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November 1, 2022

**VIA E-FILING**

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

**Re: Joint 3<sup>rd</sup> Quarter 2022 Reliability Report – Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company – Public Version; Docket No. M-2016-2522508**

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 3<sup>rd</sup> Quarter 2022 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 electronic email)  
J. Van Zant – Bureau of Technical Utility Services (via electronic email)  
Derek Ruhl - PaPUC Bureau of Technical Utility Services (via electronic mail)  
Harry Bidelspach – PaPUC Bureau of Technical Utility Services (via electronic mail)



## Joint 2022 3<sup>RD</sup> 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 3<sup>RD</sup> Quarter 2022 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.<sup>1</sup>*

*Major Event(s)*

None of the Companies experienced a major event during the reporting period ending September 30, 2022.

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<sup>1</sup> 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.

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

**Reliability Index Values**

3Q 2022 (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	1.36	1.26	1.52	1.83	1.12	1.34	1.02	1.05	1.26	1.27
CAIDI	117	140	168	117	141	197	101	121	125	170	204	271
SAIDI	135	194	229	148	213	360	113	162	128	179	257	344
MAIFI <sup>2</sup>			0.422			0.688			0.310			
Customers Served <sup>3</sup>		575,324			579,717			167,352			724,724	
Number of Sustained Interruptions		14,638			19,483			3,716			16,415	
Customers Affected		784,758			1,058,439			171,446			919,421	
Customer Minutes		131,488,278			208,432,523			21,398,313			248,907,261	
Number of Customer Momentary Interruptions		242,807			398,750			51,812				

<sup>2</sup> MAIFI values are not available for West Penn.

<sup>3</sup> Represents the average number of customers served during the reporting period.

## **Unique Events Occurring in 3Q 2022:**

### **Penelec**

- Beginning Friday, July 22, 2022, a series of thunderstorms producing rain and high winds in excess of 44 miles per hour moved west to east across Pennsylvania. Wind gusts of approximately 24 miles per hour continued to affect the Penelec service territory on Saturday, July 23, 2022. On Sunday, July 24, 2022, the storms continued, producing wind gusts of approximately 70 miles per hour and 1.5 inches of rain. Wind gusts reaching up to approximately 41 miles per hour continued on Monday, July 25, 2022 with up to 2 additional inches of rain in some areas. The reliability impact of the storm was 27.8 minutes of System Average Interruption Duration Index (“SAIDI”), 0.089 of System Average Interruption Frequency Index (“SAIFI”), and an overall storm Customer Average Interruption Duration Index (“CAIDI”) of 312.2 minutes.
- Beginning Thursday, August 4, 2022 and continuing through Friday, August 5, 2002, strong thunderstorms moved throughout the Penelec service territory producing high winds and rain. The reliability impact of the storm was 2.3 minutes of SAIDI, 0.044 of SAIFI, and an overall storm CAIDI of 51.9 minutes.

### **West Penn**

- Beginning the afternoon of Saturday, July 23, 2022 and continuing through the morning of Monday July 25, 2022, strong thunderstorms moved throughout the West Penn service territory producing high winds and rain. The reliability impact of the storm was 22.3 minutes of SAIDI, 0.07 of SAIFI, and an overall storm CAIDI of 323.52 minutes.

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

#### *Worst Performing Circuits – Reliability Indices*

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

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

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

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

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

*Worst Performing Circuits – Remedial Actions*

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

*Section 57.195(e)(5): A rolling 12-month breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages, the number of customers interrupted, and customer interruption minutes categorized by outage cause such as equipment failure, animal contact, tree related, and so forth. Proposed solutions to identified service problems shall be reported.*

### Outages by Cause – Met-Ed

Outage by Cause				
3rd Quarter 2022 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	57,732,336	3,442	200,144	43.91%
Equipment failure	26,336,721	3,033	200,513	20.03%
Vehicle	10,247,558	480	50,035	7.79%
Unknown	7,508,386	1,511	80,949	5.71%
Trees off ROW - limb	6,230,905	755	30,028	4.74%
Forced outage	4,591,428	802	20,330	3.49%
Line failure	4,498,128	570	85,437	3.42%
Wind	3,818,802	173	8,219	2.90%
Animal	3,585,115	2,005	50,218	2.73%
Lightning	1,222,631	216	12,647	0.93%
Bird	1,112,773	60	11,856	0.85%
Trees on ROW	1,093,288	136	5,857	0.83%
Human error - company	974,305	551	1,796	0.74%
Trees - sec/service	906,493	61	4,657	0.69%
Human error - non-company	538,312	61	4,577	0.41%
Object contact with line	449,339	612	12,677	0.34%
Overload	311,303	68	2,622	0.24%
Customer equipment	112,150	7	211	0.09%
Ice	57,348	32	459	0.04%
UG dig-up	56,586	8	57	0.04%
Previous lightning	43,537	26	199	0.03%
Other utility - non-electric	34,794	3	902	0.03%
Other electric utility	14,184	1	7	0.01%
Fire	6,106	16	333	0.00%
Vandalism	4,847	4	20	0.00%
Contamination	903	5	8	0.00%
Switching error	0	0	0	0.00%
Call Error	0	0	0	0.00%
<b>Total</b>	<b>131,488,278</b>	<b>14,638</b>	<b>784,758</b>	<b>100%</b>

### 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, 2022, 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") programs<sup>4</sup> that set forth schedules for regular inspections of distribution and substation facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, radio-controlled switches, substations, and reclosers. Equipment identified is repaired or replaced as appropriate.

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.

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<sup>4</sup> Pursuant to 52 Pa. Code § 57.198, every two years an electric distribution company shall file, and receive approval from the Commission of, a biennial plan for the periodic inspection, maintenance, repair, and replacement of its facilities. The Companies submitted their Biennial Inspection, Maintenance, Repair and Replacement Plan for the period January 1, 2021 through December 31, 2022 on October 1, 2019, which was deemed approved pursuant to 52 Pa. Code § 57.198(i).

Outages by Cause – Penelec

<b>Outage by Cause</b>				
<b>3rd Quarter 2022 12-Month Rolling</b>	<b>Penelec</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Customer Minutes</b>
Trees off ROW - tree	69,057,144	3,284	230,843	33.13%
Ice	37,166,103	416	33,841	17.83%
Equipment failure	34,948,506	3,773	274,203	16.77%
Line failure	14,876,036	2,119	115,920	7.14%
Unknown	10,487,748	2,436	109,591	5.03%
Lightning	8,683,133	650	39,461	4.17%
Forced outage	7,478,771	1,375	83,401	3.59%
Trees off ROW - limb	6,381,980	535	38,819	3.06%
Vehicle	5,971,289	496	34,384	2.86%
Animal	4,663,017	2,121	44,807	2.24%
Wind	2,576,102	127	8,052	1.24%
Object contact with line	1,331,552	46	5,237	0.64%
Trees - sec/service	1,052,799	986	2,674	0.51%
Human error - company	940,184	66	10,459	0.45%
Bird	700,232	582	12,224	0.34%
Human error - non-company	614,209	97	4,732	0.29%
Other electric utility	534,193	99	2,181	0.26%
Trees on ROW	361,212	87	1,692	0.17%
UG dig-up	172,216	62	719	0.08%
Switching Error	136,425	5	320	0.07%
Overload	112,341	30	3,414	0.05%
Contamination	71,572	36	436	0.03%
Other utility - non-electric	47,123	2	382	0.02%
Customer equipment	42,106	23	532	0.02%
Fire	12,499	8	56	0.01%
Vandalism	8,114	13	24	0.00%
Previous lightning	5,917	9	35	0.00%
Call error	0	0	0	0.00%
<b>Total</b>	<b>208,432,523</b>	<b>19,483</b>	<b>1,058,439</b>	<b>100%</b>

### 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, 2022 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 I&M programs that set forth schedules for regular inspections of distribution and substation facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, radio-controlled switches, substations, and reclosers. Equipment identified is repaired or replaced as appropriate.

Outages by Cause – Penn Power

<b>Outage by Cause</b>				
<b>3rd Quarter 2022 12-Month Rolling</b>	<b>Penn Power</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Customer Minutes</b>
Trees off ROW - tree	6,967,759	876	38,988	32.56%
Equipment failure	3,409,543	407	23,984	15.93%
Line failure	2,961,400	427	29,991	13.84%
Vehicle	2,025,656	152	12,476	9.47%
Animal	1,976,504	571	16,161	9.24%
Trees off ROW - limb	1,049,904	176	6,372	4.91%
Unknown	838,971	141	19,004	3.92%
Lightning	780,812	237	6,134	3.65%
Forced outage	551,225	87	9,761	2.58%
Bird	445,701	404	5,617	2.08%
Trees - sec/service	146,647	155	355	0.69%
Human error - non-company	111,771	26	549	0.52%
Overload	68,982	10	891	0.32%
Human error - company	21,190	5	676	0.10%
UG dig-up	20,719	16	219	0.10%
Customer equipment	8,125	8	135	0.04%
Other electric utility	7,038	1	69	0.03%
Previous lightning	2,518	6	38	0.01%
Trees on ROW	1,558	1	2	0.01%
Ice	1,066	4	6	0.00%
Other utility - non-electric	720	1	12	0.00%
Object contact with line	311	2	3	0.00%
Vandalism	108	2	2	0.00%
Wind	85	1	1	0.00%
Fire	0	0	0	0.00%
Contamination	0	0	0	0.00%
Call Error	0	0	0	0.00%
Switching Error	0	0	0	0.00%
<b>Total</b>	<b>21,398,313</b>	<b>3,716</b>	<b>171,446</b>	<b>100%</b>

### 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, 2022 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 I&M programs that set forth schedules for regular inspections of distribution facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, and reclosers. Equipment identified is repaired or replaced as appropriate.

Outages by Cause – West Penn

<b>Outage by Cause</b>				
<b>3rd Quarter 2022 12-Month Rolling</b>	<b>West Penn</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Customer Minutes</b>
Trees off ROW - tree	125,211,879	4,455	304,884	50.30%
Equipment failure	20,428,213	2,391	135,133	8.21%
Ice	19,231,102	154	11,788	7.73%
Unknown	18,019,987	1,823	107,529	7.24%
Line failure	17,944,690	1,970	84,826	7.21%
Trees on ROW	10,499,619	583	28,156	4.22%
Wind	9,273,765	194	17,661	3.73%
Vehicle	7,444,357	529	58,419	2.99%
Trees off ROW - limb	6,727,759	345	28,015	2.70%
Forced outage	4,866,324	748	67,703	1.96%
Animal	3,594,682	1,797	43,704	1.44%
Human error - company	1,021,988	31	10,634	0.41%
Trees - sec/service	954,737	530	1,373	0.38%
Lightning	897,786	153	3,943	0.36%
Object contact with line	693,293	47	3,729	0.28%
Other electric utility	591,266	9	852	0.24%
Bird	347,181	477	3,525	0.14%
Previous Lightning	315,800	4	1,408	0.13%
Fire	220,406	22	975	0.09%
UG dig-up	214,625	54	1,201	0.09%
Human error - non-company	208,053	58	2,956	0.08%
Overload	120,342	8	719	0.05%
Vandalism	63,906	11	78	0.03%
Other utility - non-electric	8,759	5	39	0.00%
Customer equipment	5,265	15	32	0.00%
Switching error	1,380	1	138	0.00%
Contamination	97	1	1	0.00%
Call Error	0	0	0	0.00%
<b>Total</b>	<b>248,907,261</b>	<b>16,415</b>	<b>919,421</b>	<b>100%</b>

### 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, 2022, 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 I&M programs that set forth schedules for regular inspections of distribution and substation facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, substations, and reclosers. Equipment identified is repaired or replaced as appropriate.

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

Inspection and Maintenance		Met-Ed			Penelec			Penn Power			West Penn		
		Planned Annual	Completed 3Q	Completed YTD	Planned Annual	Completed 3Q	Completed YTD	Planned Annual	Completed 3Q	Completed YTD	Planned Annual	Completed 3Q	Completed YTD
<b>Forestry</b>	2022												
	Transmission (Miles)	258.79	41.7	217.56	441.62	81.71	355.54	61.75	25.7	53.8	308.61	74.72	237.62
	Distribution (Miles)	2,905	851	2,262	3,780	1,218	3,002	1,113	325	933	4,606	1,389	3,644
<b>Transmission</b>	Aerial Patrols	2	0	1	2	0	1	2	0	1	2	0	1
	Groundline	0	170	315	3,102	998	3,880	0	0	0	642	773	1,486
	Substation Inspections Class A	418	209	418	782	391	782	148	74	148	938	469	938
<b>Substation</b>	Substation Inspections Class B	418	0	209	782	0	391	148	0	74	938	0	469
	Substation Inspections Class C	1,672	418	1,254	3,128	782	2,346	592	148	444	3,752	938	2,814
	Transformers	137	74	133	397	102	397	11	10	10	343	42	330
<b>Distribution</b>	Breakers	71	25	55	346	83	313	12	3	12	379	153	323
	Relay Schemes	218	32	186	177	31	167	26	9	15	44	6	28
	Capacitors	4,823	0	4,834	8,681	0	8,681	963	0	963	1,316	0	1,316
<b>Distribution</b>	Poles	45,000	22,059	41,321	41,584	11,528	42,812	10,802	3,316	9,789	55,344	17,275	43,234
	Reclosers	1,355	257	1,465	2,588	2,586	2,586	985	0	985	4,077	0	4,077
	Radio-Controlled Switches	1,450	295	1,020	2,652	321	1,635	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 Expenditures<sup>5</sup>*

This portion of the report is confidential.

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<sup>5</sup> Budgets are subject to change.

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

*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).*

*Budgeted vs. Actual T&D Capital<sup>6</sup> Expenditures<sup>7</sup>*

This portion of the report is confidential.

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<sup>6</sup> General note: Capital reported on Generally Accepted Accounting Principles (GAAP) basis.

<sup>7</sup> Budgets are subject to change.

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

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

*Staffing Levels*

Met-Ed 2022													
Department	Position	Staffing Level				Staff Added in Quarter				Staff Lost in Quarter			Plan to Hire in 2023 <sup>11</sup>
		1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>9</sup>	Retirement	Voluntary Separation	Other <sup>10</sup>		
Distribution	Line Leader	52	47	45				3	1		4		
	Line Troubleshooter	35	35	35									
	Lineman	151	161	155				52	1		57		
Substation	Substation Leader	15	14	14									
	Substation Employee	60	63	63		1		12			13		
Transmission	Line Leader	2	1	2									
	Lineman	11	11	10							1		
<b>Total</b>		<b>326</b>	<b>332</b>	<b>324</b>		<b>1</b>		<b>68</b>	<b>2</b>		<b>75</b>		

<sup>8</sup> 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.

<sup>9</sup> Includes transfers and promotions.

<sup>10</sup> Includes transfers, voluntary separations, and promotions.

<sup>11</sup> Hiring plan to be provided annually in the 4Q report.

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

Penelec 2022													
Department	Position	Staffing Level				Staff Added in Quarter				Staff Lost in Quarter			Plan to Hire in 2023 <sup>14</sup>
		1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>12</sup>	Retirement	Voluntary Separation	Other <sup>13</sup>		
Distribution	Line Leader	58	59	60				6				5	
	Line Troubleshooter	73	68	69				6				5	
	Lineman	148	157	149		1		37	1	1		44	
Substation	Substation Leader	28	29	29									
	Substation Employee	47	51	52		2		6				7	
Transmission	Line Leader	5	5	5									
	Lineman	19	19	17								2	
<b>Total</b>		<b>378</b>	<b>388</b>	<b>381</b>		<b>3</b>		<b>55</b>	<b>1</b>	<b>1</b>		<b>63</b>	

<sup>12</sup> Includes transfers and promotions.

<sup>13</sup> Includes transfers, involuntary separations, and promotions.

<sup>14</sup> Hiring plan to be provided annually in the 4Q report.

