

Tori L. Giesler, Esq.
(610) 921-6658
(330) 315-9263 (Fax)

April 29, 2022

VIA E-FILING

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

Re: Joint 1st 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”) is the Joint 1st 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,



Tori L. Giesler

Enclosures

- c: As Per Certificate of Service
D. Searfoorce - Bureau of Technical Utility Services (via electronic mail)
J. Van Zant – Bureau of Technical Utility Services (via electronic mail)
Harry Bidelspach – Bureau of Technical Utility Services (via electronic mail)



Joint 2022 1st 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 1st 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.¹

Major Event(s)

None of the Companies experienced a major event during the reporting period ending March 31, 2022.

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

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

1Q 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	1.51	1.26	1.52	1.90	1.12	1.34	1.11	1.05	1.26	1.37
CAIDI	117	140	190	117	141	145	101	121	135	170	204	251
SAIDI	135	194	288	148	213	275	113	162	149	179	257	344
MAIFI²			0.743			0.739			0.692			
Customers Served³	573,857			579,810			167,124			722,842		
Number of Sustained Interruptions	14,132			14,794			3,465			14,060		
Customers Affected	867,860			1,102,426			184,828			988,381		
Customer Minutes	165,262,117			159,411,501			24,868,771			248,370,745		
Number of Customer Momentary Interruptions	426,144			428,600			115,624					

² MAIFI values are not available for West Penn.

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

Unique Events Occurring in 1Q 2022:

Met-Ed

- Beginning Sunday afternoon January 16, 2022, a winter storm moved through Pennsylvania, including the Met-Ed service territory. The system produced windy conditions and an estimated six inches of heavy wet snow. The reliability impact of the storm was 9.9 minutes of System Average Interruption Duration Index (“SAIDI”), 0.026 of System Average Interruption Frequency Index (“SAIFI”), and an overall storm Customer Average Interruption Duration Index (“CAIDI”) of 378.7 minutes.
- Beginning Thursday, February 17, 2022, a winter storm producing rain, snow, and high winds, moved west to east across the FirstEnergy service territory. The storm began affecting the Met-Ed territory late Thursday evening, producing rain and wind gusts in excess of 37 miles per hour. Rain and wind gusts of approximately 45 miles per hour continued to affect the Met-Ed service territory on Friday, February 18, 2022, and on Saturday, February 19, 2022, wind gusts reached approximately 48 miles per hour. The reliability impact of the storm was approximately 26.6 minutes of SAIDI, 317.1 minutes of CAIDI, and 0.084 minutes of SAIFI impact.
- Beginning Monday, March 7, 2022, a cold front producing high winds and rain moved west to east across the FirstEnergy service territory. The storm began affecting the Met-Ed territory late Monday evening, producing heavy rain and wind gusts in excess of 45 miles per hour. Wind gusts of approximately 33 miles per hour continued to affect the Met-Ed service territory on Tuesday, March 8, 2022. The reliability impact of the storm was approximately 9.4 minutes of SAIDI, 398.5 minutes of CAIDI, and 0.02 minutes of SAIFI impact.
- Beginning Friday, March 11, 2022, a winter storm producing rain, snow, and high winds, moved west to east across the FirstEnergy service territory. The storm began affecting the Met-Ed territory Saturday morning, producing snow and wind gusts in excess of 44 miles per hour. Wind gusts of approximately 39 miles per hour continued to affect the Met-Ed service territory on Sunday, March 13, 2022. The reliability impact of the storm was approximately 11.2 minutes of SAIDI, 180.5 minutes of CAIDI, and 0.062 minutes of SAIFI impact.

Penelec

- Beginning Thursday, February 17, 2022, a winter storm producing rain, snow, and high winds, moved west to east across the FirstEnergy service territory. The storm began affecting the Penelec territory late Thursday evening, producing rain and wind gusts in excess of 50 miles per hour. Rain and wind gusts of approximately 52 miles per hour continued to affect the Penelec service territory on Friday, February 18, 2022, and on Saturday, February 19, 2022, wind gusts were in excess of 50 miles per hour. The reliability impact of the storm was 6.5 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 217.3 minutes.
- Beginning Monday morning, March 7, 2022, a slow-moving cold front producing heavy rain and sleet with high wind gusts moved from west to east across Pennsylvania including the Penelec service territory. Wind gusts in the Penelec service territory exceeded 50 miles per hour on March

7, 2022. The reliability impact of the storm was 17.7 minutes of SAIDI, 0.07 of SAIFI, and an overall storm CAIDI of 250.6 minutes.

West Penn

- Beginning on Wednesday, February 2, 2022, a large, slow moving winter storm producing heavy rain, snow, sleet, and freezing rain moved across the FirstEnergy service territory from west to east. In the early morning hours of Thursday, February 3, 2022, the storm initially moved into West Penn's service territory producing periods of heavy rain and ice and continued into Friday, February 4, 2022. Ice accumulation in some areas of West Penn's territory reached 0.12 inches on February 3. Widespread freezing rain and ice accumulation continued on Friday, February 4, 2022 across West Penn's service territory creating up to .30 inches of ice. However, restoration crews reported higher accumulations nearing half an inch of ice in some areas of West Penn's territory that experienced considerable damage and outages. The reliability impact of the storm was 72.2 minutes of SAIDI, 0.05 of SAIFI, and an overall storm CAIDI of 1,433.4 minutes.
- Beginning Thursday, February 17, 2022, a winter storm producing rain, snow, and high winds moved west to east across the FirstEnergy service territory. The storm began affecting the West Penn territory on Thursday evening, producing rain and wind gusts in excess of 50 miles per hour. Rain and wind gusts of approximately 47 miles per hour continued through Friday, February 18, 2022, and on Saturday, February 19, 2022, wind gusts again reached approximately 48 miles per hour. The reliability impact of the storm was 22.8 minutes of SAIDI, 0.05 of SAIFI, and an overall storm CAIDI of 484.17 minutes.
- Beginning Monday morning, March 7, 2022, a slow-moving cold front producing thunderstorms, rain showers and wind gusts moved from west to east across Pennsylvania including the West Penn service territory. Wind gusts in the West Penn service territory exceeded 50 miles per hour on March 7, 2022. The reliability impact of the storm was 12 minutes of SAIDI, 0.06 of SAIFI, and an overall storm CAIDI of 215.0 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

