit	District	Customers	Outages	
3	Fort Palmer	Oakgrove	Latrobe	675	35	
	Reliability		Outage by Cause		Previously Ranked	
	c	3.05	Trees Off Row-Tree	97%	Q2 2023	
	SAIDI	3,272.17	Wind	1%		
	SAIFI	1.909	Forced Outage	1%		
	CAIDI	1,714	All Other	2%		
	Customer Minutes	2,218,529				
	Customers Affected	1,294				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Apr-23
	Overhead Circuit Inspection (62256770)				Complete	May-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
4	Bethlen	Laughlintown	Latrobe	1,092	70
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.70	Trees Off Row-Tree	80%	Q2 2023
	SAIDI	1,793.14	Vehicle	13%	
	SAIFI	1.688	Wind	4%	
	CAIDI	1,062	All Other	3%	
	Customer Minutes	1,963,485			
	Customers Affected	1,848			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
5	Karns City	Kaylor	Butler	1,148	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.49	Trees Off Row-Tree	86%	Q1 2023
	SAIDI	1,574.21	Vehicle	6%	Q2 2023
	SAIFI	2.672	Wind	3%	
	CAIDI	589	All Other	4%	
	Customer Minutes	1,807,188			
	Customers Affected	3,067			
	Remedial Action Planned or Taken			Status	Progress
	Restor unknown outage during a storm			Complete	Jun-22
	Repair damage caused by a tree			Complete	Mar-23
Repair damage caused by a tree			Complete	Jun-23	
Rank	Substation	Circuit	District	Customers	Outages
6	St. Clair	Valley	Boyce	2,627	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.46	Trees Off Row-Limb	51%	Q2 2023
	SAIDI	679.11	Trees On Row	17%	
	SAIFI	1.523	Trees Off Row-Tree	13%	
	CAIDI	446	All Other	18%	
	Customer Minutes	1,786,049			
	Customers Affected	4,006			
	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	
7	Bethelboro	Coolspring	Uniontown	1,456	35	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.29	Trees Off Row-Tree	83%	Q2 2023	
	SAIDI	1,144.62	Vehicle	11%		
	SAIFI	1.549	Equipment Failure	4%		
	CAIDI	739	All Other	2%		
	Customer Minutes	1,660,837				
	Customers Affected	2,247				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a vehicle				Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages	
8	Butler	Penn St	Butler	2,619	24	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.14	Unknown	92%	Q1 2023	
	SAIDI	591.16	Forced Outage	4%	Q2 2023	
	SAIFI	1.488	Trees Off Row-Tree	2%		
	CAIDI	397	All Other	2%		
	Customer Minutes	1,555,335				
	Customers Affected	3,914				
	Remedial Action Planned or Taken				Status	Progress
	Overhead Circuit Inspection (62256716)				Complete	Feb-23
Restore unknown outage				Complete	Mar-23	
Repair damage caused by a tree				Complete	Jun-23	
Rank	Substation	Circuit	District	Customers	Outages	
9	St. Clair	Fort Couch	Boyce	1,157	29	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.11	Trees Off Row-Tree	80%	Q3 2022	
	SAIDI	1,321.64	Trees On Row	10%	Q4 2022	
	SAIFI	3.123	Trees Off Row-Limb	6%	Q1 2023	
	CAIDI	423	All Other	4%	Q2 2023	
	Customer Minutes	1,529,137				
	Customers Affected	3,613				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree during a storm				Complete	Aug-22
Repair damage caused by a tree				Complete	Oct-22	
Repair damage caused by a tree				Complete	Mar-23	
Repair damage caused by a tree				Complete	Jun-23	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
10	Springfield Pike	Rock Ridge	Pleasant Valley	737	18
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.08	Trees Off Row-Tree	82%	Q1 2023
	SAIDI	2,054.60	Equipment Failure	8%	Q2 2023
	SAIFI	3.249	Line Failure	5%	
	CAIDI	632	All Other	5%	
	Customer Minutes	1,508,080			
	Customers Affected	2,385			
	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
	Rank	Substation	Circuit	District	Customers
11	Franklin (Wpp)	S Waynesburg	Jefferson	2,071	43
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.01	Unknown	67%	Q4 2022
	SAIDI	706.62	Trees Off Row-Tree	28%	Q1 2023
	SAIFI	3.691	Animal	2%	Q2 2023
	CAIDI	191	All Other	3%	
	Customer Minutes	1,458,467			
	Customers Affected	7,618			
	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
	Rank	Substation	Circuit	District	Customers
12	Ethel Springs	Railroad	Latrobe	723	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.94	Trees Off Row-Tree	95%	Q1 2023
	SAIDI	1,932.16	Unknown	4%	Q2 2023
	SAIFI	2.396	Vehicle	1%	
	CAIDI	806	All Other	1%	
	Customer Minutes	1,410,477			
	Customers Affected	1,749			
	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