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

Penn Power 2022														
Department	Position	Staffing Level				Staff Added in Quarter				Staff Lost in Quarter			Plan to Hire in 2023 <sup>17</sup>	
		1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>15</sup>	Retirement	Voluntary Separation	Other <sup>16</sup>			
<b>Distribution</b>	Line Leader	25	24	24					1				1	
	Line Troubleshooter	14	14	13									1	
	Lineman	41	42	42					3				3	
<b>Substation</b>	Substation Leader	5	5	5										
	Substation Employee	19	19	19					5				5	
<b>Transmission</b>	Line Leader	1	1	1										
	Lineman	5	5	5										
	<b>Total</b>	<b>110</b>	<b>110</b>	<b>109</b>					<b>9</b>				<b>10</b>	

<sup>15</sup> Includes transfers, promotions, and promotions within a position.

<sup>16</sup> Includes transfers, involuntary separations, promotions, and promotions within a position.

<sup>17</sup> Hiring plan to be provided annually in the 4Q report.

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

West Penn 2022													
Department	Position	Staffing Level				Staff Added in Quarter				Staff Lost in Quarter			Plan to Hire in 2023 <sup>20</sup>
		1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>18</sup>	Retirement	Voluntary Separation	Other <sup>19</sup>		
<b>Distribution</b>	Line Leader	67	67	66					5	2		4	
	Line Troubleshooter	55	57	58					6	2		3	
	Lineman	145	153	143		4			2		1	15	
<b>Substation</b>	Substation Leader	22	21	23					3			1	
	Substation Employee	75	79	75					1	1		4	
<b>Transmission</b>	Line Leader	2	0	2					2				
	Lineman	8	9	9									
<b>Total</b>		<b>374</b>	<b>386</b>	<b>376</b>		<b>4</b>		<b>19</b>	<b>5</b>	<b>1</b>	<b>27</b>		

<sup>18</sup> Includes transfers, promotions, and promotions within a position.

<sup>19</sup> Includes transfers, involuntary separations, promotions, and promotions within a position.

<sup>20</sup> Hiring plan to be provided annually in the 4Q report.

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	No Bangor	00826-3	Easton	3,189	171	1	2,424,668	10,895	4.21	760.32	3.42	222.55	0.418
2	Birdsboro	00756-1	Reading	1,530	118	3	2,254,873	12,008	3.92	1473.77	7.85	187.78	9.142
3	Barto	00706-1	Boyetown	2,965	192	1	2,190,333	6,782	3.81	738.73	2.29	322.96	0.929
4	Huffs Church	00600-1	Boyetown	1,642	147	0	1,838,049	3,983	3.19	1119.40	2.43	461.47	0.348
5	Snydersville	00621-3	Stroudsburg	1,291	69	3	1,673,922	7,406	2.91	1296.61	5.74	226.02	0.991
6	North Lebanon	00712-2	Lebanon	2,583	71	1	1,667,708	6,165	2.90	645.65	2.39	270.51	0.000
7	North Cornwall	00610-2	Lebanon	2,356	72	1	1,393,438	5,796	2.42	591.44	2.46	240.41	2.048
8	Painted Sky	00650-1	Reading	1,783	26	1	1,363,208	3,952	2.37	764.56	2.22	344.94	1.001
9	Lyons	00729-1	Reading	1,191	82	0	1,150,821	2,155	2.00	966.26	1.81	534.02	0.780
10	Mountain	00743-4	Dillsburg	1,031	31	1	1,150,232	2,025	2.00	1115.65	1.96	568.02	0.000
11	No Bangor	00813-3	Easton	1,356	54	0	1,120,616	3,298	1.95	826.41	2.43	339.79	0.995
12	Lynnville	00737-1	Hamburg	1,078	112	0	1,111,384	3,235	1.93	1030.97	3.00	343.55	0.006
13	Ferndale	00871-3	Easton	488	47	0	1,093,470	2,351	1.90	2240.72	4.82	465.11	2.945
14	Barto	00705-1	Boyetown	654	85	0	1,091,482	2,871	1.90	1668.93	4.39	380.17	0.193
15	Bairs	00571-4	York	2,371	86	1	1,059,393	8,935	1.84	446.81	3.77	118.57	0.719
16	Carsonia	00767-1	Reading	977	35	3	1,036,993	6,556	1.80	1061.41	6.71	158.17	0.000
17	Hill	00735-4	York	1,623	87	1	1,009,179	4,998	1.75	621.80	3.08	201.92	0.027
18	Shawnee	00860-3	Stroudsburg	3,224	57	1	1,007,594	8,699	1.75	312.53	2.70	115.83	2.190
19	Angelica	00129-1	Reading	700	39	1	976,328	1,696	1.70	1394.75	2.42	575.67	0.000
20	Friedensburg	00141-1	Reading	650	55	0	908,845	1,909	1.58	1398.22	2.94	476.08	0.000
21	Mountain	00744-4	Dillsburg	1,866	65	1	877,955	4,664	1.53	470.50	2.50	188.24	0.000
22	W Boyertown	00714-1	Boyetown	1,886	55	1	876,487	3,579	1.52	464.73	1.90	244.90	0.000
23	North Lebanon	00715-2	Lebanon	1,625	48	1	848,968	5,608	1.48	522.44	3.45	151.39	0.000
24	Flying Hills	00777-1	Reading	1,789	72	0	835,358	3,933	1.45	466.94	2.20	212.40	0.000
25	Carsonia	00764-1	Reading	3,036	84	0	804,595	5,484	1.40	265.02	1.81	146.72	0.091
26	Birdsboro	00759-1	Reading	930	40	3	775,516	3,328	1.35	833.89	3.58	233.03	0.009
27	Collins	00760-2	Lebanon	1,113	48	1	764,953	1,939	1.33	687.29	1.74	394.51	0.000
28	Lynnville	00735-1	Hamburg	1,395	59	0	761,151	2,583	1.32	545.63	1.85	294.68	0.092

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

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Ferndale	00077-3	Easton	402	85	0	692,320	1,867	1.20	1722.19	4.64	370.82	0.000
30	Earlville	00126-1	Boyertown	389	19	0	679,402	1,476	1.18	1746.53	3.79	460.30	0.997
31	Ottsville	00660-3	Easton	871	74	0	648,170	1,895	1.13	744.17	2.18	342.04	3.994
32	Newberry	00586-4	York	1,992	68	2	626,687	7,772	1.09	314.60	3.90	80.63	0.392
33	Campbelltown	00634-2	Lebanon	1,048	30	2	623,156	3,782	1.08	594.61	3.61	164.77	5.977
34	S Hamb	00740-1	Hamburg	1,276	70	0	614,176	3,145	1.07	481.33	2.46	195.29	2.002
35	Mc Knights Gap	00773-1	Reading	2297	88	1	606,968	4,148	1.06	264.24	1.81	146.33	0.000
36	Raubsville St	00079-3	Easton	799	24	0	603,950	1,750	1.05	755.88	2.19	345.11	0.000
37	Stouchburg	00758-2	Lebanon	1172	48	1	596,580	3,471	1.04	509.03	2.96	171.88	0.000
38	Rehrrsburg	00718-2	Lebanon	700	60	1	587,981	2,771	1.02	839.97	3.96	212.19	0.000
39	County Line	00703-1	Boyertown	970	52	2	575,958	2,818	1.00	593.77	2.91	204.39	0.998

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Thompson	00436-65	Montrose	1,225	101	0	4,956,738	6,177	8.55	4,046.32	5.04	802.45	0.003
2	Tiffany	00435-65	Montrose	1,551	82	4	4,479,526	8,432	7.73	2,888.15	5.44	531.25	2.440
3	N Meshoppen Tran	00534-65	Montrose	888	100	1	3,988,931	5,335	6.88	4,492.04	6.01	747.69	0.662
4	Tiffany	00440-65	Montrose	1,008	43	1	3,547,061	7,305	6.12	3,518.91	7.25	485.57	1.016
5	N Meshoppen Tran	00531-65	Montrose	630	57	1	3,209,606	4,284	5.54	5,094.61	6.80	749.21	0.961
6	Natl Forge Sw Sta	00577-41	Warren	1,197	70	0	3,139,931	3,973	5.41	2,623.17	3.32	790.32	2.627
7	Wyalusing	00532-62	Towanda	720	64	2	3,091,461	3,960	5.33	4,293.70	5.50	780.67	0.999
8	Lenox	00755-65	Montrose	682	67	0	2,924,068	5,312	5.04	4,287.49	7.79	550.46	0.073
9	Thompson	00442-65	Montrose	596	31	1	2,274,915	2,700	3.92	3,816.97	4.53	842.56	0.006
10	Russell Hill	00282-65	Montrose	697	49	0	2,254,616	3,177	3.89	3,234.74	4.56	709.67	3.375
11	Laurel Lake Sub Tran	00769-65	Montrose	484	21	2	2,070,744	1,127	3.57	4,278.40	2.33	1,837.39	0.000
12	Montrose	00457-65	Montrose	574	50	1	2,041,846	1,396	3.52	3,557.22	2.43	1,462.64	1.196
13	Knox	00323-51	Oil City	1,006	49	8	1,852,714	11,481	3.20	1,841.66	11.41	161.37	2.885
14	Brooklyn	00749-65	Montrose	497	33	0	1,757,428	1,343	3.03	3,536.07	2.70	1,308.58	1.002
15	Tunkhannock	00533-65	Montrose	1,243	97	0	1,741,552	3,347	3.00	1,401.09	2.69	520.33	4.218
16	Oxbow	00555-65	Montrose	728	64	0	1,695,651	4,045	2.92	2,329.19	5.56	419.20	2.036
17	Marienville	00328-51	Oil City	1,208	75	0	1,685,941	4,530	2.91	1,395.65	3.75	372.17	2.696
18	East Towanda	00525-62	Towanda	616	60	1	1,606,665	4,315	2.77	2,608.22	7.00	372.34	1.904
19	Russell Hill	00765-65	Montrose	373	49	0	1,548,738	1,714	2.67	4,152.11	4.60	903.58	2.000
20	Laurel Lake Sub Tran	00449-65	Montrose	521	55	1	1,520,842	1,584	2.62	2,919.08	3.04	960.13	3.679
21	Lake Como	00788-65	Montrose	639	40	1	1,517,395	1,382	2.62	2,374.64	2.16	1,097.97	0.997
22	Industrial Park	00796-65	Montrose	358	26	3	1,403,769	2,250	2.42	3,921.14	6.28	623.90	1.000
23	Cranberry	00350-51	Oil City	1,067	54	3	1,401,677	5,146	2.42	1,313.66	4.82	272.38	0.008
24	Brooklyn	00748-65	Montrose	196	31	0	1,383,984	991	2.39	7,061.14	5.06	1,396.55	0.990
25	Hepburnia	00778-21	Clearfield	666	42	0	1,353,946	2,106	2.33	2,032.95	3.16	642.90	0.000
26	Warren South	00220-41	Warren	2,833	111	0	1,321,958	7,700	2.28	466.63	2.72	171.68	3.139
27	Madera	00165-22	Philipsburg	1,675	45	2	1,224,664	4,892	2.11	731.14	2.92	250.34	1.208
28	Spangler	00052-72	Altoona	746	11	1	1,208,159	3,972	2.08	1,619.52	5.32	304.17	0.000

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Laurel Lake Sub Tran	00448-65	Montrose	403	17	2	1,182,625	868	2.04	2,934.55	2.15	1,362.47	0.675
30	Lenox	00434-65	Montrose	272	30	1	1,078,567	1,037	1.86	3,965.32	3.81	1,040.08	0.004
31	N Meshoppen Tran	00437-65	Montrose	559	66	0	1,074,215	1,463	1.85	1,921.67	2.62	734.25	2.698
32	Meshoppen	00283-65	Montrose	384	20	0	1,055,153	953	1.82	2,747.79	2.48	1,107.19	8.205
33	Grover	00527-63	Towanda	1,052	62	0	1,002,209	2,801	1.73	952.67	2.66	357.80	0.583
34	Elk Run	00622-23	Dubois	1,013	42	0	946,466	2,357	1.63	934.32	2.33	401.56	0.667
35	Crown	00320-51	Oil City	465	45	2	940,195	2,972	1.62	2,021.92	6.39	316.35	0.002
36	Dubois	00137-23	Dubois	2,588	89	0	911,142	7,103	1.57	352.06	2.74	128.28	0.856
37	East Pike	00095-13	Indiana	3,484	35	1	869,294	7,904	1.50	249.51	2.27	109.98	1.134
38	Grandview	00354-51	Oil City	524	44	2	832,916	2,292	1.44	1,589.53	4.37	363.40	0.432
39	Laceyville	00612-65	Montrose	176	7	2	826,683	397	1.43	4,697.06	2.26	2,082.32	1.983
40	Tunkhannock	00695-65	Montrose	537	40	0	813,833	1,087	1.40	1,515.52	2.02	748.70	0.000
41	Brookville West	00121-23	Dubois	704	39	0	809,753	2,741	1.40	1,150.22	3.89	295.42	0.212
42	Brookville	00125-23	Dubois	615	61	0	796,128	2,640	1.37	1,294.52	4.29	301.56	2.737
43	Union City	00206-43	Erie	2,840	116	0	793,071	7,501	1.37	279.25	2.64	105.73	7.951
44	Dubois	00124-23	Dubois	2,044	32	0	766,216	4,628	1.32	374.86	2.26	165.56	1.000
45	Somerset	00031-12	Somerset	2,087	35	2	763,285	5,249	1.32	365.73	2.52	145.42	1.272
46	Piney	00523-51	Oil City	1,499	68	1	745,433	4,629	1.29	497.29	3.09	161.04	0.634
47	Reeder Street	00041-11	Johnstown	724	5	2	745,366	2,207	1.29	1,029.51	3.05	337.73	2.728
48	Canton	00608-63	Towanda	292	31	1	720,499	863	1.24	2,467.46	2.96	834.88	0.000
49	Utica Junction	00331-51	Oil City	635	54	0	687,433	1,871	1.19	1,082.57	2.95	367.41	0.000
50	Spangler	00051-72	Altoona	1,117	15	0	678,356	3,327	1.17	607.30	2.98	203.89	2.726
51	Falls	00297-65	Montrose	811	38	0	631,017	2,383	1.09	778.07	2.94	264.80	7.002
52	East Pike	00094-13	Indiana	1,576	12	0	626,825	3,659	1.08	397.73	2.32	171.31	0.000
53	Avery	00792-65	Montrose	124	16	1	621,708	284	1.07	5,013.77	2.29	2,189.11	0.008
54	North Warren	00596-41	Warren	1,123	44	0	619,537	3,966	1.07	551.68	3.53	156.21	1.798
55	Warren South	00219-41	Warren	321	31	1	613,016	1,400	1.06	1,909.71	4.36	437.87	0.428
56	Tionesta Sw St	00498-51	Oil City	385	44	2	602,815	1,679	1.04	1,565.75	4.36	359.03	0.951

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

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
57	Lenox	00757-65	Montrose	106	15	0	597,777	604	1.03	5,639.41	5.70	989.70	0.000
58	Ppl West	PL097-62	Towanda	104	11	0	548,992	688	0.95	5,278.77	6.62	797.95	0.000
59	Mansfield	00559-63	Mansfield	243	17	3	531,170	1,869	0.92	2,185.88	7.69	284.20	0.444
60	Snakespring	00634-73	Altoona	1,050	11	1	523,480	3,058	0.90	498.55	2.91	171.18	0.001
61	Warren South	00255-41	Warren	514	44	3	492,581	2,544	0.85	958.33	4.95	193.62	0.299
62	Franklin Forks	00737-65	Montrose	154	21	1	481,703	351	0.83	3,127.94	2.28	1,372.37	0.000