Outages by Cause – Met-Ed

Outage by Cause				
1st Quarter 2022 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	83,229,107	3,652	266,921	50.36%
Equipment failure	27,820,146	2,897	196,810	16.83%
Vehicle	10,840,548	352	53,327	6.56%
Unknown	8,457,376	1,423	73,552	5.12%
Trees off ROW - limb	7,600,739	689	32,244	4.60%
Line failure	5,688,182	754	30,701	3.44%
Forced outage	5,091,045	544	88,885	3.08%
Lightning	3,687,154	318	19,479	2.23%
Animal	2,746,961	1,547	45,574	1.66%
Wind	4,222,632	231	15,152	2.56%
Human error - company	1,404,924	55	17,551	0.85%
Trees on ROW	1,475,586	126	6,584	0.89%
Trees - sec/service	1,081,798	641	1,895	0.65%
Object contact with line	474,975	65	4,658	0.29%
Human error - non-company	354,070	52	2,847	0.21%
Bird	450,312	623	4,560	0.27%
Overload	211,406	45	4,475	0.13%
Previous lightning	93,978	22	345	0.06%
UG dig-up	65,207	30	462	0.04%
Other electric utility	55,881	10	549	0.03%
Customer equipment	112,846	25	266	0.07%
Other utility - non-electric	17,360	6	511	0.01%
Contamination	14,355	1	145	0.01%
Ice	57,348	16	333	0.03%
Fire	7,573	5	31	0.00%
Vandalism	608	3	3	0.00%
Total	165,262,117	14,132	867,860	100%

Proposed Solutions – Met-Ed

Met-Ed analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending March 31, 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") programs⁴ 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.

⁴ 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

Outage by Cause				
1st Quarter 2022 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	63,112,124	2,368	301,246	39.59%
Equipment failure	30,406,716	2,836	254,427	19.07%
Line failure	15,480,636	1,521	127,611	9.71%
Forced outage	9,725,901	1,280	90,919	6.10%
Unknown	9,281,679	1,817	96,252	5.82%
Lightning	6,095,247	704	50,593	3.82%
Trees off ROW - limb	5,860,846	436	44,463	3.68%
Vehicle	5,509,726	331	38,390	3.46%
Animal	4,037,497	1,507	38,829	2.53%
Wind	3,055,101	110	9,323	1.92%
Object contact with line	1,284,225	41	4,426	0.81%
Trees - sec/service	1,044,595	859	3,480	0.66%
Human error - company	909,396	64	14,279	0.57%
Bird	901,709	496	11,065	0.57%
Other electric utility	758,936	91	2,358	0.48%
Trees on ROW	516,671	68	2,026	0.32%
Human error - non-company	481,227	70	2,724	0.30%
UG dig-up	369,633	43	1,512	0.23%
Customer equipment	158,495	24	2,534	0.10%
Overload	155,763	25	4,596	0.10%
Ice	151,075	32	802	0.09%
Contamination	70,970	43	435	0.04%
Previous lightning	26,886	10	32	0.02%
Fire	12,141	5	78	0.01%
Other utility - non-electric	2,228	3	8	0.00%
Vandalism	1,511	9	9	0.00%
Switching Error	567	1	9	0.00%
Total	159,411,501	14,794	1,102,426	100%

Proposed Solutions – Penelec

Penelec analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending March 31, 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

Outage by Cause				
1st Quarter 2022 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	14,420,093	863	66,721	57.98%
Vehicle	1,899,237	90	10,834	7.64%
Line failure	1,761,784	295	12,978	7.08%
Lightning	1,519,575	319	9,445	6.11%
Equipment failure	1,133,206	337	12,977	4.56%
Trees off ROW - limb	1,106,974	197	7,268	4.45%
Unknown	946,945	163	25,506	3.81%
Animal	570,557	461	8,002	2.29%
Forced outage	497,539	83	9,915	2.00%
Bird	345,096	403	3,894	1.39%
Human error - company	217,225	26	14,914	0.87%
Trees - sec/service	209,476	157	449	0.84%
Human error - non-company	183,453	26	1,234	0.74%
UG dig-up	22,056	12	269	0.09%
Object contact with line	14,468	7	165	0.06%
Trees on ROW	7,631	3	103	0.03%
Other electric utility	7,038	1	69	0.03%
Overload	3,294	3	63	0.01%
Previous lightning	1,148	8	8	0.00%
Ice	1,066	4	6	0.00%
Customer equipment	745	5	6	0.00%
Vandalism	165	2	2	0.00%
Total	24,868,771	3,465	184,828	100%

Proposed Solutions – Penn Power

Penn Power analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending March 31, 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.

Penn Power 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.

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

Outages by Cause – West Penn

Outage by Cause				
1st Quarter 2022 12-Month Rolling	West Penn			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	121,338,686	3,753	321,315	48.85%
Unknown	21,432,253	1,780	115,386	8.63%
Equipment failure	19,947,152	1,984	129,682	8.03%
Line failure	19,825,056	1,444	96,542	7.98%
Ice	19,231,102	116	11,788	7.74%
Trees on ROW	12,523,555	554	44,297	5.04%
Vehicle	9,128,368	346	64,599	3.68%
Forced outage	5,824,343	698	69,007	2.35%
Wind	5,221,557	177	17,276	2.10%
Trees off ROW - limb	5,141,749	288	37,347	2.07%
Animal	2,314,939	1,485	36,096	0.93%
Lightning	1,240,165	219	5,816	0.50%
Human error - non-company	1,211,819	53	5,702	0.49%
Other electric utility	1,022,149	20	2,586	0.41%
Bird	780,930	488	9,095	0.31%
Trees - sec/service	719,318	515	1,000	0.29%
Object contact with line	423,510	21	2,181	0.17%
Human error - company	384,535	38	12,343	0.15%
Fire	239,305	12	1,240	0.10%
Overload	220,642	9	3,945	0.09%
UG dig-up	88,308	31	656	0.04%
Vandalism	62,373	5	63	0.03%
Customer equipment	38,744	14	250	0.02%
Other utility - non-electric	8,213	5	27	0.00%
Switching error	1,380	1	138	0.00%
Contamination	414	2	2	0.00%
Previous Lightning	180	2	2	0.00%
Total	248,370,745	14,060	988,381	100%