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
13	North Union	Phillips	Uniontown	1,470	29	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.93	Trees Off Row-Tree	94%	Q2 2023	
	SAIDI	952.56	Forced Outage	3%		
	SAIFI	1.562	Unknown	1%		
	CAIDI	610	All Other	2%		
	Customer Minutes	1,402,173				
	Customers Affected	2,299				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages	
14	South Union	Brownfield	Uniontown	1,816	32	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.89	Trees Off Row-Tree	68%	Q2 2023	
	SAIDI	755.38	Vehicle	16%		
	SAIFI	2.285	Unknown	12%		
	CAIDI	331	All Other	3%		
	Customer Minutes	1,374,785				
	Customers Affected	4,159				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a vehicle				Complete	Apr-23
Rank	Substation	Circuit	District	Customers	Outages	
15	Blue Ridge Summit	Sabillasville	Waynesboro	965	48	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.89	Line Failure	23%	Q4 2022	
	SAIDI	1,416.04	Unknown	23%	Q1 2023	
	SAIFI	4.349	Trees Off Row-Tree	17%	Q2 2023	
	CAIDI	326	All Other	38%		
	Customer Minutes	1,370,722				
	Customers Affected	4,210				
	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

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
16	Whitney	Pleasant Unity	Latrobe	1,411	46
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.88	Trees Off Row-Tree	65%	Q1 2023
	SAIDI	960.91	Unknown	15%	Q2 2023
	SAIFI	1.915	Line Failure	13%	
	CAIDI	502	All Other	7%	
	Customer Minutes	1,362,571			
	Customers Affected	2,716			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair equipment failure			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
17	Rutan	Bristoria	Jefferson	1,116	67
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.76	Trees Off Row-Tree	62%	Q3 2022
	SAIDI	1,151.04	Unknown	17%	Q4 2022
	SAIFI	2.067	Line Failure	8%	Q1 2023
	CAIDI	557	All Other	13%	Q2 2023
	Customer Minutes	1,279,959			
	Customers Affected	2,299			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Jul-22
	Repair line failure			Complete	Nov-22
Repair damage caused by a tree			Complete	Feb-23	
Repair equipment failure			Complete	May-23	
Rank	Substation	Circuit	District	Customers	Outages
18	Ethel Springs	Peach Hollow	Latrobe	2,412	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.72	Trees Off Row-Tree	71%	Q1 2023
	SAIDI	517.98	Unknown	14%	Q2 2023
	SAIFI	2.577	Wind	9%	
	CAIDI	201	All Other	7%	
	Customer Minutes	1,248,335			
	Customers Affected	6,210			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Feb-23
	Repair damage caused by a tree			Complete	Mar-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
19	Laurelville	Laurelville	Pleasant Valley	660	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.66	Trees Off Row-Tree	88%	Q1 2023
	SAIDI	1,829.37	Equipment Failure	5%	Q2 2023
	SAIFI	3.213	Vehicle	4%	
	CAIDI	569	All Other	3%	
	Customer Minutes	1,209,216			
	Customers Affected	2,124			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair equipment failure			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
20	Whitney	Youngstown	Latrobe	1,233	57
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.64	Trees Off Row-Tree	84%	Q3 2022
	SAIDI	966.82	Wind	6%	Q4 2022
	SAIFI	1.927	Unknown	4%	Q1 2023
	CAIDI	502	All Other	6%	Q2 2023
	Customer Minutes	1,193,054			
	Customers Affected	2,378			
	Remedial Action Planned or Taken			Status	Progress
	Overhead Circuit Inspection (61645994)			Complete	Aug-22
	Repair damage caused by a tree			Complete	Sep-22
	Repair damage caused by wind			Complete	Dec-22
	Repair damage caused by a tree			Complete	Mar-23
Repair damage caused by an animal			Complete	May-23	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
21	Peters	Boxer	Boyce	2,192	21
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.55	Trees Off Row-Tree	76%	Q1 2023
	SAIDI	512.80	Trees On Row	15%	Q2 2023
	SAIFI	2.246	Equipment Failure	3%	
	CAIDI	228	All Other	6%	
	Customer Minutes	1,123,042			
	Customers Affected	4,918			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Repair line failure			Complete	May-23
Rank	Substation	Circuit	District	Customers	Outages
22	Kittanning	Cadogan	Kittanning	989	13
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.53	Unknown	65%	Q1 2023
	SAIDI	1,121.72	Trees Off Row-Tree	29%	Q2 2023
	SAIFI	1.888	Equipment Failure	6%	
	CAIDI	594	All Other	1%	
	Customer Minutes	1,108,261			
	Customers Affected	1,865			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
23	South Union	Rte. 119 North	Uniontown	1,733	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.52	Trees Off Row-Tree	72%	Q1 2023
	SAIDI	638.98	Unknown	24%	Q2 2023
	SAIFI	2.479	Equipment Failure	3%	
	CAIDI	258	All Other	1%	
	Customer Minutes	1,106,710			
	Customers Affected	4,293			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-23
	Forced outage to repair damage			Complete	Apr-23