Penn Power													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Mcknight	W748	Zelienople	1,265	14	1	649,452	2,079	3.88	513	1.64	407	2.249
2	Stoneboro	W-131	Clark	1,489	101	0	615,091	2,665	3.68	413	1.79	293	0.000
3	Union	W-561	New Castle	1,360	28	2	545,744	4,247	3.26	401	3.12	195	2.376
4	Richard	W742	Zelienople	1,548	23	0	532,300	3,819	3.18	344	2.47	319	0.000
5	Jamestown	W-162	Clark	884	35	3	462,307	3,365	2.76	523	3.81	108	0.061
6	Ray Street	D-389	New Castle	1,212	7	2	432,771	2,525	2.59	357	2.08	147	0.000
7	Hartstown	W-126	Clark	2,400	94	0	420,575	2,766	2.51	175	1.15	239	0.297
8	Hadley	W-195	Clark	895	41	0	354,726	856	2.12	396	0.96	135	0.000
9	Harlan	D-344	New Castle	1,057	34	0	316,151	1,326	1.89	299	1.25	387	2.051
10	Mercer	W-167	Clark	854	32	0	277,217	1,233	1.66	325	1.44	140	0.000

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
1	Dutch Fork	Claysville	Washington Pa	1,638	98	1	4,033,848	4,054	5.57	2,462.67	2.47	995.03
2	Hickory	Hickory	Washington Pa	952	56	1	3,985,259	2,196	5.50	4,186.20	2.31	1,814.78
3	Smith	Francis Mine	Washington Pa	1,434	38	2	3,980,197	3,999	5.49	2,775.59	2.79	995.30
4	Dutch Fork	W Alexander	Washington Pa	1,175	82	2	3,905,488	3,435	5.39	3,323.82	2.92	1,136.97
5	Lagonda	Lagonda	Washington Pa	1,599	75	1	3,580,665	4,912	4.94	2,239.32	3.07	728.96
6	Avella	W Middletown	Washington Pa	1,157	90	0	3,210,891	2,408	4.43	2,775.19	2.08	1,333.43
7	Paris	Paris	Washington Pa	759	30	1	2,993,792	1,256	4.13	3,944.39	1.65	2,383.59
8	Houston	Megovern	Washington Pa	2,095	61	0	2,883,259	5,498	3.98	1,376.26	2.62	524.42
9	Donegal	Bear Rocks	Pleasant Valley	1,278	57	0	2,604,344	3,384	3.59	2,037.83	2.65	769.61
10	Rutan	Bristoria	Jefferson	1,118	88	0	2,334,652	3,644	3.22	2,088.24	3.26	640.68
11	Houston	Weavertown	Washington Pa	2,275	35	0	2,093,313	5,406	2.89	920.14	2.38	387.22
12	Cecil	Bishop	Boyce	1,950	49	2	2,085,320	6,341	2.88	1,069.39	3.25	328.86
13	Hickory	Fort Cherry	Washington Pa	1,044	60	0	1,785,884	4,391	2.46	1,710.62	4.21	406.71
14	North Fayette	Tyre	Boyce	1,821	59	1	1,760,738	4,708	2.43	966.91	2.59	373.99
15	Cecil	Muse	Boyce	1,472	16	0	1,674,982	2,406	2.31	1,137.90	1.63	696.17
16	White Valley	Congruity	Jeannette	1,732	37	1	1,664,885	4,270	2.30	961.25	2.47	389.90
17	Houston	Pristine	Washington Pa	1,083	25	0	1,536,148	1,915	2.12	1,418.42	1.77	802.17
18	Fawn	Bull Creek	Arnold	858	29	3	1,493,320	3,226	2.06	1,740.47	3.76	462.90
19	Peters	McMurray	Boyce	1,342	27	2	1,342,470	4,548	1.85	1,000.35	3.39	295.18
20	St. Clair	Fort Couch	Boyce	1,157	26	0	1,326,618	2,589	1.83	1,146.60	2.24	512.41
21	Shaffers Corner	Braeburn	Arnold	1,375	31	2	1,285,394	3,300	1.77	934.83	2.40	389.51
22	Robbins	Balkan	Jeannette	1,716	27	1	1,149,144	3,464	1.59	669.66	2.02	331.74
23	Galley	Waterdam	Washington Pa	1,567	28	0	1,114,751	4,540	1.54	711.39	2.90	245.54
24	Saltsburg	Bell Township	Arnold	753	28	2	1,107,157	2,619	1.53	1,470.33	3.48	422.74
25	Franklin (Wpp)	Rogersville	Jefferson	831	67	0	1,096,180	1,471	1.51	1,319.11	1.77	745.19
26	Linden-Wash	Wylandville	Washington Pa	1,077	42	1	1,059,957	4,320	1.46	984.18	4.01	245.36
27	Hilliards	Hilliards	Butler	894	37	1	1,041,729	4,183	1.44	1,165.24	4.68	249.04
28	Graysville	Graysville	Jefferson	558	49	0	1,015,866	1,308	1.40	1,820.55	2.34	776.66

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

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
29	Mateer	South Bend	Arnold	1,169	28	1	1,004,328	3,703	1.39	859.13	3.17	271.22
30	Thomas	Thomas	Boyce	1,352	50	0	989,754	2,690	1.37	732.07	1.99	367.94
31	Robbins	Mt. Vernon	Jeannette	1,035	18	0	914,809	2,596	1.26	883.87	2.51	352.39
32	Bethel Park	Clifton	Boyce	980	19	1	909,643	2,224	1.25	928.21	2.27	409.01
33	Whitney	Youngstown	Latrobe	1,232	47	1	899,791	4,183	1.24	730.35	3.40	215.11
34	California	Malden	Charleroi	1,100	32	0	898,056	3,617	1.24	816.41	3.29	248.29
35	Piney Fork	Stoltz	Charleroi	2,295	32	2	890,020	9,258	1.23	387.81	4.03	96.14
36	Shaffers Corner	Seventh St Rd	Arnold	2,062	29	2	871,963	5,976	1.20	422.87	2.90	145.91
37	Rutan	Windridge	Jefferson	588	37	0	860,369	1,291	1.19	1,463.21	2.20	666.44
38	Stahlstown	Mansville	Latrobe	491	41	0	852,946	1,933	1.18	1,737.16	3.94	441.26
39	Waterville	Waterville	State College	357	21	0	837,423	1,607	1.16	2,345.72	4.50	521.11
40	Luxor	Rolling Acres	Latrobe	922	66	4	837,384	5,479	1.16	908.23	5.94	152.84

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.

<b>Met-Ed</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
1	No Bangor	00826-3	Easton District	3,189	171
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	4.21	Vehicle	42%	4Q 2021
	SAIDI	760.32	Trees Off Row-Tree	33%	1Q 2022
	SAIFI	3.42	Equipment Failure	8%	2Q 2022
	CAIDI	223	All Other	17%	3Q 2022
	Customer Minutes	2,424,668			
	Customers Affected	10,895			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21
	On cycle tree trimming			To be completed 2022	99%
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
2	Birdsboro	00756-1	Reading District	1,530	118
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.92	Trees Off Row-Tree	84%	4Q 2021
	SAIDI	1,473.77	Equipment Failure	6%	1Q 2022
	SAIFI	7.85	Vehicle	4%	2Q 2022
	CAIDI	188	All Other	5%	3Q 2022
	Customer Minutes	2,254,873			
	Customers Affected	12,008			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Targeted forestry inspection			Complete	Feb-22
	On cycle tree trimming			Complete	May-22

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
3	Barto Sub	00706-1	Boyertown District	2,965	191	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.81	Trees Off Row-Tree	78%	1Q 2022	
	SAIDI	738.73	Trees Off Row-Limb	7%	2Q 2022	
	SAIFI	2.29	Unknown	6%	3Q 2022	
	CAIDI	323	All Other	9%		
	Customer Minutes	2,190,333				
	Customers Affected	6,782				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Targeted forestry inspection - Circuit Lockout			Complete	Apr-21	
	Replace mainline switch			Complete	Apr-22	
	Targeted forestry inspection - 70612 Recloser Zone			Complete	Apr-22	
	Targeted overhead circuit inspection			Complete	Sep-22	
	Rank	Substation	Circuit	District	Customers	Outages
4	Huffs Church	00600-1	Boyertown District	1,642	146	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.19	Trees Off Row-Tree	77%	4Q 2021	
	SAIDI	1,119.40	Trees Off Row-Limb	9%	1Q 2022	
	SAIFI	2.43	Equipment Failure	4%	2Q 2022	
	CAIDI	461	All Other	9%	3Q 2022	
	Customer Minutes	1,838,049				
	Customers Affected	3,983				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Targeted tree trimming (Maryann Drive)			Complete	Nov-21	
	Targeted forestry inspection			Complete	Jan-22	
	Targeted mainline inspection - 60062 Recloser Zone			Complete	Feb-22	
	Rank	Substation	Circuit	District	Customers	Outages
	5	Snydersville Sub	00621-3	Stroudsburg District	1,291	69
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		2.91	Trees Off Row-Tree	85%	4Q 2021	
SAIDI		1,296.61	Equipment Failure	7%	1Q 2022	
SAIFI		5.74	Vehicle	6%	2Q 2022	
CAIDI		226	All Other	2%	3Q 2022	
Customer Minutes		1,673,922				
Customers Affected		7,406				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Replace priority poles (2 poles)			Complete	Mar-22		
On cycle tree trimming			To be completed 2022	74%		

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
6	North Lebanon	00712-2	Lebanon District	2,583	71
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.90	Trees Off Row-Tree	69%	4Q 2021
	SAIDI	645.65	Wind	11%	1Q 2022
	SAIFI	2.39	Vehicle	11%	2Q 2022
	CAIDI	271	All Other	8%	3Q 2022
	Customer Minutes	1,667,708			
	Customers Affected	6,165			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle Tree Trimming			Complete	Dec-21
	Install Supervisory Control and Data Acquisition (SCADA) switch (2 devices)			To be completed 2022	50%
Rank	Substation	Circuit	District	Customers	Outages
7	North Cornwall Sub	00610-2	Lebanon District	2,356	72
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.42	Trees Off Row-Tree	86%	4Q 2021
	SAIDI	591.44	Unknown	4%	1Q 2022
	SAIFI	2.46	Equipment Failure	4%	2Q 2022
	CAIDI	240	All Other	5%	3Q 2022
	Customer Minutes	1,393,438			
	Customers Affected	5,796			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection			Complete	Oct-21
	Mainline Circuit Rehab			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
8	Painted Sky	00650-1	Reading District	1,783	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.37	Trees Off Row-Tree	59%	3Q 2022
	SAIDI	764.56	Equipment Failure	37%	
	SAIFI	2.22	Line Failure	2%	
	CAIDI	345	All Other	1%	
	Customer Minutes	1,363,208			
	Customers Affected	3,952			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Proactive UG cable replacement Laurel Springs			Complete	Aug-22
	Replace mainline pole from inspection			Complete	Sep-22
Upgrade mainline recloser			Complete	Sep-22	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
9	Lyons Sub	00729-1	Reading District	1,191	82
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.00	Trees Off Row-Tree	69%	3Q 2022
	SAIDI	966.26	Trees Off Row-Limb	29%	
	SAIFI	1.81	Equipment Failure	1%	
	CAIDI	534	All Other	1%	
	Customer Minutes	1,150,821			
	Customers Affected	2,155			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Targeted forestry inspections			Complete	Mar-22
Rank	Substation	Circuit	District	Customers	Outages
10	Mountain Substation	00743-4	Dillsburg District	1,031	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.00	Vehicle	54%	1Q 2022
	SAIDI	1,115.65	Trees Off Row-Tree	43%	3Q 2022
	SAIFI	1.96	Trees Off Row-Limb	2%	
	CAIDI	568	All Other	1%	
	Customer Minutes	1,150,232			
	Customers Affected	2,025			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
11	No Bangor	00813-3	Easton District	1,356	53
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.95	Trees Off Row-Tree	33%	4Q 2021
	SAIDI	826.41	Lightning	28%	3Q 2022
	SAIFI	2.43	Unknown	17%	
	CAIDI	340	All Other	21%	
	Customer Minutes	1,120,616			
	Customers Affected	3,298			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21
Repair priority items from thermovision inspection			Complete	Oct-21	
Overhead circuit inspection			Complete	Nov-21	
Replace backlog poles (8 poles)			Complete	Dec-21	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
12	Lynnville Sub	00737-1	Hamburg District	1,078	112	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.93	Trees Off Row-Tree	69%	4Q 2021	
	SAIDI	1,030.97	Equipment Failure	11%	1Q 2022	
	SAIFI	3.00	Vehicle	7%	2Q 2022	
	CAIDI	344	All Other	13%	3Q 2022	
	Customer Minutes	1,111,384				
	Customers Affected	3,235				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Target Tree Trimming (Sousley Rd)			Complete	Aug-21	
	Install Supervisory Control and Data Acquisition (SCADA)			Complete	Mar-22	
	Targeted forestry inspection			Complete	Jan-22	
	Replace mainline backlog poles (2 poles)			Complete	Jul-22	
	On cycle Tree Trimming			To be completed 2022	98%	
Rank	Substation	Circuit	District	Customers	Outages	
13	Ferndale Sub	00871-3	Easton District	488	47	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.90	Trees Off Row-Tree	54%	4Q 2021	
	SAIDI	2,240.72	Trees Off Row-Limb	39%	1Q 2022	
	SAIFI	4.82	Equipment Failure	2%	2Q 2022	
	CAIDI	465	All Other	5%	3Q 2022	
	Customer Minutes	1,093,470				
	Customers Affected	2,351				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Overhead circuit inspection			Complete	Nov-21	
	Mainline 34.5 kV forestry aerial patrol			Complete	Aug-22	
	Repair/replace priority item from overhead inspection			To be completed 2022	50%	
	Rank	Substation	Circuit	District	Customers	Outages
	14	Barto Sub	00705-1	Boyertown District	654	85
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.90	Trees Off Row-Tree	83%	4Q 2021	
SAIDI		1,668.93	Trees Off Row-Limb	8%	1Q 2022	
SAIFI		4.39	Unknown	3%	2Q 2022	
CAIDI		380	All Other	5%	3Q 2022	
Customer Minutes		1,091,482				
Customers Affected		2,871				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Targeted forestry inspection (Mountain Mary Rd)			Complete	Jan-22		
Targeted forestry inspection - 2-18-22 Recloser lockout			Complete	Apr-22		

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
15	Bairs Sub	00571-4	York District	2,371	86
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.84	Trees Off Row-Tree	32%	4Q 2021
	SAIDI	446.81	Forced Outage	23%	1Q 2022
	SAIFI	3.77	Animal	17%	2Q 2022
	CAIDI	119	All Other	28%	3Q 2022
	Customer Minutes	1,059,393			
	Customers Affected	8,935			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Dec-21
	Engineering SCADA Analysis			Complete	Feb-22
	Replace Recloser			To be completed 2022	50%
Rank	Substation	Circuit	District	Customers	Outages
16	Carsonia Sub	00767-1	Reading District	977	35
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.80	Trees Off Row-Tree	49%	2Q 2022
	SAIDI	1,061.41	Equipment Failure	30%	3Q 2022
	SAIFI	6.71	Unknown	16%	
	CAIDI	158	All Other	5%	
	Customer Minutes	1,036,993			
	Customers Affected	6,556			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace priority one pole			Complete	May-22
	On cycle tree trimming			To be completed 2023	0%
	Rank	Substation	Circuit	District	Customers
17	Hill Sub	00735-4	York District	1,623	87
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.75	Trees Off Row-Tree	54%	2Q 2022
	SAIDI	621.80	Equipment Failure	34%	3Q 2022
	SAIFI	3.08	Vehicle	6%	
	CAIDI	202	All Other	6%	
	Customer Minutes	1,009,179			
	Customers Affected	4,998			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace backlog poles (8 poles)			Complete	Jan-22