Proposed Solutions – West Penn

West Penn analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending March 31, 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		
2022		Planned	Completed		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD
Forestry	Transmission (Miles)	258.79	127.45	127.45	441.62	148.93	148.93	61.75	8.35	8.35	308.61	101.8	101.8
	Distribution (Miles)	2,905	638	638	3,780	827	827	1,113	320	320	4,606	1,008	1,008
Transmission	Aerial Patrols	2	0	0	2	0	0	2	1	1	2	0	0
	Groundline	0	0	0	3,102	530	530	0	0	0	642	0	0
Substation	Substation Inspections Class A	418	209	209	782	390	390	148	74	74	938	469	469
	Substation Inspections Class B	418	0	0	782	0	0	148	0	0	938	0	0
	Substation Inspections Class C	1,672	418	418	3,128	782	782	592	148	148	3,752	938	938
	Transformers	137	18	18	397	138	138	11	0	0	343	121	121
	Breakers	71	8	8	346	85	85	12	2	2	379	34	34
	Relay Schemes	218	96	96	177	52	52	26	0	0	44	8	8
Distribution	Capacitors	4,823	4,823	4,823	8,681	8,681	8,681	963	963	963	1,316	1,316	1,316
	Poles	45,000	5,317	5,317	41,584	9,942	9,942	10,802	796	796	55,344	4,580	4,580
	Reclosers	1,355	718	718	2,588	0	0	985	985	985	4,077	3,397	3,397
	Radio-Controlled Switches	1,450	147	147	2,652	264	264	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 Expenditures⁵

This portion of the report is confidential.

⁵ 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 Capital⁶ Expenditures⁷

This portion of the report is confidential.

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

⁷ Budgets are subject to change.

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

Staffing Levels

Met-Ed 2022												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2023 ¹¹
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other ⁹	Retirement	Voluntary Separation	Other ¹⁰	
Distribution	Line Leader	52										
	Line Troubleshooter	35						2				
	Lineman	151								1	5	
Substation	Substation Leader	15							1			
	Substation Employee	60						1	2	2	3	
Transmission	Line Leader	2										
	Lineman	11						2				
Total		326				0	0	5	3	3	8	

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

⁹ Includes transfers and promotions.

¹⁰ Includes transfers, voluntary separations, and promotions.

¹¹ Hiring plan to be provided annually in the 4Q report.

Penelec 2022												
Department	Position	Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2023 ¹⁴
		1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other ¹²	Retirement	Voluntary Separation	Other ¹³	
Distribution	Line Leader	58						4	2		2	
	Line Troubleshooter	73						1	2			
	Lineman	148						4		2	5	
Substation	Substation Leader	28						2				
	Substation Employee	47									1	
Transmission	Line Leader	5										
	Lineman	19									1	
	Total	378						11	4	2	9	

¹² Includes transfers and promotions.

¹³ Includes transfers, involuntary separations, and promotions.

¹⁴ Hiring plan to be provided annually in the 4Q report.

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

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

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

¹⁷ Hiring plan to be provided annually in the 4Q report.

West Penn 2022												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2023 ²⁰
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other ¹⁸	Retirement	Voluntary Separation	Other ¹⁹	
Distribution	Line Leader	67						3			2	
	Line Troubleshooter	55						3	1		3	
	Lineman	145						24			30	
Substation	Substation Leader	22						1				
	Substation Employee	75						5			6	
Transmission	Line Leader	2										
	Lineman	8						2			2	
	Total	374						381			43	

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

¹⁹ Includes transfers, involuntary separations, promotions, and promotions within a position.

²⁰ 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.

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

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	3,202	181	1	3,024,849	10,714	5.27	945	3.35	282	0.38
2	Huffs Church	00600-1	Boyertown	1,620	170	1	2,594,814	5,930	4.52	1,602	3.66	438	0.00
3	Snydersville	00621-3	Stroudsburg	1,302	67	3	2,359,361	8,822	4.11	1,812	6.78	267	1.00
4	Bushkill Falls	00698-3	Stroudsburg	1,758	29	2	2,337,278	3,925	4.07	1,330	2.23	595	1.00
5	Barto	00706-1	Boyertown	2,954	169	1	2,277,299	6,185	3.97	771	2.09	368	1.93
6	Birdsboro	00756-1	Reading	1,523	104	4	2,181,932	10,770	3.80	1,433	7.07	203	9.75
7	Shawnee	00895-3	Stroudsburg	4,018	78	1	2,061,608	7,806	3.59	513	1.94	264	1.29
8	North Lebanon	00712-2	Lebanon	2,582	73	3	2,032,804	10,149	3.54	787	3.93	200	6.99
9	Shawnee	00860-3	Stroudsburg	3,222	55	3	1,899,704	15,688	3.31	590	4.87	121	1.00
10	Lynnville	00737-1	Hamburg	1,076	154	0	1,578,914	3,939	2.75	1,467	3.66	401	1.00
11	Mountain	00744-4	Dillsburg	1,798	106	0	1,378,125	5,684	2.40	766	3.16	242	0.00
12	Orrtanna	00761-4	Gettysburg	488	23	3	1,366,101	1,839	2.38	2,799	3.77	743	0.83
13	Tolna	00792-4	York	1,815	41	1	1,307,386	7,098	2.28	720	3.91	184	0.09
14	Barto	00705-1	Boyertown	654	90	0	1,285,058	2,460	2.24	1,965	3.76	522	0.85
15	Bairs	00571-4	York	2,369	99	0	1,226,826	5,578	2.14	518	2.35	220	0.00
16	Collins	00760-2	Lebanon	1,112	54	1	1,225,435	4,659	2.14	1,102	4.19	263	0.00
17	Bernville	00787-1	Hamburg	1,703	65	1	1,202,391	3,210	2.10	706	1.88	375	1.59
18	Orrtanna	00764-4	Gettysburg	1,709	68	1	1,149,269	3,487	2.00	672	2.04	330	0.32
19	Friedensburg	00141-1	Reading	648	62	0	1,118,561	2,049	1.95	1,726	3.16	546	0.00
20	Ferndale	00871-3	Easton	487	51	0	1,100,339	2,375	1.92	2,259	4.88	463	3.94
21	Flying Hills	00777-1	Reading	1,790	66	0	1,072,986	4,729	1.87	599	2.64	227	0.18
22	Shawnee	00899-3	Stroudsburg	1,676	42	2	1,038,504	4,402	1.81	620	2.63	236	5.12
23	Cly	00721-4	York	822	49	0	1,018,734	2,129	1.78	1,239	2.59	479	0.00
24	W Boyertown	00715-1	Boyertown	1,697	59	2	1,014,717	5,156	1.77	598	3.04	197	0.00
25	Grantley	00401-4	York	799	12	2	901,995	1,770	1.57	1,129	2.22	510	0.00
26	Violet Hill	00527-4	York	1,277	25	6	899,809	7,506	1.57	705	5.88	120	3.89
27	North Cornwall	00610-2	Lebanon	2,330	67	1	890,361	6,217	1.55	382	2.67	143	1.85
28	Mountain	00742-4	Dillsburg	1,423	48	0	885,521	2,588	1.54	622	1.82	342	1.08