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
24	Port Matilda	Port Matilda	State College	1,442	59	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.48	Trees Off Row-Tree	66%	Q2 2023	
	SAIDI	746.79	Equipment Failure	31%		
	SAIFI	2.923	Forced Outage	1%		
	CAIDI	255	All Other	2%		
	Customer Minutes	1,075,374				
	Customers Affected	4,209				
	Remedial Action Planned or Taken				Status	Progress
	Repair equipment failure				Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages	
25	Franklin (Wpp)	Rogersville	Jefferson	830	44	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.45	Line Failure	35%	Q3 2022	
	SAIDI	1,279.90	Trees Off Row-Tree	33%	Q4 2022	
	SAIFI	2.778	Unknown	27%	Q1 2023	
	CAIDI	461	All Other	5%	Q2 2023	
	Customer Minutes	1,055,914				
	Customers Affected	2,292				
	Remedial Action Planned or Taken				Status	Progress
	Repair line failure				Complete	Sep-22
	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
Rank	Substation	Circuit	District	Customers	Outages	
26	Millheim	Rebersburg	State College	808	30	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.45	Trees Off Row-Tree	96%	Q4 2022	
	SAIDI	1,301.01	Line Failure	2%	Q2 2023	
	SAIFI	1.486	Unknown	1%		
	CAIDI	876	All Other	1%		
	Customer Minutes	1,049,916				
	Customers Affected	1,199				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a tree				Complete	Dec-22
	Overhead Circuit Inspection (62256793)				Complete	Feb-23
Restore unknown outage				Complete	May-23	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
27	Bentleyville	Ellsworth	Charleroi	1,212	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.39	Trees Off Row-Tree	64%	Q4 2022
	SAIDI	832.20	Forced Outage	23%	Q1 2023
	SAIFI	2.960	Unknown	9%	Q2 2023
	CAIDI	281	All Other	5%	
	Customer Minutes	1,009,453			
	Customers Affected	3,591			
	Remedial Action Planned or Taken			Status	Progress
	Forced outage to repair damage			Complete	Dec-22
	Repair damage caused by a tree			Complete	Feb-23
	Restore unknown outage			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
28	Rutan	Windridge	Jefferson	564	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.35	Trees Off Row-Tree	64%	Q3 2022
	SAIDI	1,822.61	Wind	30%	Q4 2022
	SAIFI	3.187	Vehicle	4%	Q1 2023
	CAIDI	572	All Other	2%	Q2 2023
	Customer Minutes	984,208			
	Customers Affected	1,721			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Aug-22
	Overhead Circuit Inspection (61645943)			Complete	Oct-22
	Repair damage caused by a tree			Complete	Nov-22
	Repair damage caused by wind			Complete	Mar-23
	Forced outage to repair damage			Complete	May-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
29	Saltsburg	Bell Township	Arnold	753	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.32	Trees Off Row-Tree	84%	Q3 2022
	SAIDI	1,272.20	Forced Outage	12%	Q4 2022
	SAIFI	4.373	Unknown	2%	Q1 2023
	CAIDI	291	All Other	2%	Q2 2023
	Customer Minutes	959,241			
	Customers Affected	3,297			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Aug-22
	Repair damage caused by a tree			Complete	Dec-22
	Overhead Circuit Inspection (62256809)			Complete	Jan-23
	Repair damage caused by a tree			Complete	Feb-23
	Forced outage to repair damage			Complete	May-23
Rank	Substation	Circuit	District	Customers	Outages
30	Connellsville	Trotter	Pleasant Valley	1,073	13
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.29	Line Failure	72%	Q1 2023
	SAIDI	874.85	Vehicle	17%	Q2 2023
	SAIFI	2.174	Trees Off Row-Tree	4%	
	CAIDI	402	All Other	7%	
	Customer Minutes	938,712			
	Customers Affected	2,333			
	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)			In Progress	62%