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
18	Shawnee Sub	00860-3	Stroudsburg District	3,224	57	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.75	Trees Off Row-Tree	61%	4Q 2021	
	SAIDI	312.53	Equipment Failure	20%	1Q 2022	
	SAIFI	2.70	Lightning	11%	2Q 2022	
	CAIDI	116	All Other	8%	3Q 2022	
	Customer Minutes	1,007,594				
	Customers Affected	8,699				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21	
	Replace backlog poles (10 poles)			Complete	Dec-21	
	Overhead circuit inspection			Complete	Mar-22	
	Circuit Rehabilitation			Complete	Aug-22	
	On cycle tree trimming			To be completed 2022	65%	
Rank	Substation	Circuit	District	Customers	Outages	
19	Angelica Sub	00129-1	Reading District	700	39	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.70	Trees Off Row-Tree	94%	1Q 2022	
	SAIDI	1,394.75	Trees Off Row-Limb	1%	2Q 2022	
	SAIFI	2.42	Unknown	1%	3Q 2022	
	CAIDI	576	All Other	3%		
	Customer Minutes	976,328				
	Customers Affected	1,696				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Targeted forestry inspection			Complete	Aug-21	
	Replace mainline backlog pole			Complete	Jun-22	
	On cycle tree trimming			To be completed 2023	0%	
	Rank	Substation	Circuit	District	Customers	Outages
	20	Friedensburg Sub	00141-1	Reading District	650	55
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.58	Trees Off Row-Tree	67%	4Q 2021	
SAIDI		1,398.22	Unknown	13%	1Q 2022	
SAIFI		2.94	Trees Off Row-Limb	12%	2Q 2022	
CAIDI		476	All Other	8%	3Q 2022	
Customer Minutes		908,845				
Customers Affected		1,909				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Repair/Replace high priority items from overhead circuit inspection			Complete	May-22		
On cycle Tree Trimming			Complete	May-22		

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
21	Mountain Substation	00744-4	Dillsburg District	1,866	65
	<b>Reliability</b>			<b>Outage by Cause</b>	
	SAIDI Impact	1.53	Trees Off Row-Tree	87%	4Q 2021
	SAIDI	470.50	Trees Off Row-Limb	4%	1Q 2022
	SAIFI	2.50	Equipment Failure	3%	2Q 2022
	CAIDI	188	All Other	5%	3Q 2022
	Customer Minutes	877,955			
	Customers Affected	4,664			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle Tree Trimming			Complete	May-22
Circuit Rehabilitation Zone 2			To be Completed 2023	25%	
Rank	Substation	Circuit	District	Customers	Outages
22	W Boyertown Sub	00714-1	Boyertown District	1,886	55
	<b>Reliability</b>			<b>Outage by Cause</b>	
	SAIDI Impact	1.52	Trees Off Row-Tree	85%	3Q 2022
	SAIDI	464.73	Equipment Failure	9%	
	SAIFI	1.90	Trees Off Row-Limb	3%	
	CAIDI	245	All Other	3%	
	Customer Minutes	876,487			
	Customers Affected	3,579			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Apr-21
	Overhead circuit inspection			Complete	Jul-21
	Upgrade mainline recloser			Complete	Aug-22
	Construct circuit tie			To be completed 2023	75%
Rank	Substation	Circuit	District	Customers	Outages
23	North Lebanon	00715-2	Lebanon District	1,625	48
	<b>Reliability</b>			<b>Outage by Cause</b>	
	SAIDI Impact	1.48	Vehicle	63%	1Q 2022
	SAIDI	522.44	Equipment Failure	20%	2Q 2022
	SAIFI	3.45	Trees Off Row-Tree	7%	3Q 2022
	CAIDI	151	All Other	10%	
	Customer Minutes	848,968			
	Customers Affected	5,608			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
On cycle tree trimming			Complete	Dec-21	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
24	Flying Hills Sub	00777-1	Reading District	1,789	72
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.45	Trees Off Row-Tree	42%	4Q 2021
	SAIDI	466.94	Vehicle	30%	1Q 2022
	SAIFI	2.20	Trees On Row	8%	2Q 2022
	CAIDI	212	All Other	20%	3Q 2022
	Customer Minutes	835,358			
	Customers Affected	3,933			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) switch (4 devices)			To be completed 2022	75%
Rank	Substation	Circuit	District	Customers	Outages
25	Carsonia Sub	00764-1	Reading District	3,036	84
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.40	Trees Off Row-Tree	63%	3Q 2022
	SAIDI	265.02	Line Failure	11%	
	SAIFI	1.81	Equipment Failure	7%	
	CAIDI	147	All Other	20%	
	Customer Minutes	804,595			
	Customers Affected	5,484			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Targeted tree trimming (Wood Lane)			Complete	Sep-21
	Targeted forestry inspection			Complete	Sep-21
	Circuit rehab project			Complete	Sep-22
	Construct circuit tie			To be completed 2022	75%
Rank	Substation	Circuit	District	Customers	Outages
26	Birdsboro	00759-1	Reading District	930	40
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.35	Trees Off Row-Tree	63%	2Q 2022
	SAIDI	833.89	Line Failure	19%	3Q 2022
	SAIFI	3.58	Unknown	7%	
	CAIDI	233	All Other	10%	
	Customer Minutes	775,516			
	Customers Affected	3,328			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace backlog poles (3 poles)			Complete	May-22
On cycle tree trimming			Complete	Sep-22	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
27	Collins Substation	00760-2	Lebanon District	1,113	48
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.33	Trees Off Row-Tree	90%	4Q 2021
	SAIDI	687.29	Vehicle	4%	1Q 2022
	SAIFI	1.74	Equipment Failure	2%	2Q 2022
	CAIDI	395	All Other	4%	3Q 2022
	Customer Minutes	764,953			
	Customers Affected	1,939			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Jun-21
	Additional Ash Tree Removal			Complete	Jul-21
Rank	Substation	Circuit	District	Customers	Outages
28	Lynnville Sub	00735-1	Hamburg District	1,395	59
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.32	Trees Off Row-Tree	72%	2Q 2022
	SAIDI	545.63	Customer Equipment	10%	3Q 2022
	SAIFI	1.85	Equipment Failure	6%	
	CAIDI	295	All Other	11%	
	Customer Minutes	761,151			
	Customers Affected	2,583			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Targeted Mainline Circuit Rehabilitation			Complete	Dec-21
	On cycle Tree Trimming			To be completed 2022	75%
Rank	Substation	Circuit	District	Customers	Outages
29	Ferndale Sub	00077-3	Easton District	402	85
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.20	Trees Off Row-Tree	74%	3Q 2022
	SAIDI	1,722.19	Unknown	9%	
	SAIFI	4.64	Wind	7%	
	CAIDI	371	All Other	10%	
	Customer Minutes	692,320			
	Customers Affected	1,867			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Mid cycle forestry inspection			To be completed 2022	0%
	On cycle tree trimming			To be completed 2023	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
30	Earlville	00126-1	Boyertown District	389	19
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.18	Trees Off Row-Tree	55%	3Q 2022
	SAIDI	1,746.53	Vehicle	21%	
	SAIFI	3.79	Line Failure	13%	
	CAIDI	460	All Other	11%	
	Customer Minutes	679,402			
	Customers Affected	1,476			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection			Complete	Jun-22
	Construct circuit tie			To be completed 2023	75%
	On cycle tree trimming			To be completed 2023	0%
Rank	Substation	Circuit	District	Customers	Outages
31	Ottsville Substation	00660-3	Easton District	871	74
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.13	Trees Off Row-Tree	64%	3Q 2022
	SAIDI	744.17	Unknown	12%	
	SAIFI	2.18	Equipment Failure	11%	
	CAIDI	342	All Other	13%	
	Customer Minutes	648,170			
	Customers Affected	1,895			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Apr-21
	Overhead circuit inspection			Complete	Jan-22
	Rank	Substation	Circuit	District	Customers
32	Newberry Sub	00586-4	York District	1,992	68
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.09	Trees Off Row-Tree	34%	3Q 2022
	SAIDI	314.60	Line Failure	30%	
	SAIFI	3.90	Trees Off Row-Limb	22%	
	CAIDI	81	All Other	14%	
	Customer Minutes	626,687			
	Customers Affected	7,772			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			To be completed 2022	41%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
33	Campbelltown Sub	00634-2	Lebanon District	1,048	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.08	Equipment Failure	45%	3Q 2022
	SAIDI	594.61	Forced Outage	17%	
	SAIFI	3.61	Wind	17%	
	CAIDI	165	All Other	21%	
	Customer Minutes	623,156			
	Customers Affected	3,782			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Thermovision and overhead circuit inspection			Complete	Dec-21
Rank	Substation	Circuit	District	Customers	Outages
34	S Hamb Sub	00740-1	Hamburg District	1,276	70
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.07	Trees Off Row-Tree	49%	4Q 2021
	SAIDI	481.33	Equipment Failure	29%	2Q 2022
	SAIFI	2.46	Line Failure	12%	3Q 2022
	CAIDI	195	All Other	11%	
	Customer Minutes	614,176			
	Customers Affected	3,145			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection			Complete	Jun-22
Replace mainline backlog poles (3 poles)			Complete	Mar-22	
Rank	Substation	Circuit	District	Customers	Outages
35	Mc Knights Gap Sub	00773-1	Reading District	2,297	87
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.06	Trees Off Row-Tree	60%	3Q 2022
	SAIDI	264.24	Human Error - Company	12%	
	SAIFI	1.81	Equipment Failure	7%	
	CAIDI	146	All Other	21%	
	Customer Minutes	606,968			
	Customers Affected	4,148			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) devices (3 devices)			Complete	Mar-22
Replace mainline backlog poles (2 poles)			Complete	May-22	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
36	Raubsville St	00079-3	Easton District	799	24
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.05	Trees Off Row-Tree	58%	1Q 2022
	SAIDI	755.88	Equipment Failure	35%	2Q 2022
	SAIFI	2.19	Unknown	5%	3Q 2022
	CAIDI	345	All Other	2%	
	Customer Minutes	603,950			
	Customers Affected	1,750			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace backlog poles (10 poles)			Complete	Jun-22
	Mid cycle forestry inspection			Complete	Sep-22
Rank	Substation	Circuit	District	Customers	Outages
37	Stouchburg Sub	00758-2	Lebanon District	1,172	48
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.04	Trees Off Row-Tree	27%	3Q 2022
	SAIDI	509.03	Unknown	25%	
	SAIFI	2.96	Equipment Failure	15%	
	CAIDI	172	All Other	32%	
	Customer Minutes	596,580			
	Customers Affected	3,471			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection			Complete	Jan-22
	Repair/replace priority items from overhead circuit inspection			Complete	Oct-22
	Rank	Substation	Circuit	District	Customers
38	Rehrersburg Sub	00718-2	Lebanon District	700	60
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.02	Trees Off Row-Tree	50%	3Q 2022
	SAIDI	839.97	Wind	20%	
	SAIFI	3.96	Unknown	9%	
	CAIDI	212	All Other	20%	
	Customer Minutes	587,981			
	Customers Affected	2,771			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			To be completed 2022	97%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
39	County Line Sub	00703-1	Boyertown District	970	52
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.00	Trees Off Row-Tree	74%	3Q 2022
	SAIDI	593.77	Trees Off Row-Limb	10%	
	SAIFI	2.91	Wind	6%	
	CAIDI	204	All Other	10%	
	Customer Minutes	575,958			
	Customers Affected	2,818			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair/Replace priority items from overhead circuit inspection			Complete	Aug-22
	Install Supervisory Control and Data Acquisition (SCADA) switch			Complete	Aug-22
	On cycle tree trimming			To be completed 2023	0%

Met-Ed					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2021	1Q 2022	2Q 2022	3Q 2022
Belfast	00817-3	X	X		
Bushkill Falls	00698-3	X	X	X	
Cly	00721-4	X	X	X	
Grantley	00401-4	X	X		
Hill	00737-4	X	X	X	
Lynnville	00749-1		X	X	
Mountain	00742-4	X	X		
North Cornwall	00611-2		X	X	
North Hanover	00505-4		X	X	
Orrtanna	00761-4	X	X		
Pleasantville	00142-1	X	X	X	
Shawnee	00899-3	X	X	X	
Shawnee	00895-3	X	X		
Tolna	00792-4	X	X	X	
Violet Hill	00527-4	X	X	X	
W Boyertown	00715-1	X	X	X	

<b>Met-Ed</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work</b>	<b>Progress of Remedial Work or Date Completed</b>
Ferndale	00076-3	Repair/Replace priority items from overhead circuit inspection	To be completed 2022	99%
Gardners	00750-4	Install Supervisory Control and Data Acquisition (2 Devices)	To be Completed 2022	25%
Grantley	00401-4	Repair/replace priority items from overhead circuit inspection	Complete	Jun-22
Hokes	00587-4	Install Supervisory Control and Data Acquisition recloser	To be completed 2022	25%
Hokes	00587-4	On cycle tree trimming	To be completed 2022	31%
Mountain	00743-4	On cycle tree trimming	To be Completed 2022	0%
Mountain	00742-4	On cycle tree trimming	To be Completed 2022	43%
Shawnee	00895-3	Replace insulators	Complete	May-22
Shawnee	00895-3	Overhead circuit inspection	Complete	Jun-22
Swatara Hill	00763-2	On cycle tree trimming	To be completed 2022	99%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
1	Thompson	00436-65	Montrose	1,225	101
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	8.55	Trees Off Row-Tree	67%	4Q 2021
	SAIDI	4,046.32	Ice	21%	1Q 2022
	SAIFI	5.04	Equipment Failure	4%	2Q 2022
	CAIDI	802.45	All Other	8%	3Q 2022
	Customer Minutes	4,956,738			
	Customers Affected	6,177			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Jul-21
	Repair damage caused by trees			Complete	Sep-21
	Repair line failure			Complete	Nov-21
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Apr-22
Rank	Substation	Circuit	District	Customers	Outages
2	Tiffany	00435-65	Montrose	1,551	82
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	7.73	Ice	41%	4Q 2021
	SAIDI	2,888.15	Trees Off Row-Tree	33%	1Q 2022
	SAIFI	5.44	Equipment Failure	15%	2Q 2022
	CAIDI	531.25	All Other	11%	3Q 2022
	Customer Minutes	4,479,526			
	Customers Affected	8,432			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning			Complete	Jun-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Circuit inspection			Complete	Oct-21
	Repair line failure			Complete	Oct-21
	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	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
3	N Meshoppen Tran	00534-65	Montrose	888	100
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	6.88	Ice	75%	4Q 2021
	SAIDI	4,492.04	Trees Off Row-Tree	13%	1Q 2022
	SAIFI	6.01	Equipment Failure	5%	2Q 2022
	CAIDI	747.69	All Other	7%	3Q 2022
	Customer Minutes	3,988,931			
	Customers Affected	5,335			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning			Complete	Jul-21
	Repair equipment failure			Complete	Mar-22
	Repair damage caused by ice			Complete	Apr-22
	On cycle tree clearing			To be Completed	98%
	Rank	Substation	Circuit	District	Customers
4	Tiffany	00440-65	Montrose	1,008	43
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	6.12	Ice	70%	4Q 2021
	SAIDI	3,518.91	Trees Off Row-Tree	9%	1Q 2022
	SAIFI	7.25	Trees Off Row-Limb	7%	2Q 2022
	CAIDI	485.57	All Other	13%	3Q 2022
	Customer Minutes	3,547,061			
	Customers Affected	7,305			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Jul-21
	Repair line failure			Complete	Nov-21
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Apr-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
5	N Meshoppen Tran	00531-65	Montrose	630	57
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	5.54	Ice	72%	4Q 2021
	SAIDI	5,094.61	Trees Off Row-Tree	20%	1Q 2022
	SAIFI	6.80	Equipment Failure	5%	2Q 2022
	CAIDI	749.21	All Other	3%	3Q 2022
	Customer Minutes	3,209,606			
	Customers Affected	4,284			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	May-21
	Repair damage caused by lightning			Complete	Jul-21
	Repair damage caused by lightning			Complete	Jul-21
	Repair damage caused by trees during a storm			Complete	Mar-22
	Repair damage caused by ice			Complete	Apr-22
Rank	Substation	Circuit	District	Customers	Outages
6	Natl Forge Sw Sta	00577-41	Warren	1,197	70
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	5.41	Trees Off Row-Tree	94%	4Q 2021
	SAIDI	2,623.17	Trees Off Row-Limb	2%	1Q 2022
	SAIFI	3.32	Equipment Failure	2%	2Q 2022
	CAIDI	790.32	All Other	2%	3Q 2022
	Customer Minutes	3,139,931			
	Customers Affected	3,973			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install advanced Dx protective devices			Complete	Apr-21
	Repair damage caused by trees during a storm			Complete	Jun-21
	Restore recloser operation of unknown cause			Complete	Jul-21
	Circuit inspection			Complete	Sep-21
	Repair damage caused by trees during a storm			Complete	Dec-21
Repair damage caused by trees during a storm			Complete	Jun-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
7	Wyalusing	00532-62	Towanda	720	64
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	5.33	Ice	69%	3Q 2021
	SAIDI	4,293.70	Lightning	19%	4Q 2021
	SAIFI	5.50	Trees Off Row-Tree	9%	1Q 2022
	CAIDI	780.67	All Other	3%	2Q 2022
	Customer Minutes	3,091,461			
	Customers Affected	3,960			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jul-21
	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
Rank	Substation	Circuit	District	Customers	Outages
8	Lenox	00755-65	Montrose	682	67
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	5.04	Ice	48%	2Q 2022
	SAIDI	4,287.49	Trees Off Row-Tree	23%	3Q 2022
	SAIFI	7.79	Equipment Failure	15%	
	CAIDI	550.46	All Other	14%	
	Customer Minutes	2,924,068			
	Customers Affected	5,312			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Oct-21
	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