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Pleasantville	00142-1	Boyertown	819	91	1	881,065	3,405	1.54	1,076	4.16	259	0.00
30	North Lebanon	00715-2	Lebanon	1,604	52	1	875,503	3,848	1.53	546	2.40	228	0.00
31	Mountain	00743-4	Dillsburg	1,029	57	1	817,042	2,269	1.42	794	2.21	360	0.00
32	Belfast	00817-3	Easton	1,020	41	0	812,237	1,877	1.42	796	1.84	433	1.66
33	North Cornwall	00611-2	Lebanon	904	33	4	808,268	3,591	1.41	894	3.97	225	0.82
34	Angelica	00129-1	Reading	700	38	1	802,513	1,412	1.40	1,146	2.02	568	2.00
35	Raubsville St	00079-3	Easton	799	25	1	788,407	2,659	1.37	987	3.33	297	0.00
36	Lynnville	00749-1	Hamburg	852	65	0	750,983	1,825	1.31	881	2.14	411	0.00
37	North Hanover	00505-4	Hanover	1,362	23	2	730,144	3,262	1.27	536	2.40	224	0.00
38	Ferndale	00076-3	Easton	639	73	0	728,804	1,416	1.27	1,141	2.22	515	0.00
39	Hill	00737-4	York	2,335	52	0	727,610	5,556	1.27	312	2.38	131	4.07

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Madera	00166-22	Philipsburg	1,314	65	3	2,567,262	6,505	4.43	1,953.78	4.95	395	2.37
2	Dubois	00137-23	Dubois	3,006	133	0	2,236,339	7,108	3.86	743.96	2.36	315	0.06
3	Russell Hill	00282-65	Montrose	892	62	0	2,025,414	3,897	3.49	2,270.64	4.37	520	1.13
4	Knox	00323-51	Oil City	1,280	55	8	1,784,266	11,200	3.08	1,393.96	8.75	159	2.04
5	Grover	00527-63	Towanda	1,053	75	2	1,724,875	5,594	2.97	1,638.06	5.31	308	0.22
6	Falls	00297-65	Montrose	758	31	0	1,573,781	2,760	2.71	2,076.23	3.64	570	10.65
7	Marienville	00328-51	Oil City	1,206	57	0	1,311,652	4,267	2.26	1,087.61	3.54	307	1.85
8	Spangler Sub	00052-72	Altoona	1,309	19	3	1,233,997	3,966	2.13	942.70	3.03	311	0.00
9	Saxton Sub	00625-73	Altoona	604	31	2	1,213,983	3,790	2.09	2,009.91	6.27	320	0.99
10	Warren South	00220-41	Warren	2,844	90	0	1,077,890	6,309	1.86	379.00	2.22	171	1.14
11	Hepburnia	00778-21	Clearfield	669	26	0	1,051,593	1,808	1.81	1,571.89	2.70	582	0.00
12	Piney	00523-51	Oil City	1,503	88	8	1,049,034	10,772	1.81	697.96	7.17	97	2.00
13	Tiffany	00435-65	Montrose	1,567	56	5	1,032,412	6,246	1.78	658.85	3.99	165	0.85
14	Union City Sub	00206-43	Erie	2,887	115	0	1,018,408	9,482	1.76	352.76	3.28	107	0.63
15	Samuel Rea Car Shop	00031-71	Altoona	1,806	14	3	1,016,517	15,247	1.75	562.86	8.44	67	3.11
16	Brookville West	00121-23	Dubois	768	45	2	974,424	3,413	1.68	1,268.78	4.44	286	0.72
17	N Meshoppen Tran	00531-65	Montrose	462	44	5	970,392	3,713	1.67	2,100.42	8.04	261	1.85
18	Springboro	00237-52	Meadville	2,754	89	0	964,707	7,733	1.66	350.29	2.81	125	0.06
19	Lake Como	00788-65	Montrose	614	38	5	949,131	1,663	1.64	1,545.82	2.71	571	2.08
20	Ppl West	PL097-62	Towanda	104	15	0	948,380	1,052	1.64	9,119.04	10.12	902	0.00
21	Seward	00075-11	Johnstown	814	40	2	934,190	3,564	1.61	1,147.65	4.38	262	1.96
22	Crown	00320-51	Oil City	467	44	2	920,141	3,161	1.59	1,970.32	6.77	291	0.00
23	Tunkhannock	00533-65	Montrose	1,245	81	0	894,358	4,512	1.54	718.36	3.62	198	6.31
24	Canton	00608-63	Towanda	294	29	2	879,948	1,048	1.52	2,993.02	3.56	840	1.00
25	Madera	00165-22	Philipsburg	1,727	41	0	863,028	5,441	1.49	499.73	3.15	159	0.61
26	Cranberry	00350-51	Oil City	1,071	35	2	840,837	3,919	1.45	785.10	3.66	215	0.00
27	N Meshoppen Tran	00534-65	Montrose	884	81	0	781,023	1,760	1.35	883.51	1.99	444	0.03
28	Somerset	00031-12	Somerset	2,089	37	2	776,519	5,415	1.34	371.72	2.59	143	1.27