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
31	Lagonda	Lagonda	Washington Pa	1,553	39
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.29	Trees Off Row-Tree	85%	Q3 2022
	SAIDI	643.13	Equipment Failure	9%	Q4 2022
	SAIFI	1.871	Line Failure	3%	Q1 2023
	CAIDI	344	All Other	4%	Q2 2023
	Customer Minutes	938,330			
	Customers Affected	2,730			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Sep-22
	Repair equipment failure			Complete	Dec-22
	Overhead Circuit Inspection (62260064)			Complete	Jan-23
	Repair line failure			Complete	Feb-23
	Forced outage to repair damage			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
32	Stahlstown	Kreager	Latrobe	287	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.26	Equipment Failure	53%	Q1 2023
	SAIDI	3,182.86	Trees Off Row-Tree	38%	Q2 2023
	SAIFI	3.615	Wind	9%	
	CAIDI	881	All Other	1%	
	Customer Minutes	916,663			
	Customers Affected	1,041			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Mar-23

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
33	Bethlen	Darlington	Latrobe	1,231	80
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.26	Trees Off Row-Tree	66%	Q2 2023
	SAIDI	738.56	Line Failure	16%	
	SAIFI	3.159	Trees Off Row-Limb	13%	
	CAIDI	234	All Other	5%	
	Customer Minutes	915,812			
	Customers Affected	3,917			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Jun-23
Rank	Substation	Circuit	District	Customers	Outages
34	Nittany No. 2	Clintondale	State College	767	14
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.25	Equipment Failure	87%	Q4 2022
	SAIDI	1,174.27	Trees Off Row-Tree	11%	Q2 2023
	SAIFI	1.925	Vehicle	1%	
	CAIDI	610	All Other	1%	
	Customer Minutes	905,365			
	Customers Affected	1,484			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Dec-22
	Repair line failure			Complete	May-23
Rank	Substation	Circuit	District	Customers	Outages
35	Hilliards	Hilliards	Butler	894	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.23	Trees Off Row-Tree	62%	Q3 2022
	SAIDI	1,000.48	Animal	26%	Q4 2022
	SAIFI	4.036	Forced Outage	8%	Q1 2023
	CAIDI	248	All Other	5%	Q2 2023
	Customer Minutes	894,430			
	Customers Affected	3,608			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by an animal			Complete	Aug-22
	Forced outage to repair damage			Complete	Nov-22
Repair damage caused by a tree			Complete	Mar-23	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
36	Linden-Wash	Wylandville	Washington Pa	1,108	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.21	Unknown	29%	Q3 2022
	SAIDI	761.67	Line Failure	9%	Q4 2022
	SAIFI	2.315	Wind	1%	Q1 2023
	CAIDI	329	All Other	61%	Q2 2023
	Customer Minutes	878,963			
	Customers Affected	2,672			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Jul-22
	Zone 1 Infrared Inspection			Complete	Jul-22
	Restore unknown outage			Complete	Dec-22
	Repair damage caused by a tree			Complete	Mar-23
Repair damage caused by a tree			Complete	May-23	
Rank	Substation	Circuit	District	Customers	Outages
37	Buckeye No.3	Paisley	Jefferson	668	17
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.19	Line Failure	74%	Q2 2023
	SAIDI	1,295.29	Trees Off Row-Tree	13%	
	SAIFI	2.205	Unknown	9%	
	CAIDI	588	All Other	5%	
	Customer Minutes	861,371			
	Customers Affected	1,466			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Mar-23
Rank	Substation	Circuit	District	Customers	Outages
38	Vanceville	Vanceville	Charleroi	1,386	53
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.14	Trees Off Row-Tree	44%	Q1 2023
	SAIDI	599.49	Forced Outage	18%	Q2 2023
	SAIFI	2.106	Wind	17%	
	CAIDI	285	All Other	20%	
	Customer Minutes	829,088			
	Customers Affected	2,913			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Mar-23
Repair damage caused by a tree			Complete	Jun-23	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
39	Uniontown	East End	Uniontown	1,288	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.10	Line Failure	57%	Q2 2023
	SAIDI	618.08	Vehicle	18%	
	SAIFI	2.272	Unknown	9%	
	CAIDI	272	All Other	16%	
	Customer Minutes	796,088			
	Customers Affected	2,926			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a vehicle			Complete	Apr-23
Rank	Substation	Circuit	District	Customers	Outages
40	Manifold	Country Club	Washington Pa	575	10
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.09	Trees Off Row-Tree	72%	Q2 2023
	SAIDI	1,295.39	Line Failure	20%	
	SAIFI	3.976	Bird	5%	
	CAIDI	326	All Other	3%	
	Customer Minutes	795,370			
	Customers Affected	2,441			
	Remedial Action Planned or Taken			Status	Progress
	Overhead Circuit Inspection (62256799)			Complete	Feb-23
Restore unknown outage			Complete	May-23	