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
9	Thompson	00442-65	Montrose	596	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.92	Ice	54%	2Q 2022
	SAIDI	3,816.97	Trees Off Row-Tree	26%	3Q 2022
	SAIFI	4.53	Trees Off Row-Limb	13%	
	CAIDI	842.56	All Other	7%	
	Customer Minutes	2,274,915			
	Customers Affected	2,700			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	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
Rank	Substation	Circuit	District	Customers	Outages
10	Russell Hill	00282-65	Montrose	697	49
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.89	Ice	36%	4Q 2021
	SAIDI	3,234.74	Wind	29%	1Q 2022
	SAIFI	4.56	Equipment Failure	12%	2Q 2022
	CAIDI	709.67	All Other	23%	3Q 2022
	Customer Minutes	2,254,616			
	Customers Affected	3,177			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by wind			Complete	Apr-21
	Repair damage caused by trees during a storm			Complete	May-21
	Install advanced Dx protective devices			Complete	Jun-21
	Repair equipment failure			Complete	Oct-21
Repair damage caused by wind			Complete	Dec-21	
Repair damage caused by ice			Complete	Apr-22	
Rank	Substation	Circuit	District	Customers	Outages
11	Laurel Lake Sub Tran	00769-65	Montrose	484	21
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.57	Trees Off Row-Tree	92%	2Q 2022
	SAIDI	4,278.40	Human Error -Non-Company	6%	3Q 2022
	SAIFI	2.33	Line Failure	1%	
	CAIDI	1,837.39	All Other	1%	
	Customer Minutes	2,070,744			
	Customers Affected	1,127			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
Repair damage caused by trees during a storm			Complete	Apr-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
12	Montrose	00457-65	Montrose	574	50
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.52	Ice	66%	4Q 2021
	SAIDI	3,557.22	Trees Off Row-Tree	28%	2Q 2022
	SAIFI	2.43	Unknown	2%	3Q 2022
	CAIDI	1,462.64	All Other	5%	
	Customer Minutes	2,041,846			
	Customers Affected	1,396			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Apr-22
Rank	Substation	Circuit	District	Customers	Outages
13	Knox	00323-51	Oil City	1,006	49
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.20	Unknown	41%	1Q 2022
	SAIDI	1,841.66	Trees Off Row-Tree	20%	2Q 2022
	SAIFI	11.41	Equipment Failure	17%	3Q 2022
	CAIDI	161.37	All Other	1%	
	Customer Minutes	1,852,714			
	Customers Affected	11,481			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Jan-22
	Restore breaker operation of unknown cause			Complete	Mar-22
Repair damage caused by trees during a storm			Complete	Mar-22	
Rank	Substation	Circuit	District	Customers	Outages
14	Brooklyn	00749-65	Montrose	497	33
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.03	Ice	75%	2Q 2022
	SAIDI	3,536.07	Trees Off Row-Tree	11%	3Q 2022
	SAIFI	2.70	Line Failure	9%	
	CAIDI	1,308.58	All Other	5%	
	Customer Minutes	1,757,428			
	Customers Affected	1,343			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Dec-21
	Repair damage caused by ice			Complete	Apr-22
Repair line failure			Complete	Aug-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
15	Tunkhannock	00533-65	Montrose	1,243	97
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.00	Trees Off Row-Tree	58%	4Q 2021
	SAIDI	1,401.09	Equipment Failure	15%	1Q 2022
	SAIFI	2.69	Trees Off Row-Limb	9%	2Q 2022
	CAIDI	520.33	All Other	19%	3Q 2022
	Customer Minutes	1,741,552			
	Customers Affected	3,347			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-21
	Install advanced Dx protective devices			Complete	Jun-21
	Restore recloser operation of unknown cause			Complete	Jun-21
	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	
Rank	Substation	Circuit	District	Customers	Outages
16	Oxbow	00555-65	Montrose	728	64
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.92	Ice	46%	2Q 2022
	SAIDI	2,329.19	Trees Off Row-Tree	41%	3Q 2022
	SAIFI	5.56	Equipment Failure	4%	
	CAIDI	419.20	All Other	9%	
	Customer Minutes	1,695,651			
	Customers Affected	4,045			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Jul-21
	Repair damage caused by ice			Complete	Apr-22
Repair damage caused by trees			Complete	Aug-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
17	Marienville	00328-51	Oil City	1,208	75
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.91	Trees Off Row-Tree	79%	4Q 2021
	SAIDI	1,395.65	Line Failure	8%	1Q 2022
	SAIFI	3.75	Trees Off Row-Limb	4%	2Q 2022
	CAIDI	372.17	All Other	9%	3Q 2022
	Customer Minutes	1,685,941			
	Customers Affected	4,530			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Mar-21
	Install advanced Dx protective devices			Complete	Oct-21
	Repair damage caused by trees during a storm			Complete	Dec-21
	Repair line failure			Complete	Mar-22
	Repair damage caused by trees during a storm			Complete	Jun-22
On cycle tree clearing			To be Completed	93%	
Rank	Substation	Circuit	District	Customers	Outages
18	East Towanda	00525-62	Towanda	616	60
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.77	Ice	38%	4Q 2021
	SAIDI	2,608.22	Equipment Failure	25%	2Q 2022
	SAIFI	7.00	Lightning	13%	3Q 2022
	CAIDI	372.34	All Other	24%	
	Customer Minutes	1,606,665			
	Customers Affected	4,315			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Feb-22
	Repair damage caused by ice			Complete	Apr-22
	Restore recloser operation of unknown cause			Complete	May-22
	Repair damage caused by lightning			Complete	Jul-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
19	Russell Hill	00765-65	Montrose	373	49
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.67	Trees Off Row-Tree	45%	4Q 2021
	SAIDI	4,152.11	Ice	33%	1Q 2022
	SAIFI	4.60	Equipment Failure	19%	2Q 2022
	CAIDI	903.58	All Other	4%	3Q 2022
	Customer Minutes	1,548,738			
	Customers Affected	1,714			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning			Complete	Jul-21
	Repair equipment failure			Complete	Oct-21
	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
Rank	Substation	Circuit	District	Customers	Outages
20	Laurel Lake Sub Tran	00449-65	Montrose	521	55
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.62	Ice	60%	2Q 2022
	SAIDI	2,919.08	Trees Off Row-Tree	31%	3Q 2022
	SAIFI	3.04	Equipment Failure	3%	
	CAIDI	960.13	All Other	6%	
	Customer Minutes	1,520,842			
	Customers Affected	1,584			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Oct-21
	Repair damage caused by ice			Complete	Apr-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
21	Lake Como	00788-65	Montrose	639	40
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.62	Ice	62%	3Q 2021
	SAIDI	2,374.64	Trees Off Row-Tree	30%	4Q 2021
	SAIFI	2.16	Equipment Failure	5%	1Q 2022
	CAIDI	1,097.97	All Other	3%	2Q 2022
	Customer Minutes	1,517,395			
	Customers Affected	1,382			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install advanced Dx protective devices			Complete	Jun-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Circuit inspection			Complete	Oct-21
	Repair damage caused by trees			Complete	Nov-21
	Repair damage caused by trees during a storm			Complete	Mar-22
Repair damage caused by tice			Complete	Apr-22	
On cycle tree clearing			To be Completed	83%	
Rank	Substation	Circuit	District	Customers	Outages
22	Industrial Park	00796-65	Montrose	358	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.42	Ice	63%	2Q 2022
	SAIDI	3,921.14	Lightning	12%	3Q 2022
	SAIFI	6.28	Trees Off Row-Tree	10%	
	CAIDI	623.90	All Other	15%	
	Customer Minutes	1,403,769			
	Customers Affected	2,250			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Dec-21
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by lightning			Complete	Jul-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
23	Cranberry	00350-51	Oil City	1,067	54
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.42	Lightning	40%	4Q 2021
	SAIDI	1,313.66	Line Failure	34%	1Q 2022
	SAIFI	4.82	Trees Off Row-Tree	15%	2Q 2022
	CAIDI	272.38	All Other	11%	3Q 2022
	Customer Minutes	1,401,677			
	Customers Affected	5,146			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Jun-21
	Repair line failure			Complete	Oct-21
	Repair line failure			Complete	Dec-21
	Repair damage caused by trees during a storm			Complete	Feb-22
	Repair damage caused by lightning			Complete	May-22
	On cycle tree clearing			To be Completed	99%
Circuit inspection			Complete	Jun-22	
Rank	Substation	Circuit	District	Customers	Outages
24	Brooklyn	00748-65	Montrose	196	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.39	Trees Off Row-Tree	33%	2Q 2022
	SAIDI	7,061.14	Equipment Failure	32%	3Q 2022
	SAIFI	5.06	Ice	28%	
	CAIDI	1,396.55	All Other	6%	
	Customer Minutes	1,383,984			
	Customers Affected	991			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Oct-21
	Repair damage caused by ice			Complete	Apr-22
	Repair equipment failure			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Jul-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
25	Hepburnia	00778-21	Clearfield	666	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.33	Object Contact With Line	65%	1Q 2022
	SAIDI	2,032.95	Lightning	26%	3Q 2022
	SAIFI	3.16	Trees Off Row-Tree	4%	
	CAIDI	642.90	All Other	5%	
	Customer Minutes	1,353,946			
	Customers Affected	2,106			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Apr-21
	Repair damage caused by the object in contact with line			Complete	Mar-22
	Repair damage caused by lightning			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
26	Warren South	00220-41	Warren	2,833	111
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.28	Trees Off Row-Tree	61%	4Q 2021
	SAIDI	466.63	Trees Off Row-Limb	9%	1Q 2022
	SAIFI	2.72	Line Failure	8%	2Q 2022
	CAIDI	171.68	All Other	21%	3Q 2022
	Customer Minutes	1,321,958			
	Customers Affected	7,700			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Apr-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair line failure			Complete	Nov-21
	Repair damage caused by trees			Complete	Jul-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
27	Madera	00165-22	Philipsburg	1,675	45
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.11	Trees Off Row-Tree	59%	4Q 2021
	SAIDI	731.14	Equipment Failure	25%	1Q 2022
	SAIFI	2.92	Wind	6%	2Q 2022
	CAIDI	250.34	All Other	10%	3Q 2022
	Customer Minutes	1,224,664			
	Customers Affected	4,892			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jun-21
	Repair damage caused by trees during a storm			Complete	Oct-21
	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
Rank	Substation	Circuit	District	Customers	Outages
28	Spangler	00052-72	Altoona	746	11
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.08	Trees Off Row-Tree	73%	4Q 2021
	SAIDI	1,619.52	Trees Off Row-Limb	14%	1Q 2022
	SAIFI	5.32	Vehicle	13%	2Q 2022
	CAIDI	304.17	All Other	0%	3Q 2022
	Customer Minutes	1,208,159			
	Customers Affected	3,972			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Mar-21
	Repair damage caused by trees during a storm			Complete	Dec-21
	Repair damage caused by trees during a storm			Complete	Feb-22
	Repair damage caused by a vehicle accident			Complete	Mar-22
	Install advanced Dx protective devices			Complete	Apr-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
29	Laurel Lake Sub Tran	00448-65	Montrose	403	17
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.04	Trees Off Row-Tree	70%	3Q 2022
	SAIDI	2,934.55	Equipment Failure	13%	
	SAIFI	2.15	Lightning	11%	
	CAIDI	1,362.47	All Other	6%	
	Customer Minutes	1,182,625			
	Customers Affected	868			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	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
Rank	Substation	Circuit	District	Customers	Outages
30	Lenox	00434-65	Montrose	272	30
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.86	Equipment Failure	69%	3Q 2022
	SAIDI	3,965.32	Trees Off Row-Tree	25%	
	SAIFI	3.81	Unknown	2%	
	CAIDI	1,040.08	All Other	4%	
	Customer Minutes	1,078,567			
	Customers Affected	1,037			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Apr-22
	Repair damage caused by trees			Complete	Sep-22
	Rank	Substation	Circuit	District	Customers
31	N Meshoppen Tran	00437-65	Montrose	559	66
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.85	Trees Off Row-Tree	50%	3Q 2022
	SAIDI	1,921.67	Ice	27%	
	SAIFI	2.62	Unknown	8%	
	CAIDI	734.25	All Other	14%	
	Customer Minutes	1,074,215			
	Customers Affected	1,463			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Apr-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
32	Meshoppen	00283-65	Montrose	384	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.82	Trees Off Row-Tree	72%	4Q 2021
	SAIDI	2,747.79	Ice	26%	1Q 2022
	SAIFI	2.48	Equipment Failure	1%	2Q 2022
	CAIDI	1,107.19	All Other	1%	3Q 2022
	Customer Minutes	1,055,153			
	Customers Affected	953			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	May-21
	Circuit inspection			Complete	Jun-21
	Repair damage caused by trees			Complete	Oct-21
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Apr-22
Rank	Substation	Circuit	District	Customers	Outages
33	Grover	00527-63	Towanda	1,052	62
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.73	Vehicle	59%	4Q 2021
	SAIDI	952.67	Trees Off Row-Tree	15%	1Q 2022
	SAIFI	2.66	Lightning	9%	2Q 2022
	CAIDI	357.80	All Other	17%	3Q 2022
	Customer Minutes	1,002,209			
	Customers Affected	2,801			
	Remedial Action Planned or Taken			Status	Progress
	Install advanced Dx protective devices			Complete	May-21
	Targeted circuit rehab			Complete	Jun-21
	Repair equipment failure			Complete	Jun-21
	Repair damage caused by trees			Complete	Oct-21
	Repair damage caused by vehicle accident			Complete	Nov-21
Repair damage caused by lightning			Complete	Jul-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
34	Elk Run	00622-23	Dubois	1,013	42
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.63	Trees Off Row-Tree	93%	3Q 2022
	SAIDI	934.32	Equipment Failure	4%	
	SAIFI	2.33	Unknown	1%	
	CAIDI	401.56	All Other	2%	
	Customer Minutes	946,466			
	Customers Affected	2,357			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	May-22
	Repair damage caused by trees			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
35	Crown	00320-51	Oil City	465	45
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.62	Trees Off Row-Tree	73%	4Q 2021
	SAIDI	2,021.92	Unknown	8%	1Q 2022
	SAIFI	6.39	Trees Off Row-Limb	7%	2Q 2022
	CAIDI	316.35	All Other	12%	3Q 2022
	Customer Minutes	940,195			
	Customers Affected	2,972			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	May-21
	Repair damage caused by human error			Complete	May-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair damage caused by trees during a storm			Complete	Jul-21
Repair damage caused by unknown cause			Complete	Dec-21	
Repair damage caused by trees during a storm			Complete	Dec-21	
Repair damage caused by trees during a storm			Complete	Feb-22	
On cycle tree clearing			To be Completed	95%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
36	Dubois	00137-23	Dubois	2,588	89
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.57	Trees Off Row-Tree	35%	4Q 2021
	SAIDI	352.06	Line Failure	34%	1Q 2022
	SAIFI	2.74	Forced Outage	14%	2Q 2022
	CAIDI	128.28	All Other	16%	3Q 2022
	Customer Minutes	911,142			
	Customers Affected	7,103			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-21
	Repair damage caused by trees during a storm			Complete	Aug-21
	Install advanced Dx protective devices			Complete	Aug-21
	Repair damage caused by trees during a storm			Complete	May-22
	Repair line failure			Complete	Jun-22
Rank	Substation	Circuit	District	Customers	Outages
	East Pike	00095-13	Indiana	3,484	35
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.50	Line Failure	61%	4Q 2021
	SAIDI	249.51	Trees Off Row-Tree	11%	1Q 2022
	SAIFI	2.27	Equipment Failure	10%	2Q 2022
	CAIDI	109.98	All Other	18%	3Q 2022
	Customer Minutes	869,294			
	Customers Affected	7,904			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Aug-21
	Repair damage caused by trees during a storm			Complete	Aug-21
	Repair damage caused by lightning			Complete	Aug-21
	Repair line failure			Complete	Feb-22
	Repair equipment failure			Complete	Aug-22
	Install advanced Dx protective devices			To be Completed	0%
				37	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
38	Grandview	00354-51	Oil City	524	44
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.44	Trees Off Row-Tree	87%	2Q 2022
	SAIDI	1,589.53	Equipment Failure	6%	3Q 2022
	SAIFI	4.37	Trees Off Row-Limb	4%	
	CAIDI	363.40	All Other	3%	
	Customer Minutes	832,916			
	Customers Affected	2,292			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees(limb)			Complete	Aug-21
	Repair damage caused by trees(tree)			Complete	May-22
Rank	Substation	Circuit	District	Customers	Outages
39	Laceyville	00612-65	Montrose	176	7
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.43	Ice	82%	2Q 2022
	SAIDI	4,697.06	Trees Off Row-Tree	7%	3Q 2022
	SAIFI	2.26	Vehicle	6%	
	CAIDI	2,082.32	All Other	5%	
	Customer Minutes	826,683			
	Customers Affected	397			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Apr-22
Rank	Substation	Circuit	District	Customers	Outages
40	Tunkhannock	00695-65	Montrose	537	40
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.40	Trees Off Row-Tree	67%	3Q 2022
	SAIDI	1,515.52	Equipment Failure	14%	
	SAIFI	2.02	Unknown	6%	
	CAIDI	748.70	All Other	13%	
	Customer Minutes	813,833			
	Customers Affected	1,087			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-22
	Repair equipment failure			Complete	Apr-22
	Repair damage caused by trees during a storm			Complete	Jul-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
41	Brookville West	00121-23	Dubois	704	39
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.40	Equipment Failure	74%	4Q 2021
	SAIDI	1,150.22	Forced Outage	12%	1Q 2022
	SAIFI	3.89	Trees Off Row-Limb	9%	2Q 2022
	CAIDI	295.42	All Other	5%	3Q 2022
	Customer Minutes	809,753			
	Customers Affected	2,741			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair damage caused by trees			Complete	Oct-21
	Repair equipment failure			Complete	Dec-21
	Repair equipment failure			Complete	Feb-22
	On cycle tree clearing			Complete	Jun-22
Rank	Substation	Circuit	District	Customers	Outages
42	Brookville	00125-23	Dubois	615	61
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.37	Trees Off Row-Tree	30%	4Q 2021
	SAIDI	1,294.52	Equipment Failure	29%	1Q 2022
	SAIFI	4.29	Vehicle	19%	2Q 2022
	CAIDI	301.56	All Other	23%	3Q 2022
	Customer Minutes	796,128			
	Customers Affected	2,640			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jul-21
	Repair damage caused by trees			Complete	Dec-21
	Repair damage caused by wind			Complete	Mar-22
	Repair damage caused by vehicle accident			Complete	Jun-22
	Repair equipment failure			Complete	Jul-22