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Fallen Timbers	00995-22	Philipsburg	563	22	1	766,157	3,854	1.32	1,360.85	6.85	199	0.22
30	Titusville Sub	00514-51	Oil City	522	28	0	752,903	2,060	1.30	1,442.34	3.95	365	0.01
31	French Road	00219-31	Erie	1,484	16	1	740,051	3,147	1.28	498.69	2.12	235	0.93
32	Wyalusing Sub	00532-62	Towanda	734	57	1	713,433	2,675	1.23	971.98	3.64	267	0.91
33	Spangler Sub	00051-72	Altoona	860	10	1	673,079	3,278	1.16	782.65	3.81	205	2.20
34	East Pike	00095-13	Indiana	3,288	30	4	658,291	6,350	1.14	200.21	1.93	104	1.21
35	Russell Hill	00765-65	Montrose	361	36	0	654,807	1,566	1.13	1,813.87	4.34	418	1.03
36	Erie South	00259-31	Erie	2,690	69	0	649,212	4,928	1.12	241.34	1.83	132	0.39
37	Madera	00167-22	Philipsburg	1,629	47	0	643,047	3,671	1.11	394.75	2.25	175	1.47
38	North Warren	00596-41	Warren	1,125	53	0	634,267	3,918	1.09	563.79	3.48	162	2.01
39	East Pike	00096-13	Indiana	2,592	37	1	622,745	6,523	1.07	240.26	2.52	95	0.00
40	Natl Forge Sw Sta	00577-41	Warren	1,101	52	0	595,099	3,630	1.03	540.51	3.30	164	1.74
41	French Road	00550-31	Erie	1,459	22	1	594,128	3,908	1.02	407.22	2.68	152	0.30
42	Tiffany	00440-65	Montrose	1,210	32	0	571,776	6,172	0.99	472.54	5.10	93	1.47
43	Thompson	00436-65	Montrose	1,237	58	3	571,455	3,892	0.99	461.97	3.15	147	0.01
44	Birmingham	00168-22	Philipsburg	1,108	65	1	560,313	3,303	0.97	505.70	2.98	170	0.81
45	East Hickory	00200-41	Warren	476	36	3	556,283	1,870	0.96	1,168.66	3.93	297	2.59
46	Thompson	00446-65	Montrose	1,141	49	1	550,801	3,092	0.95	482.74	2.71	178	0.50
47	Page Road	00445-43	Erie	658	34	6	538,351	2,853	0.93	818.16	4.34	189	5.01
48	Glory	00106-13	Indiana	264	22	1	536,058	1,323	0.92	2,030.52	5.01	405	3.33
49	Blairsville East	00080-13	Indiana	1,552	31	0	532,676	5,015	0.92	343.22	3.23	106	0.69
50	East Pike	00094-13	Indiana	1,576	10	0	511,471	3,459	0.88	324.54	2.19	148	0.00
51	Glen Campbell	00680-21	Clearfield	439	33	3	506,548	3,730	0.87	1,153.87	8.50	136	7.69
52	Cooper	00069-11	Johnstown	669	25	2	504,152	3,351	0.87	753.59	5.01	150	1.26
53	Riverside	00164-81	Lewistown	1,311	25	1	494,073	2,321	0.85	376.87	1.77	213	0.00
54	Meshoppen	00283-65	Montrose	384	15	0	489,965	897	0.85	1,275.95	2.34	546	4.85
55	Titusville	00387-51	Oil City	626	33	1	488,046	1,697	0.84	779.63	2.71	288	1.56
56	Claysburg	00044-71	Altoona	1,193	25	0	482,977	2,412	0.83	404.84	2.02	200	0.00

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
57	Tower 51	00051-11	Johnstown	575	27	0	482,640	2,292	0.83	839.37	3.99	211	0.03
58	Brookville	00125-23	Dubois	563	42	0	478,549	2,095	0.83	850.00	3.72	228	2.49
59	Madera	00147-22	Philipsburg	1,055	35	3	477,768	2,015	0.82	452.86	1.91	237	1.23
60	Logan	00700-81	Lewistown	1,004	34	0	460,353	1,876	0.79	458.52	1.87	245	0.34
61	Crown	00519-51	Oil City	664	76	0	457,270	1,812	0.79	688.66	2.73	252	0.00
62	Wellsboro	00324-63	Mansfield PA	286	26	3	448,369	1,696	0.77	1,567.72	5.93	264	0.75

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	1,379	19	2	794,864	2,779	4.75	576	2.02	286	0.00
2	Mcdowell	W-121	Clark	698	35	4	753,086	1,855	4.50	1,079	2.66	406	0.00
3	Ingomar	D620	Zelienople	1,270	16	2	735,520	3,724	4.40	579	2.93	198	0.00
4	Stoneboro	W-131	Clark	1,454	100	0	653,658	2,004	3.91	450	1.38	326	0.00
5	Seneca	W700	Zelienople	938	42	1	571,710	2,591	3.42	609	2.76	221	0.00
6	Union	W-561	New Castle	1,598	35	3	558,912	5,180	3.34	350	3.24	108	0.00
7	Ray Street	D-389	New Castle	1,218	11	5	475,124	2,575	2.84	390	2.11	185	0.00
8	Warrendale	D625	Zelienople	1,285	26	2	444,373	3,178	2.66	346	2.47	140	0.00
9	Richard	W742	Zelienople	1,548	27	0	432,919	2,642	2.59	280	1.71	164	0.00
10	Castlewood	D-326	New Castle	1,185	43	0	344,808	3,122	2.06	291	2.63	110	0.00