West Penn					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2022	4Q 2022	1Q 2023	2Q 2023
Bethel Park	Clifton	X	X		
California	Malden	X	X		
Cecil	Bishop	X	X	X	
Donegal	Bear Rocks	X	X		
Dutch Fork	W Alexander	X	X		
Dutch Fork	Claysville	X	X		
Fawn	Bull Creek	X	X		
Galley	Waterdam	X	X		
Hickory	Fort Cherry	X	X	X	
Hickory	Hickory	X	X		
Houston	Weavertown	X	X	X	
Houston	McGovern	X	X	X	
Houston	Pristine	X	X		
Mateer	South Bend	X	X		
Peters	Mcmurray	X	X	X	
Piney Fork	Gillhall		X	X	
Robbins	Balkan	X	X	X	
Robbins	Mt. Vernon	X	X		
Shaffers Corner	Braeburn	X	X	X	
Shaffers Corner	Braeburn	X	X	X	
Smith	Francis Mine	X	X		
Waterville	Waterville	X	X		
White Valley	Congruity	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
Roundhill	Roundhill	Overhead Circuit Inspection	In progress	99%

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			
2nd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	15	\$18,997	0
Excavated in Tolerance	33	\$68,313	0
Excavation Inconsistent with Ticket Scope	5	\$10,328	0
Excavation Prior to Lawful Start Date	2	\$1,525	0
Expired Ticket	3	\$3,564	0
Hand Digging	0	0	0
Marked Improperly	17	\$100,391	\$5,208
No Ticket	23	\$82,374	\$450
Total	98	\$285,492.00	\$5,658.00

Penelec – Third Party Line Hit Incidents			
2nd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	53	\$125,591	\$1,740
Excavated in Tolerance	27	\$100,267	\$1,675
Excavation Inconsistent with Ticket Scope	0	0	0
Excavation Prior to Lawful Start Date	3	\$2,616	0
Expired Ticket	3	\$15,886	0
Hand Digging	1	\$5,163	0
Marked Improperly	27	\$124,812	\$7,321
No Ticket	27	\$51,129	\$7,576
Total	141	\$425,464.00	\$18,312.00

Penn Power – Third Party Line Hit Incidents			
2nd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	8	\$7,949	0
Excavated in Tolerance	7	\$4,584	\$154.00
Excavation Inconsistent with Ticket Scope	5	\$3,569	0
Excavation Prior to Lawful Start Date	2	\$2,088	\$1,500.00
Expired Ticket	0	0	0
Hand Digging	0	0	0
Marked Improperly	2	\$4,837	0
No Ticket	9	\$7,095	\$600.00
Total	33	\$30,122.00	\$2,254.00

West Penn – Third Party Line Hit Incidents			
2nd Quarter 2023 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	58	\$50,469	\$3,428
Excavated in Tolerance	17	\$23,708	\$3,873
Excavation Inconsistent with Ticket Scope	4	\$7,795	0
Excavation Prior to Lawful Start Date	2	\$2,091	0
Expired Ticket	1	\$1,239	0
Hand Digging	2	0	0
Marked Improperly	30	\$121,691	\$5,533
No Ticket	36	\$132,451	\$13,111
Total	150	\$339,444.00	\$25,945.00

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