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
43	Union City	00206-43	Erie	2,840	116	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.37	Trees Off Row-Tree	47%	4Q 2021	
	SAIDI	279.25	Equipment Failure	24%	1Q 2022	
	SAIFI	2.64	Forced Outage	14%	2Q 2022	
	CAIDI	105.73	All Other	15%	3Q 2022	
	Customer Minutes	793,071				
	Customers Affected	7,501				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Restore fuse operation of unknown cause			Complete	May-21	
	Repair damage caused by trees during a storm			Complete	Jul-21	
	Install advanced Dx protective devices			Complete	Dec-21	
	Install new radio controlled switch			Complete	Jan-22	
	Repair equipment failure			Complete	Feb-22	
Repair damage caused by trees during a storm			Complete	May-22		
Rank	Substation	Circuit	District	Customers	Outages	
44	Dubois	00124-23	Dubois	2,044	32	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.32	Equipment Failure	56%	2Q 2022	
	SAIDI	374.86	Line Failure	25%	3Q 2022	
	SAIFI	2.26	Vehicle	12%		
	CAIDI	165.56	All Other	6%		
	Customer Minutes	766,216				
	Customers Affected	4,628				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair damage caused by a vehicle accident			Complete	Oct-21	
	Repair line failure			Complete	Jan-22	
	Repair equipment failure			Complete	May-22	
	Rank	Substation	Circuit	District	Customers	Outages
	45	Somerset	00031-12	Somerset	2,087	35
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.32	Unknown	50%	1Q 2022	
SAIDI		365.73	Line Failure	29%	2Q 2022	
SAIFI		2.52	Equipment Failure	17%	3Q 2022	
CAIDI		145.42	All Other	4%		
Customer Minutes		763,285				
Customers Affected		5,249				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Repair equipment failure			Complete	Nov-21		
Restore breaker operation of unknown cause			Complete	Jan-22		
Repair line failure			Complete	Jan-22		

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
46	Piney	00523-51	Oil City	1,499	68
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.29	Vehicle	25%	4Q 2021
	SAIDI	497.29	Equipment Failure	18%	1Q 2022
	SAIFI	3.09	Trees Off Row-Tree	18%	2Q 2022
	CAIDI	161.04	All Other	39%	3Q 2022
	Customer Minutes	745,433			
	Customers Affected	4,629			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by animal			Complete	Jul-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair equipment failure			Complete	Dec-21
	Repair damage caused by trees during a storm			Complete	Aug-22
	Repair damage caused by vehicle accident			Complete	Sep-22
Install new radio controlled switch			To be Completed	0%	
Targeted circuit rehab			Complete	Mar-22	
Rank	Substation	Circuit	District	Customers	Outages
47	Reeder Street	00041-11	Johnstown	724	5
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.29	Trees Off Row-Tree	90%	2Q 2022
	SAIDI	1,029.51	Unknown	10%	3Q 2022
	SAIFI	3.05	Forced Outage	0%	
	CAIDI	337.73	All Other	0%	
	Customer Minutes	745,366			
	Customers Affected	2,207			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Sep-21
	Restore breaker operation of unknown cause			Complete	Nov-21
Repair damage caused by trees			Complete	Jun-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
48	Canton	00608-63	Towanda	292	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.24	Trees Off Row-Tree	69%	1Q 2022
	SAIDI	2,467.46	Equipment Failure	18%	2Q 2022
	SAIFI	2.96	Forced Outage	6%	3Q 2022
	CAIDI	834.88	All Other	7%	
	Customer Minutes	720,499			
	Customers Affected	863			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jun-21
	Repair equipment failure			Complete	Feb-22
	Repair damage caused by trees during a storm			Complete	Mar-22
Rank	Substation	Circuit	District	Customers	Outages
49	Utica Junction	00331-51	Oil City	635	54
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.19	Trees Off Row-Tree	80%	3Q 2022
	SAIDI	1,082.57	Trees Off Row-Limb	11%	
	SAIFI	2.95	Unknown	3%	
	CAIDI	367.41	All Other	5%	
	Customer Minutes	687,433			
	Customers Affected	1,871			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	May-22
	Repair damage caused by trees during a storm			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
50	Spangler	00051-72	Altoona	1,117	15
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.17	Trees Off Row-Tree	71%	1Q 2022
	SAIDI	607.30	Line Failure	26%	2Q 2022
	SAIFI	2.98	Forced Outage	2%	3Q 2022
	CAIDI	203.89	All Other	2%	
	Customer Minutes	678,356			
	Customers Affected	3,327			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Feb-22
	Repair line failure			Complete	Mar-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
51	Falls	00297-65	Montrose	811	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.09	Trees Off Row-Tree	66%	4Q 2021
	SAIDI	778.07	Lightning	16%	1Q 2022
	SAIFI	2.94	Vehicle	10%	3Q 2022
	CAIDI	264.80	All Other	7%	
	Customer Minutes	631,017			
	Customers Affected	2,383			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair damage caused by lightning			Complete	Jul-22
	Repair damage caused by trees during a storm			Complete	Aug-22
	Install advanced Dx protective devices			To be Completed	0%
Rank	Substation	Circuit	District	Customers	Outages
52	East Pike	00094-13	Indiana	1,576	12
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.08	Line Failure	78%	1Q 2022
	SAIDI	397.73	Switching Error	22%	2Q 2022
	SAIFI	2.32	Equipment Failure	0%	3Q 2022
	CAIDI	171.31	All Other	0%	
	Customer Minutes	626,825			
	Customers Affected	3,659			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Dec-21
	Repair line failure			Complete	Mar-22
	Restore fuse operation of a switching error.			Complete	May-22
	Rank	Substation	Circuit	District	Customers
53	Avery	00792-65	Montrose	124	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.07	Trees Off Row-Tree	58%	2Q 2022
	SAIDI	5,013.77	Trees Off Row-Limb	41%	3Q 2022
	SAIFI	2.29	Unknown	0%	
	CAIDI	2,189.11	All Other	0%	
	Customer Minutes	621,708			
	Customers Affected	284			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by tree during a storm (sec/service)			Complete	Jul-21
	Repair damage caused by tree during a storm (limb)			Complete	Apr-22
	Repair damage caused by tree during a storm (Tree)			Complete	Apr-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
54	North Warren	00596-41	Warren	1,123	44
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.07	Trees Off Row-Tree	51%	1Q 2022
	SAIDI	551.68	Equipment Failure	36%	2Q 2022
	SAIFI	3.53	Unknown	4%	3Q 2022
	CAIDI	156.21	All Other	9%	
	Customer Minutes	619,537			
	Customers Affected	3,966			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	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
Rank	Substation	Circuit	District	Customers	Outages
55	Warren South	00219-41	Warren	321	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.06	Trees Off Row-Tree	87%	3Q 2022
	SAIDI	1,909.71	Equipment Failure	8%	
	SAIFI	4.36	Human Error - Company	2%	
	CAIDI	437.87	All Other	2%	
	Customer Minutes	613,016			
	Customers Affected	1,400			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jul-22
	Repair damage caused by trees during a storm			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
56	Tionesta Sw St	00498-51	Oil City	385	44
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.04	Trees Off Row-Tree	77%	3Q 2022
	SAIDI	1,565.75	Trees Off Row-Limb	11%	
	SAIFI	4.36	Unknown	4%	
	CAIDI	359.03	All Other	9%	
	Customer Minutes	602,815			
	Customers Affected	1,679			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jun-22
	Repair damage caused by trees during a storm (Limb)			Complete	Aug-22

Penelec					
Rank					
57	Lenox	00757-65	Montrose	106	15
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.03	Trees Off Row-Tree	53%	2Q 2022
	SAIDI	5,639.41	Ice	34%	3Q 2022
	SAIFI	5.70	Equipment Failure	10%	
	CAIDI	989.70	All Other	2%	
	Customer Minutes	597,777			
	Customers Affected	604			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees(tree)			Complete	Mar-22
	Repair damage caused by ice			Complete	Apr-22
	Repair damage caused by trees(tree)			Complete	Jun-22
	Rank	Substation	Circuit	District	Customers
58	Ppl West	PL097-62	Towanda	104	11
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.95	Trees Off Row-Tree	59%	4Q 2021
	SAIDI	5,278.77	Other Electric Utility	26%	1Q 2022
	SAIFI	6.62	Equipment Failure	13%	2Q 2022
	CAIDI	797.95	All Other	2%	3Q 2022
	Customer Minutes	548,992			
	Customers Affected	688			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restore supply caused from other electric utility			Complete	Jul-21
	Restore supply caused from other electric utility			Complete	Sep-21
	Repair damage caused by trees during a storm			Complete	Dec-21
	Repair damage caused by trees during a storm			Complete	Apr-22
Circuit inspection			Complete	Sep-22	
Rank	Substation	Circuit	District	Customers	Outages
59	Mansfield	00559-63	Mansfield Pa	243	17
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.92	Wind	43%	3Q 2022
	SAIDI	2,185.88	Line Failure	17%	
	SAIFI	7.69	Equipment Failure	16%	
	CAIDI	284.20	All Other	24%	
	Customer Minutes	531,170			
	Customers Affected	1,869			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by wind				Mar-22
	Repair equipment failure				Jul-22
Repair line failure				Sep-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
60	Snakespring	00634-73	Altoona	1,050	11
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.90	Equipment Failure	61%	3Q 2022
	SAIDI	498.55	Lightning	37%	
	SAIFI	2.91	Trees Off Row-Tree	1%	
	CAIDI	171.18	All Other	1%	
	Customer Minutes	523,480			
	Customers Affected	3,058			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Feb-22
	Repair damage caused by lightning				Jul-22
	Repair equipment failure				Sep-22
Rank	Substation	Circuit	District	Customers	Outages
61	Warren South	00255-41	Warren	514	44
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.85	Trees Off Row-Tree	48%	3Q 2022
	SAIDI	958.33	Equipment Failure	28%	
	SAIFI	4.95	Line Failure	16%	
	CAIDI	193.62	All Other	8%	
	Customer Minutes	492,581			
	Customers Affected	2,544			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure				May-22
	Repair damage caused by trees during a storm				Jul-22
	Repair line failure				Aug-22
Rank	Substation	Circuit	District	Customers	Outages
62	Franklin Forks	00737-65	Montrose	154	21
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.83	Line Failure	76%	3Q 2022
	SAIDI	3,127.94	Equipment Failure	9%	
	SAIFI	2.28	Trees Off Row-Tree	9%	
	CAIDI	1,372.37	All Other	6%	
	Customer Minutes	481,703			
	Customers Affected	351			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure				Apr-22
	Repair equipment failure				Apr-22

<b>Penelec</b>					
<b>Unranked circuits appearing 2 or more quarters in the last 4 quarters</b>					
<b>Substation</b>	<b>Circuit</b>	<b>4Q 2021</b>	<b>1Q 2022</b>	<b>2Q 2022</b>	<b>3Q 2022</b>
Blairsville East	00080-13	X	X		
Claysburg	00044-71	X	X		
Crown	00519-51	X	X		
East Hickory	00200-41	X	X		
East Pike	00096-13		X	X	
Erie South	00259-31	X	X	X	
Fallen Timbers	00995-22	X	X		
French Road	00219-31	X	X	X	
French Road	00550-31	X	X		
Glen Campbell	00680-21	X	X	X	
Glory	00106-13		X	X	
Logan	00700-81	X	X	X	
Madera	00166-22	X	X	X	
Madera	00167-22		X	X	
Page Road	00445-43		X	X	
Samuel Rea Car Shop	00031-71	X	X		
Saxton	00625-73	X	X	X	
Seward	00075-11	X	X		
Springboro	00237-52	X	X	X	
Thompson	00446-65	X	X	X	
Titusville	00387-51	X	X		
Titusville	00514-51	X	X		
Tower 51	00051-11	X	X		
Wellsboro	00324-63	X	X		