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
1	Avella	W Middletown	Washington PA	1,057	117	0	5,943,632	8,477	8.2	5,623	8.02	701
2	Hickory	Hickory	Washington PA	945	72	1	4,248,005	3,219	5.9	4,495	3.41	1,320
3	Dutch Fork	Claysville	Washington PA	1,633	95	0	4,099,306	3,689	5.7	2,510	2.26	1,111
4	Amity	Banetown	Washington PA	1,482	90	4	3,826,080	8,057	5.3	2,582	5.44	475
5	Dutch Fork	W Alexander	Washington PA	1,181	84	3	3,639,385	3,411	5.0	3,082	2.89	1,067
6	Paris	Paris	Washington PA	758	30	2	3,624,567	1,959	5.0	4,782	2.58	1,850
7	Smith	Florence	Washington PA	803	55	1	3,523,199	1,700	4.9	4,388	2.12	2,072
8	Smith	Francis Mine	Washington PA	1,435	53	2	3,316,340	3,953	4.6	2,311	2.75	839
9	Rutan	Bristoria	Jefferson	1,122	111	0	3,292,203	4,820	4.5	2,934	4.30	683
10	Donegal	Bear Rocks	Pleasant Valley	1,276	59	0	2,509,046	2,734	3.5	1,966	2.14	918
11	Treveskyn	Treveskyn	Boyce	1,489	33	2	2,445,019	3,681	3.4	1,642	2.47	664
12	Midway	Midway	Washington PA	937	35	0	2,006,418	2,834	2.8	2,141	3.02	708
13	Avella	Penowa	Washington PA	627	69	0	1,913,698	2,545	2.6	3,052	4.06	752
14	North Fayette	Tyre	Boyce	1,815	79	1	1,876,873	5,055	2.6	1,034	2.79	371
15	Hickory	Fort Cherry	Washington PA	1,040	57	0	1,797,197	3,586	2.5	1,728	3.45	501
16	Karns City	Kaylor	Butler	1,152	38	0	1,757,900	4,255	2.4	1,526	3.69	413
17	Waterville	Waterville	State College	357	33	0	1,700,276	4,425	2.3	4,763	12.39	384
18	Cecil	Bishop	Boyce	1,920	52	3	1,518,206	6,820	2.1	791	3.55	223
19	Gordon	Wolfdale	Washington PA	2,085	60	1	1,452,620	4,195	2.0	697	2.01	346
20	Franklin	Rogersville	Jefferson	831	79	0	1,431,033	2,903	2.0	1,722	3.49	493
21	Vandergrift	Grifflo Park	Arnold	2,736	63	0	1,333,449	6,531	1.8	487	2.39	204
22	Vestaburg	Fredericktown	Jefferson	818	6	2	1,330,233	1,588	1.8	1,626	1.94	838
23	Piney Fork	Gillhall	Charleroi	2,202	16	0	1,316,372	3,963	1.8	598	1.80	332
24	Thomas	Thomas	Boyce	1,350	50	2	1,299,476	4,178	1.8	963	3.09	311
25	Robbins	Balkan	Jeannette	1,718	24	3	1,287,965	4,342	1.8	750	2.53	297
26	Saltsburg	Saltsburg	Arnold	1,407	61	4	1,229,637	6,739	1.7	874	4.79	182

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
27	Cecil	Murray Hill	Boyce	1,789	23	2	1,192,536	3,963	1.6	667	2.22	301
28	Flintstone	Chaneyville	Hyndman	577	40	4	1,189,609	2,981	1.6	2,062	5.17	399
29	Bethel Park	Dashwood	Boyce	2,162	25	1	1,171,479	4,291	1.6	542	1.98	273
30	Crossgates	Peters Twp	Boyce	1,064	18	0	1,137,204	1,777	1.6	1,069	1.67	640
31	Port Matilda	Port Matilda	State College	1,442	57	3	1,057,539	4,591	1.5	733	3.18	230
32	Quincy	South Mountain	Waynesboro	865	17	3	1,033,639	3,454	1.4	1,195	3.99	299
33	Graysville	Graysville	Jefferson	556	44	0	1,004,097	1,304	1.4	1,806	2.35	770
34	Peters	Library	Boyce	1,843	29	4	995,233	5,096	1.4	540	2.77	195
35	Houston	Pristine	Washington PA	983	29	1	967,842	2,337	1.3	985	2.38	414
36	New Kensington	Power	Arnold	1,514	15	0	935,368	3,509	1.3	618	2.32	267
37	Saltsburg	Bell Township	Arnold	756	31	1	888,175	1,965	1.2	1,175	2.60	452
38	North Union	Phillips	Uniontown	1,471	35	1	872,621	4,607	1.2	593	3.13	189
39	Enlow	Summit	Boyce	1,804	16	0	815,902	5,013	1.1	452	2.78	163
40	Cooperstown	Twin Willows	Butler	1,839	40	4	795,276	8,926	1.1	432	4.85	89

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

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

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
1	No Bangor	00826-3	Easton	3,202	181
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.27	Trees Off Row-Tree	57%	2Q 2021
	SAIDI	944.67	Vehicle	22%	3Q 2021
	SAIFI	3.35	Equipment Failure	6%	4Q 2021
	CAIDI	282	All Other	14%	1Q 2022
	Customer Minutes	3,024,849			
	Customers Affected	10,714			
	Remedial Action Planned or Taken			Status	Progress
	Construct circuit tie Phase 1			Complete	May-21
	Overhead circuit inspection			Complete	Aug-21
	Construct circuit tie Phase 2			Complete	Aug-21
	Construct circuit tie Phase 3			Complete	Aug-21
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21
	On cycle tree trimming			To be completed 2022	30%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
2	Huffs Church	00600-1	Boyertown	1,620	170
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.52	Trees Off Row-Tree	79%	2Q 2021
	SAIDI	1,601.74	Trees Off Row-Limb	8%	3Q 2021
	SAIFI	3.66	Equipment Failure	5%	4Q 2021
	CAIDI	438	All Other	8%	1Q 2022
	Customer Minutes	2,594,814			
	Customers Affected	5,930			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Dec-20
	Install Supervisory Control and Data Acquisition (SCADA) switch			Complete	Apr-21
	Repair/Replace high priority items from overhead circuit inspection			Complete	Apr-21
	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
3	Snydersville	00621-3	Stroudsburg	1,302	67
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.11	Trees Off Row-Tree	61%	3Q 2021
	SAIDI	1,812.11	Unknown	26%	4Q 2021
	SAIFI	6.78	Equipment Failure	5%	1Q 2022
	CAIDI	267	All Other	8%	
	Customer Minutes	2,359,361			
	Customers Affected	8,822			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Mar-21
	Repair/Replace priority items from overhead circuit inspection			Complete	Jun-21
	On cycle tree trimming			To be completed 2022	0%
	Replace priority poles (2 poles)			Complete	Mar-22

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
4	Bushkill Falls	00698-3	Stroudsburg	1,758	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.07	Trees Off Row-Tree	86%	3Q 2021
	SAIDI	1,329.51	Line Failure	10%	4Q 2021
	SAIFI	2.23	Equipment Failure	2%	1Q 2022
	CAIDI	595	All Other	1%	
	Customer Minutes	2,337,278			
	Customers Affected	3,925			
	Remedial Action Planned or Taken			Status	Progress
	Repair/replace Priority items from overhead circuit inspection			Complete	Apr-21
	On cycle tree trimming			To be completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
5	Barto	00706-1	Boyertown	2,954	169
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.97	Trees Off Row-Tree	82%	2Q 2021
	SAIDI	770.92	Trees Off Row-Limb	9%	1Q 2022
	SAIFI	2.09	Equipment Failure	3%	
	CAIDI	368	All Other	5%	
	Customer Minutes	2,277,299			
	Customers Affected	6,185			
	Remedial Action Planned or Taken			Status	Progress
	Replace/repair high priority items identified during overhead circuit inspection			Complete	Apr-21
	Install additional line sectionalizing device			Complete	Apr-21
Targeted forestry inspection - Circuit Lockout			Complete	Apr-21	
Replace mainline switch			To be completed 2022	50%	
Targeted forestry inspection - 70612 Recloser Zone			To be completed 2022	0%	
Rank	Substation	Circuit	District	Customers	Outages
6	Birdsboro	00756-1	Reading	1,523	104
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.80	Trees Off Row-Tree	87%	4Q 2021
	SAIDI	1,432.65	Equipment Failure	5%	1Q 2022
	SAIFI	7.07	Vehicle	4%	
	CAIDI	203	All Other	4%	
	Customer Minutes	2,181,932			
	Customers Affected	10,770			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			Complete	Feb-22
On cycle tree trimming			To be completed 2022	51%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
7	Shawnee	00895-3	Stroudsburg	4,018	78
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.59	Trees Off Row-Tree	90%	3Q 2021
	SAIDI	513.09	Equipment Failure	6%	4Q 2021
	SAIFI	1.94	Lightning	3%	1Q 2022
	CAIDI	264	All Other	1%	
	Customer Minutes	2,061,608			
	Customers Affected	7,806			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Oct-20
	Repair/replace priority items from thermovision circuit inspection			Complete	Mar-21
	Reconductor 1 mile of circuit			Complete	Apr-21
	Complete voltage conversion and circuit reconfiguration			Complete	May-21
	Overhead circuit inspection			To be completed 2022	80%
Replace insulators			To be completed 2022	50%	
Rank	Substation	Circuit	District	Customers	Outages
8	North Lebanon	00712-2	Lebanon	2,582	73
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.54	Trees Off Row-Tree	73%	3Q 2021
	SAIDI	787.30	Wind	9%	4Q 2021
	SAIFI	3.93	Vehicle	9%	1Q 2022
	CAIDI	200	All Other	9%	
	Customer Minutes	2,032,804			
	Customers Affected	10,149			
	Remedial Action Planned or Taken			Status	Progress
	On cycle Tree Trimming			Complete	Dec-21
	Install Supervisory Control and Data Acquisition (SCADA) switch			To be completed 2022	25%
Rank	Substation	Circuit	District	Customers	Outages
9	Shawnee	00860-3	Stroudsburg	3,222	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.31	Trees Off Row-Tree	72%	2Q 2021
	SAIDI	589.60	Equipment Failure	21%	3Q 2021
	SAIFI	4.87	Lightning	4%	4Q 2021
	CAIDI	121	All Other	3%	1Q 2022
	Customer Minutes	1,899,704			
	Customers Affected	15,688			
	Remedial Action Planned or Taken			Status	Progress
	Repair items from thermovision inspection			Complete	Apr-21
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21
On cycle tree trimming			To be completed 2022	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
10	Lynnville	00737-1	Hamburg	1,076	154
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.75	Trees Off Row-Tree	87%	2Q 2021
	SAIDI	1,467.39	Trees Off Row-Limb	4%	3Q 2021
	SAIFI	3.66	Unknown	3%	4Q 2021
	CAIDI	401	All Other	7%	1Q 2022
	Customer Minutes	1,578,914			
	Customers Affected	3,939			
	Remedial Action Planned or Taken			Status	Progress
	Target Tree Trimming (Sousley Rd)			Complete	Aug-21
	Install Supervisory Control and Data Acquisition (SCADA)			Complete	Mar-22
Targeted forestry inspection			Complete	Jan-22	
Rank	Substation	Circuit	District	Customers	Outages
11	Mountain	00744-4	Dillsburg	1,798	106
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.40	Trees Off Row-Tree	72%	2Q 2021
	SAIDI	766.48	Vehicle	12%	3Q 2021
	SAIFI	3.16	Forced Outage	7%	4Q 2021
	CAIDI	242	All Other	9%	1Q 2022
	Customer Minutes	1,378,125			
	Customers Affected	5,684			
	Remedial Action Planned or Taken			Status	Progress
	On cycle Tree Trimming			To be Completed 2022	93%
	Circuit Rehabilitation Zone 2			To be Completed 2022	25%
Rank	Substation	Circuit	District	Customers	Outages
12	Orrtanna	00761-4	Gettysburg	488	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.38	Trees Off Row-Tree	81%	2Q 2021
	SAIDI	2,799.39	Equipment Failure	19%	3Q 2021
	SAIFI	3.77	Unknown	0%	4Q 2021
	CAIDI	743	All Other	0%	1Q 2022
	Customer Minutes	1,366,101			
	Customers Affected	1,839			
	Remedial Action Planned or Taken			Status	Progress
	Thermovision and overhead Inspection			Complete	Oct-21