<b>Penelec</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work Completed</b>	<b>Progress of Remedial Work or Date Completed</b>
Samuel Rea Car Shop	00031-71	On cycle tree clearing	Complete	7/19/2022
Greenwood	00041-71	On cycle tree clearing	99%	
Erie South	00259-31	On cycle tree clearing	84%	
Tower 51	00051-11	On cycle tree clearing	Complete	Jun-22
Philipsburg	00162-22	On cycle tree clearing	74%	
Somerset	00013-12	On cycle tree clearing	99%	
Fallen Timber	00995-22	Circuit Inspection	Complete	Aug-22
Titusville Sub	00514-51	Circuit Inspection	Complete	Jun-22
Blairsville East Sub	00080-13	Circuit Inspection	Complete	Jun-22
Nmeshoppen Sub	00530-65	Circuit Inspection	Complete	Aug-22
Portage Sub	00635-72	Circuit Inspection	Complete	Jun-22
East Pike	00096-13	Targeted Circuit Rehab	Complete	May-22
East Sayre	00518-61	Targeted Circuit Rehab	Complete	Aug-22
Fairview Altoona	00005-71	Targeted Circuit Rehab		
Fairview East	00216-34	Targeted Circuit Rehab		
Samuel Rea Car Shop	00031-71	Install advanced Dx protective devices		
French Road	00550-31	Install advanced Dx protective devices		
Tionesta	00344-51	Install advanced Dx protective devices		
Somerset	00013-12	Install advanced Dx protective devices		
Millcreek	00055-11	Install advanced Dx protective devices	Complete	Jun-22

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
1	Mcknight	W748	Zelienople	1,265	14	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.88	Vehicle	86%	4Q 2021	
	SAIDI	513.40	Line Failure	10%	1Q 2022	
	SAIFI	1.64	Trees Off Row-Limb	1%	2Q 2022	
	CAIDI	407	All Other	2%	3Q 2022	
	Customer Minutes	649,452				
	Customers Affected	2,079				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle				Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages	
2	Stoneboro	W-131	Clark	1,489	101	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.68	Trees Off Row-Tree	77%	1Q 2022	
	SAIDI	413.09	Line Failure	12%	2Q 2022	
	SAIFI	1.79	Lightning	3%	3Q 2022	
	CAIDI	293	All Other	8%		
	Customer Minutes	615,091				
	Customers Affected	2,665				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Dec-21
	Repair damage caused by trees during a storm				Complete	Dec-21
Repair damage caused by trees during a storm				Complete	Feb-22	
Repair damage caused by trees off ROW				Complete	Jul-22	
Rank	Substation	Circuit	District	Customers	Outages	
3	Union	W-561	New Castle	1,360	28	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.26	Trees Off Row-Tree	72%	4Q 2021	
	SAIDI	401.28	Unknown	17%	1Q 2022	
	SAIFI	3.12	Lightning	5%	2Q 2022	
	CAIDI	195	All Other	6%	3Q 2022	
	Customer Minutes	545,744				
	Customers Affected	4,247				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by tree				Complete	Dec-21
	Restore breaker operation of unknown cause during storm				Complete	Feb-22
Repair damage caused by tree				Complete	Jul-22	

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
4	Richard	W742	Zelienople	1,548	23	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.18	Trees Off Row-Tree	73%	4Q 2021	
	SAIDI	343.86	Animal	17%	1Q 2022	
	SAIFI	2.47	Line Failure	4%	2Q 2022	
	CAIDI	319	All Other	7%	3Q 2022	
	Customer Minutes	532,300				
	Customers Affected	3,819				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by tree				Complete	Mar-21
	Repair damage caused by trees				Complete	Jun-22
	<b>Rank</b>					
Rank	Substation	Circuit	District	Customers	Outages	
5	Jamestown	W-162	Clark	884	35	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.76	Trees Off Row-Tree	63%	4Q 2021	
	SAIDI	522.97	Trees Off Row-Limb	13%	1Q 2022	
	SAIFI	3.81	Bird	12%	2Q 2022	
	CAIDI	108	All Other	12%	3Q 2022	
	Customer Minutes	462,307				
	Customers Affected	3,365				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair Damage Due To Tree Off Row				Complete	May-22

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
6	Ray Street	D-389	New Castle	1,212	7	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.59	Vehicle	53%	1Q 2022	
	SAIDI	357.07	Line Failure	45%	2Q 2022	
	SAIFI	2.08	Lightning	1%	3Q 2022	
	CAIDI	147	All Other	0%		
	Customer Minutes	432,771				
	Customers Affected	2,525				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Jul-21
	Repair damage caused by a vehicle				Complete	Mar-22
	Line failure				Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages	
7	Hartstown	W-126	Clark	2,400	94	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.51	Trees Off Row-Limb	48%	4Q 2021	
	SAIDI	175.24	Trees Off Row-Tree	19%	1Q 2022	
	SAIFI	1.15	Animal	10%	2Q 2022	
	CAIDI	239	All Other	24%	3Q 2022	
	Customer Minutes	420,575				
	Customers Affected	2,766				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair Damage Due To Tree Off Row				Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages	
8	Hadley	W-195	Clark	895	41	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.12	Trees Off Row-Tree	83%	4Q 2021	
	SAIDI	396.34	Trees Off Row-Limb	6%	1Q 2022	
	SAIFI	0.96	Unknown	5%	2Q 2022	
	CAIDI	135	All Other	6%	3Q 2022	
	Customer Minutes	354,726				
	Customers Affected	856				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair Damage Due To Tree Off Row				Complete	Feb-22

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
9	Harlan	D-344	New Castle	1,057	34	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.89	Trees Off Row-Tree	67%	2Q 2022	
	SAIDI	299.10	Vehicle	23%	3Q 2022	
	SAIFI	1.25	Line Failure	5%		
	CAIDI	387	All Other	5%		
	Customer Minutes	316,151				
	Customers Affected	1,326				
	Remedial Action Planned or Taken				Status	Progress
	Repair Damage Due To Tree Off Row				Complete	Jun-22
Rank	Substation	Circuit	District	Customers	Outages	
10	Mercer	W-167	Clark	854	32	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.66	Line Failure	44%	4Q 2021	
	SAIDI	324.61	Trees Off Row-Limb	26%	1Q 2022	
	SAIFI	1.44	Equipment Failure	16%	2Q 2022	
	CAIDI	140	All Other	13%	3Q 2022	
	Customer Minutes	277,217				
	Customers Affected	1,233				
	Remedial Action Planned or Taken				Status	Progress
	Repair Damage Due To Tree Off Row				Complete	Feb-22

Penn Power					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2021	1Q 2022	2Q 2022	3Q 2022
Castlewood	D-326	X	X	X	
Ingomar	D620	X	X	X	
McDowell	W-121	X	X	X	
Seneca	W700	X	X	X	
Warrendale	D625	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	Dutch Fork	Claysville	Washington Pa	1,638	98
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.57	Trees Off Row-Tree	64%	Q1 2022
	SAIDI	2,462.67	Unknown	14%	Q2 2022
	SAIFI	2.47	Ice	12%	Q3 2022
	CAIDI	995	All Other	10%	
	Customer Minutes	4,033,848			
	Customers Affected	4,054			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by ice during a storm			Complete	Feb-22
	Forced outage to repair damage during a storm			Complete	Apr-22
	Restore unknown outage during a storm			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
2	Hickory	Hickory	Washington Pa	952	56
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.50	Unknown	42%	Q1 2022
	SAIDI	4,186.20	Ice	37%	Q2 2022
	SAIFI	2.31	Equipment Failure	9%	Q3 2022
	CAIDI	1,815	All Other	12%	
	Customer Minutes	3,985,259			
	Customers Affected	2,196			
	Remedial Action Planned or Taken		Status	Progress	
	Restore unknown outage during a storm			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	May-22
	Restore unknown outage			Complete	Aug-22
	Rank	Substation	Circuit	District	Customers
3	Smith	Francis Mine	Washington Pa	1,434	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.49	Trees Off Row-Tree	94%	Q4 2021
	SAIDI	2,775.59	Trees Off Row-Limb	2%	Q1 2022
	SAIFI	2.79	Unknown	1%	Q2 2022
	CAIDI	995	All Other	2%	Q3 2022
	Customer Minutes	3,980,197			
	Customers Affected	3,999			
	Remedial Action Planned or Taken		Status	Progress	
	Repair line failure			Complete	Nov-21
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Overhead Circuit Inspection (61645399)			Complete	Mar-22
	Restore unknown outage			Complete	Jun-22
Repair damage caused by a tree during a storm			Complete	Jul-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
4	Dutch Fork	W Alexander	Washington Pa	1,175	82
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	5.39	Ice	50%	Q1 2022
	SAIDI	3,323.82	Trees Off Row-Tree	37%	Q2 2022
	SAIFI	2.92	Unknown	11%	Q3 2022
	CAIDI	1,137	All Other	2%	
	Customer Minutes	3,905,488			
	Customers Affected	3,435			
	<b>Remedial Action Planned or Taken</b>		<b>Status</b>	<b>Progress</b>	
	Repair damage caused by a tree			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	Jun-22
	Overhead Circuit Inspection (61645398)			Complete	Jul-22
	Repair damage caused by a tree during a storm			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
5	Lagonda	Lagonda	Washington Pa	1,599	75
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	4.94	Trees Off Row-Tree	52%	Q2 2022
	SAIDI	2,239.32	Ice	41%	Q3 2022
	SAIFI	3.07	Trees On Row	3%	
	CAIDI	729	All Other	4%	
	Customer Minutes	3,580,665			
	Customers Affected	4,912			
	<b>Remedial Action Planned or Taken</b>		<b>Status</b>	<b>Progress</b>	
	Repair damage caused by a tree during a storm			Complete	Jun-22
	Repair damage caused by a tree			Complete	Sep-22
Rank	Substation	Circuit	District	Customers	Outages
6	Avella	W Middletown	Washington Pa	1,157	90
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	4.43	Trees Off Row-Tree	57%	Q4 2021
	SAIDI	2,775.19	Ice	26%	Q1 2022
	SAIFI	2.08	Line Failure	3%	Q2 2022
	CAIDI	1,333	All Other	14%	Q3 2022
	Customer Minutes	3,210,891			
	Customers Affected	2,408			
	<b>Remedial Action Planned or Taken</b>		<b>Status</b>	<b>Progress</b>	
	Repair damage caused by wind during a storm			Complete	Oct-21
	Repair damage caused by ice during a storm			Complete	Feb-22
Repair damage caused by a tree during a storm			Complete	May-22	
Repair damage caused by a tree during a storm			Complete	Jul-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
7	Paris	Paris	Washington Pa	759	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.13	Ice	64%	Q1 2022
	SAIDI	3,944.39	Trees Off Row-Tree	32%	Q2 2022
	SAIFI	1.65	Unknown	3%	Q3 2022
	CAIDI	2,384	All Other	1%	
	Customer Minutes	2,993,792			
	Customers Affected	1,256			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by ice during a storm			Complete	Feb-22
	Repair damage caused by a tree			Complete	Apr-22
	Repair damage caused by a tree during a storm			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
8	Houston	McGovern	Washington Pa	2,095	61
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.98	Trees Off Row-Tree	66%	Q2 2022
	SAIDI	1,376.26	Ice	16%	Q3 2022
	SAIFI	2.62	Unknown	5%	
	CAIDI	524	All Other	13%	
	Customer Minutes	2,883,259			
	Customers Affected	5,498			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Apr-22
	Repair damage caused by a tree during a storm			Complete	Jul-22

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
9	Donegal	Bear Rocks	Pleasant Valley	1,278	57
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.59	Trees Off Row-Tree	92%	Q1 2022
	SAIDI	2,037.83	Trees On Row	4%	Q2 2022
	SAIFI	2.65	Line Failure	1%	Q3 2022
	CAIDI	770	All Other	3%	
	Customer Minutes	2,604,344			
	Customers Affected	3,384			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Repair damage caused by a tree			Complete	Apr-22
	Zone 1 Infrared Inspection			Complete	Jun-22
	Repair damage caused by a tree			Complete	Sep-22
	Rank	Substation	Circuit	District	Customers
10	Rutan	Bristoria	Jefferson	1,118	88
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.22	Trees Off Row-Tree	75%	Q4 2021
	SAIDI	2,088.24	Unknown	8%	Q1 2022
	SAIFI	3.26	Line Failure	5%	Q2 2022
	CAIDI	641	All Other	12%	Q3 2022
	Customer Minutes	2,334,652			
	Customers Affected	3,644			
	Remedial Action Planned or Taken		Status	Progress	
	Restore unknown outage			Complete	Dec-21
	Repair damage caused by a tree			Complete	Jan-22
	Repair damage caused by a tree			Complete	Apr-22
	Zone 1 Infrared Inspection			Complete	Jun-22
	Repair damage caused by a tree			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
11	Houston	Weavertown	Washington Pa	2,275	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.89	Unknown	35%	Q2 2022
	SAIDI	920.14	Trees Off Row-Tree	35%	Q3 2022
	SAIFI	2.38	Trees Off Row-Limb	19%	
	CAIDI	387	All Other	11%	
	Customer Minutes	2,093,313			
	Customers Affected	5,406			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	May-22
Repair damage caused by a tree			Complete	Jul-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
12	Cecil	Bishop	Boyce	1,950	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.88	Trees On Row	52%	Q1 2022
	SAIDI	1,069.39	Trees Off Row-Tree	26%	Q2 2022
	SAIFI	3.25	Equipment Failure	12%	Q3 2022
	CAIDI	329	All Other	10%	
	Customer Minutes	2,085,320			
	Customers Affected	6,341			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	May-22
	Repair damage caused by a tree during a storm			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
13	Hickory	Fort Cherry	Washington Pa	1,044	60
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.46	Trees Off Row-Tree	59%	Q1 2022
	SAIDI	1,710.62	Unknown	22%	Q2 2022
	SAIFI	4.21	Equipment Failure	11%	Q3 2022
	CAIDI	407	All Other	8%	
	Customer Minutes	1,785,884			
	Customers Affected	4,391			
	Remedial Action Planned or Taken		Status	Progress	
	Repair equipment failure			Complete	Feb-22
	Repair damage caused by a tree			Complete	May-22
	Restore unknown outage during a storm			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
14	North Fayette	Tyre	Boyce	1,821	59
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.43	Ice	26%	Q1 2022
	SAIDI	966.91	Unknown	19%	Q2 2022
	SAIFI	2.59	Trees Off Row-Tree	16%	Q3 2022
	CAIDI	374	All Other	38%	
	Customer Minutes	1,760,738			
	Customers Affected	4,708			
	Remedial Action Planned or Taken		Status	Progress	
	Restore unknown outage			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	May-22
	Repair damage caused by a tree			Complete	Sep-22

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
15	Cecil	Muse	Boyce	1,472	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.31	Trees Off Row-Tree	92%	Q3 2022
	SAIDI	1,137.90	Trees Off Row-Limb	5%	
	SAIFI	1.63	Line Failure	2%	
	CAIDI	696	All Other	1%	
	Customer Minutes	1,674,982			
	Customers Affected	2,406			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
16	White Valley	Congruity	Jeannette	1,732	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.30	Trees Off Row-Tree	69%	Q2 2022
	SAIDI	961.25	Unknown	11%	Q3 2022
	SAIFI	2.47	Trees On Row	8%	
	CAIDI	390	All Other	11%	
	Customer Minutes	1,664,885			
	Customers Affected	4,270			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	May-22
	Repair line failure during a storm			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
17	Houston	Pristine	Washington Pa	1,083	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.12	Trees Off Row-Tree	44%	Q1 2022
	SAIDI	1,418.42	Ice	25%	Q3 2022
	SAIFI	1.77	Line Failure	14%	
	CAIDI	802	All Other	17%	
	Customer Minutes	1,536,148			
	Customers Affected	1,915			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by ice during a storm			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	Jul-22
Overhead Circuit Inspection (61646199)			To be completed 2022	Jan-00	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
18	Fawn	Bull Creek	Arnold	858	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.06	Trees Off Row-Tree	98%	Q2 2022
	SAIDI	1,740.47	Trees On Row	2%	Q3 2022
	SAIFI	3.76	Unknown	0%	
	CAIDI	463	All Other	0%	
	Customer Minutes	1,493,320			
	Customers Affected	3,226			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	Jun-22
	Repair damage caused by a tree during a storm			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
19	Peters	Mcmurray	Boyce	1,342	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.85	Trees Off Row-Tree	38%	Q3 2022
	SAIDI	1,000.35	Wind	32%	
	SAIFI	3.39	Line Failure	9%	
	CAIDI	295	All Other	21%	
	Customer Minutes	1,342,470			
	Customers Affected	4,548			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Sep-22
Rank	Substation	Circuit	District	Customers	Outages
20	St. Clair	Fort Couch	Boyce	1,157	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.83	Trees Off Row-Tree	84%	Q4 2021
	SAIDI	1,146.60	Trees On Row	12%	Q3 2022
	SAIFI	2.24	Line Failure	2%	
	CAIDI	512	All Other	2%	
	Customer Minutes	1,326,618			
	Customers Affected	2,589			
	Remedial Action Planned or Taken		Status	Progress	
	Repair line failure			Complete	Nov-21
Repair damage caused by a tree during a storm			Complete	Aug-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
21	Shaffers Corner	Braeburn	Arnold	1,375	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.77	Trees Off Row-Tree	91%	Q3 2022
	SAIDI	934.83	Line Failure	7%	
	SAIFI	2.40	Unknown	1%	
	CAIDI	390	All Other	1%	
	Customer Minutes	1,285,394			
	Customers Affected	3,300			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
22	Robbins	Balkan	Jeannette	1,716	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.59	Trees Off Row-Tree	88%	Q4 2021
	SAIDI	669.66	Forced Outage	5%	Q1 2022
	SAIFI	2.02	Line Failure	4%	Q2 2022
	CAIDI	332	All Other	4%	Q3 2022
	Customer Minutes	1,149,144			
	Customers Affected	3,464			
	Remedial Action Planned or Taken		Status	Progress	
	Repair line failure			Complete	Nov-21
	Repair line failure			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	May-22
Forced outage to repair damage during a storm			Complete	Jul-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
23	Galley	Waterdam	Washington Pa	1,567	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.54	Trees Off Row-Tree	48%	Q2 2022
	SAIDI	711.39	Wind	17%	Q3 2022
	SAIFI	2.90	Trees On Row	17%	
	CAIDI	246	All Other	18%	
	Customer Minutes	1,114,751			
	Customers Affected	4,540			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	May-22
	Repair damage caused by a tree			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
24	Saltsburg	Bell Township	Arnold	753	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.53	Trees Off Row-Tree	92%	Q1 2022
	SAIDI	1,470.33	Unknown	3%	Q2 2022
	SAIFI	3.48	Vehicle	3%	Q3 2022
	CAIDI	423	All Other	2%	
	Customer Minutes	1,107,157			
	Customers Affected	2,619			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Mar-22
	Repair damage caused by a tree			Complete	May-22
	Repair damage caused by a tree during a storm			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
25	Franklin (Wpp)	Rogersville	Jefferson	831	67
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.51	Trees Off Row-Tree	82%	Q4 2021
	SAIDI	1,319.11	Trees Off Row-Limb	7%	Q1 2022
	SAIFI	1.77	Line Failure	4%	Q2 2022
	CAIDI	745	All Other	7%	Q3 2022
	Customer Minutes	1,096,180			
	Customers Affected	1,471			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Nov-21
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	Jun-22
Repair line failure			Complete	Sep-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
26	Linden-Wash	Wylandville	Washington Pa	1,077	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.46	Trees Off Row-Tree	59%	Q2 2022
	SAIDI	984.18	Forced Outage	15%	Q3 2022
	SAIFI	4.01	Line Failure	11%	
	CAIDI	245	All Other	15%	
	Customer Minutes	1,059,957			
	Customers Affected	4,320			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	May-22
	Repair damage caused by a tree during a storm			Complete	Jul-22
	Zone 1 Infrared Inspection			Complete	Jul-22
	Rank	Substation	Circuit	District	Customers
27	Hilliards	Hilliards	Butler	894	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.44	Trees Off Row-Tree	64%	Q3 2022
	SAIDI	1,165.24	Animal	22%	
	SAIFI	4.68	Unknown	6%	
	CAIDI	249	All Other	8%	
	Customer Minutes	1,041,729			
	Customers Affected	4,183			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by an animal			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
28	Graysville	Graysville	Jefferson	558	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.40	Trees Off Row-Tree	68%	Q4 2021
	SAIDI	1,820.55	Line Failure	10%	Q1 2022
	SAIFI	2.34	Wind	10%	Q2 2022
	CAIDI	777	All Other	13%	Q3 2022
	Customer Minutes	1,015,866			
	Customers Affected	1,308			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by an animal			Complete	Dec-21
	Repair damage caused by wind during a storm			Complete	Mar-22
	Repair line failure during a storm			Complete	May-22
	Repair damage caused by a tree			Complete	Aug-22
Overhead Circuit Inspection (61645926)			To be completed 2022	60%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
29	Mateer	South Bend	Arnold	1,169	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.39	Equipment Failure	55%	Q3 2022
	SAIDI	859.13	Unknown	21%	
	SAIFI	3.17	Trees Off Row-Tree	11%	
	CAIDI	271	All Other	13%	
	Customer Minutes	1,004,328			
	Customers Affected	3,703			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Jul-22
Rank	Substation	Circuit	District	Customers	Outages
30	Thomas	Thomas	Boyce	1,352	50
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.37	Trees Off Row-Tree	85%	Q4 2021
	SAIDI	732.07	Trees On Row	9%	Q1 2022
	SAIFI	1.99	Animal	2%	Q2 2022
	CAIDI	368	All Other	4%	Q3 2022
	Customer Minutes	989,754			
	Customers Affected	2,690			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	Dec-21
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Repair damage caused by a tree during a storm			Complete	May-22
	Repair damage caused by a tree			Complete	Aug-22
	Overhead Circuit Inspection (61645387)			Complete	Sep-22
Rank	Substation	Circuit	District	Customers	Outages
31	Robbins	Mt. Vernon	Jeannette	1,035	18
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.26	Equipment Failure	44%	Q2 2022
	SAIDI	883.87	Trees Off Row-Tree	38%	Q3 2022
	SAIFI	2.51	Trees Off Row-Limb	15%	
	CAIDI	352	All Other	4%	
	Customer Minutes	914,809			
	Customers Affected	2,596			
	Remedial Action Planned or Taken		Status	Progress	
	Repair equipment failure during a storm			Complete	May-22
	Repair equipment failure			Complete	Jul-22
Overhead Circuit Inspection (61646205)			Complete	Aug-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
32	Bethel Park	Clifton	Boyce	980	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.25	Trees Off Row-Tree	90%	Q3 2022
	SAIDI	928.21	Trees Off Row-Limb	7%	
	SAIFI	2.27	Line Failure	2%	
	CAIDI	409	All Other	1%	
	Customer Minutes	909,643			
	Customers Affected	2,224			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Sep-22
Rank	Substation	Circuit	District	Customers	Outages
33	Whitney	Youngstown	Latrobe	1,232	47
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.24	Trees Off Row-Tree	62%	Q3 2022
	SAIDI	730.35	Animal	15%	
	SAIFI	3.40	Trees Off Row-Limb	9%	
	CAIDI	215	All Other	14%	
	Customer Minutes	899,791			
	Customers Affected	4,183			
	Remedial Action Planned or Taken		Status	Progress	
	Overhead Circuit Inspection (61645994)			Complete	Aug-22
	Repair damage caused by a tree			Complete	Sep-22
Rank	Substation	Circuit	District	Customers	Outages
34	California	Malden	Charleroi	1,100	32
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.24	Trees Off Row-Tree	71%	Q3 2022
	SAIDI	816.41	Line Failure	22%	
	SAIFI	3.29	Unknown	2%	
	CAIDI	248	All Other	5%	
	Customer Minutes	898,056			
	Customers Affected	3,617			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Sep-22

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
35	Piney Fork	Stoltz	Charleroi	2,295	32
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.23	Trees On Row	35%	Q3 2022
	SAIDI	387.81	Trees Off Row-Tree	25%	
	SAIFI	4.03	Forced Outage	15%	
	CAIDI	96	All Other	25%	
	Customer Minutes	890,020			
	Customers Affected	9,258			
	<b>Remedial Action Planned or Taken</b>		<b>Status</b>	<b>Progress</b>	
	Forced outage to repair damage			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
36	Shaffers Corner	Seventh St Rd	Arnold	2,062	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.20	Trees Off Row-Tree	71%	Q3 2022
	SAIDI	422.87	Human Error - Company	15%	
	SAIFI	2.90	Vehicle	10%	
	CAIDI	146	All Other	4%	
	Customer Minutes	871,963			
	Customers Affected	5,976			
	<b>Remedial Action Planned or Taken</b>		<b>Status</b>	<b>Progress</b>	
	Repair damage caused by a tree			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
37	Rutan	Windridge	Jefferson	588	37
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.19	Trees Off Row-Tree	91%	Q3 2022
	SAIDI	1,463.21	Line Failure	5%	
	SAIFI	2.20	Unknown	3%	
	CAIDI	666	All Other	1%	
	Customer Minutes	860,369			
	Customers Affected	1,291			
	<b>Remedial Action Planned or Taken</b>		<b>Status</b>	<b>Progress</b>	
	Repair damage caused by a tree			Complete	Aug-22
Overhead Circuit Inspection (61645943)			To be completed 2022	Jan-00	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
38	Stahlstown	Mansville	Latrobe	491	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.18	Trees Off Row-Tree	78%	Q3 2022
	SAIDI	1,737.16	Line Failure	7%	
	SAIFI	3.94	Vehicle	6%	
	CAIDI	441	All Other	9%	
	Customer Minutes	852,946			
	Customers Affected	1,933			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree during a storm			Complete	Jun-22
Rank	Substation	Circuit	District	Customers	Outages
39	Waterville	Waterville	State College	357	21
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.16	Other Electric Utility	69%	Q4 2021
	SAIDI	2,345.72	Trees Off Row-Tree	24%	Q1 2022
	SAIFI	4.50	Ug Dig-Up	5%	Q2 2022
	CAIDI	521	All Other	3%	Q3 2022
	Customer Minutes	837,423			
	Customers Affected	1,607			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by a tree			Complete	Dec-21
	Overhead Circuit Inspection (61646083)			Complete	Mar-22
	Restore outage caused by other electric utility during a storm			Complete	Mar-22
	Restore outage caused by other electric utility during a storm			Complete	Jun-22
	Repair damage caused by UG Dig-up			Complete	Aug-22
Rank	Substation	Circuit	District	Customers	Outages
40	Luxor	Rolling Acres	Latrobe	922	66
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.16	Trees Off Row-Tree	50%	Q3 2022
	SAIDI	908.23	Unknown	24%	
	SAIFI	5.94	Wind	10%	
	CAIDI	153	All Other	15%	
	Customer Minutes	837,384			
	Customers Affected	5,479			
	Remedial Action Planned or Taken		Status	Progress	
	Repair damage caused by tree			Complete	Jun-22
	Repair damage caused by tree			Complete	Jul-22

<b>West Penn</b>					
<b>Unranked circuits appearing 2 or more quarters in the last 4 quarters</b>					
<b>Substation</b>	<b>Circuit</b>	<b>4Q 2021</b>	<b>1Q 2022</b>	<b>2Q 2022</b>	<b>3Q 2022</b>
Amity	Banetown	X	X	X	
Avella	Penowa	X	X	X	
Bethel Park	Dashwood	X	X		
Cecil	Murray Hill	X	X	X	
Cooperstown	Twin Willows	X	X		
Crossgates	Peters Twp	X	X	X	
Enlow	Summit	X	X		
Flintstone	Chaneysville	X	X	X	
Gordon	Wolfdale	X	X	X	
Karns City	Kaylor	X	X	X	
Mateer	Dime Rd	X		X	
Midway	Midway		X	X	
New Kensington	Power	X	X		
North Union	Phillips	X	X		
Peters	Library		X	X	
Piney Fork	Gillhall	X	X	X	
Port Matilda	Port Matilda	X	X		
Saltsburg	Saltsburg	X	X		
Smith	Florence		X	X	
Treveskyn	Treveskyn	X	X	X	
Vandergrift	Grifflo Park	X	X		
Vestaburg	Fredericktown		X	X	

<b>West Penn</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned</b>	<b>Status of Remedial Work</b>	<b>Progress of Remedial Work</b>
Charleroi	N. Charleroi	Overhead circuit inspection	Complete	08/01/22
Smith	Florence	Overhead circuit inspection	In Progress	01/00/00
Peters	Library	Zone 1 Infrared Inspection	Complete	Jul-22
Treveskyn	Treveskyn	Overhead circuit inspection	Complete	Aug-22
Gordon	Wolfdale	Overhead circuit inspection	Complete	08/02/22

*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.*

<b>Met-Ed –Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2022 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	15	3,533	0
Excavated in Tolerance	21	46,641	0
Excavation Inconsistent with Ticket Scope	5	7,529	855
Excavation Prior to Lawful Start Date	3	2,306	0
Expired Ticket	3	3,564	0
Hand Digging	0	0	0
Marked Improperly	17	92,113	0
No Ticket	26	56,585	0
<b>Total</b>	<b>90</b>	<b>212,271</b>	<b>855</b>

<b>Penelec – Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2022 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	40	14,430	0
Excavated in Tolerance	28	37,913	6,103
Excavation Inconsistent with Ticket Scope	1	1,141	508
Excavation Prior to Lawful Start Date	4	0	0
Expired Ticket	3	15,583	0
Hand Digging	0	0	0
Marked Improperly	25	107,265	0
No Ticket	30	41,881	8,939
<b>Total</b>	<b>131</b>	<b>218,213</b>	<b>15,550</b>

<b>Penn Power – Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2022 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	11	4,369	0
Excavated in Tolerance	9	5,366	154
Excavation Inconsistent with Ticket Scope	5	3,569	0
Excavation Prior to Lawful Start Date	1	0	0
Expired Ticket	1	0	0
Hand Digging	0	0	0
Marked Improperly	3	14,220	0
No Ticket	5	6,727	0
<b>Total</b>	<b>35</b>	<b>34,251</b>	<b>154</b>

<b>West Penn – Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2022 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	49	34,345	0
Excavated in Tolerance	20	29,284	2,783
Excavation Inconsistent with Ticket Scope	3	5,641	0
Excavation Prior to Lawful Start Date	1	263	0
Expired Ticket	2	1,157	0
Hand Digging	2	0	0
Marked Improperly	27	104,859	5,533
No Ticket	30	44,995	10,945
<b>Total</b>	<b>134</b>	<b>220,544</b>	<b>19,261</b>

<b>Cause of Line Hit</b>	<b>Definition</b>
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

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Joint 3<sup>rd</sup> Quarter 2022 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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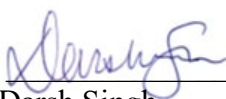
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Dated: November 1, 2022



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