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
13	Tolna	00792-4	York	1,815	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.28	Vehicle	44%	2Q 2021
	SAIDI	720.32	Equipment Failure	26%	3Q 2021
	SAIFI	3.91	Wind	20%	4Q 2021
	CAIDI	184	All Other	9%	1Q 2022
	Customer Minutes	1,307,386			
	Customers Affected	7,098			
	Remedial Action Planned or Taken			Status	Progress
	Engineering Circuit Review			Complete	Dec-21
Rank	Substation	Circuit	District	Customers	Outages
14	Barto	00705-1	Boyertown	654	90
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.24	Trees Off Row-Tree	74%	4Q 2021
	SAIDI	1,964.92	Trees Off Row-Limb	21%	1Q 2022
	SAIFI	3.76	Equipment Failure	2%	
	CAIDI	522	All Other	3%	
	Customer Minutes	1,285,058			
	Customers Affected	2,460			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Dec-20
Targeted forestry inspection (Mountain Mary Rd)			Complete	Jan-22	
Targeted forestry inspection - 2-18-22 Recloser lockout			To be completed 2022	0%	
Rank	Substation	Circuit	District	Customers	Outages
15	Bairs	00571-4	York	2,369	99
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.14	Trees Off Row-Tree	66%	4Q 2021
	SAIDI	517.87	Forced Outage	17%	1Q 2022
	SAIFI	2.35	Vehicle	11%	
	CAIDI	220	All Other	7%	
	Customer Minutes	1,226,826			
	Customers Affected	5,578			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Dec-21
Engineering SCADA Analysis			Complete	Feb-22	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
16	Collins	00760-2	Lebanon	1,112	54
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.14	Trees Off Row-Tree	73%	2Q 2021
	SAIDI	1,102.01	Line Failure	19%	3Q 2021
	SAIFI	4.19	Equipment Failure	4%	4Q 2021
	CAIDI	263	All Other	5%	1Q 2022
	Customer Minutes	1,225,435			
	Customers Affected	4,659			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Jun-21
Additional Ash Tree Removal			Complete	Jul-21	
Rank	Substation	Circuit	District	Customers	Outages
17	Bernville	00787-1	Hamburg	1,703	65
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.10	Vehicle	40%	2Q 2021
	SAIDI	706.04	Trees Off Row-Tree	35%	1Q 2022
	SAIFI	1.88	Equipment Failure	13%	
	CAIDI	375	All Other	12%	
	Customer Minutes	1,202,391			
	Customers Affected	3,210			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Dec-21
Rank	Substation	Circuit	District	Customers	Outages
18	Orrtanna	00764-4	Gettysburg	1,709	68
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.00	Trees Off Row-Tree	83%	1Q 2022
	SAIDI	672.48	Equipment Failure	8%	
	SAIFI	2.04	Trees Off Row-Limb	4%	
	CAIDI	330	All Other	5%	
	Customer Minutes	1,149,269			
	Customers Affected	3,487			
	Remedial Action Planned or Taken			Status	Progress
	Install Supervisory Control and Data Acquisition (SCADA) switch			Complete	Dec-21

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
19	Friedensburg	00141-1	Reading	648	62
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.95	Trees Off Row-Tree	78%	4Q 2021
	SAIDI	1,726.17	Unknown	10%	1Q 2022
	SAIFI	3.16	Trees Off Row-Limb	5%	
	CAIDI	546	All Other	7%	
	Customer Minutes	1,118,561			
	Customers Affected	2,049			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Aug-21
	Repair/Replace high priority item from overhead circuit inspection			To be completed 2022	50%
	On cycle Tree Trimming			To be completed 2022	42%
Rank	Substation	Circuit	District	Customers	Outages
20	Ferndale	00871-3	Easton	487	51
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.92	Trees Off Row-Tree	55%	4Q 2021
	SAIDI	2,259.42	Trees Off Row-Limb	38%	1Q 2022
	SAIFI	4.88	Unknown	2%	
	CAIDI	463	All Other	5%	
	Customer Minutes	1,100,339			
	Customers Affected	2,375			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Nov-21
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21
	Repair/replace priority item from overhead inspection			To be completed 2022	25%
Rank	Substation	Circuit	District	Customers	Outages
21	Flying Hills	00777-1	Reading	1,790	66
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.87	Trees Off Row-Tree	57%	2Q 2021
	SAIDI	599.43	Vehicle	23%	3Q 2021
	SAIFI	2.64	Trees On Row	6%	4Q 2021
	CAIDI	227	All Other	13%	1Q 2022
	Customer Minutes	1,072,986			
	Customers Affected	4,729			
	Remedial Action Planned or Taken			Status	Progress
	Repair/Replace high priority items from overhead circuit inspection			Complete	May-21
Install Supervisory Control and Data Acquisition (SCADA) switch			To be completed 2022	75%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
22	Shawnee	00899-3	Stroudsburg	1,676	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.81	Trees Off Row-Tree	70%	3Q 2021
	SAIDI	619.63	Equipment Failure	18%	4Q 2021
	SAIFI	2.63	Trees Off Row-Limb	9%	1Q 2022
	CAIDI	236	All Other	3%	
	Customer Minutes	1,038,504			
	Customers Affected	4,402			
	Remedial Action Planned or Taken			Status	Progress
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21
	On cycle tree trimming			Complete	Dec-21
Rank	Substation	Circuit	District	Customers	Outages
23	Cly	00721-4	York	822	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.78	Trees Off Row-Tree	83%	3Q 2021
	SAIDI	1,239.34	Trees Off Row-Limb	8%	4Q 2021
	SAIFI	2.59	Unknown	7%	1Q 2022
	CAIDI	479	All Other	1%	
	Customer Minutes	1,018,734			
	Customers Affected	2,129			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Oct-21
	Repair/replace priority items from overhead circuit inspection			To be completed 2022	75%
Rank	Substation	Circuit	District	Customers	Outages
24	W Boyertown	00715-1	Boyertown	1,697	59
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.77	Trees Off Row-Tree	68%	2Q 2021
	SAIDI	597.95	Human Error - Company	18%	3Q 2021
	SAIFI	3.04	Unknown	5%	4Q 2021
	CAIDI	197	All Other	10%	1Q 2022
	Customer Minutes	1,014,717			
	Customers Affected	5,156			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Apr-21
	On cycle tree trimming			Complete	Jul-21
	Targeted tree trimming investigation			Complete	Oct-21
	Targeted forestry inspections (Old State Rd & Long Lane)			Complete	Jan-22
Repair/replace priority items from overhead circuit inspection			To be completed 2022	75%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
25	Grantley	00401-4	York	799	12
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.57	Trees Off Row-Tree	63%	3Q 2021
	SAIDI	1,128.90	Equipment Failure	36%	4Q 2021
	SAIFI	2.22	Forced Outage	1%	1Q 2022
	CAIDI	510	All Other	0%	
	Customer Minutes	901,995			
	Customers Affected	1,770			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	Mar-21
	Protection/Coordination review on Substation breaker/relay settings			Complete	Aug-21
	Substation settings change issued to correct over tripping			Complete	Aug-21
	On cycle tree trimming			Complete	Sep-21
	Repair/replace priority items from overhead circuit inspection			To be completed 2022	75%
Rank	Substation	Circuit	District	Customers	Outages
26	Violet Hill	00527-4	York	1,277	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.57	Trees Off Row-Limb	41%	2Q 2021
	SAIDI	704.63	Trees Off Row-Tree	33%	3Q 2021
	SAIFI	5.88	Forced Outage	13%	4Q 2021
	CAIDI	120	All Other	13%	1Q 2022
	Customer Minutes	899,809			
	Customers Affected	7,506			
	Remedial Action Planned or Taken			Status	Progress
	On cycle Tree Trimming			Complete	May-21
	Joint Planning meeting with AEC for Potential SCADA/Sectionalizing devices			Complete	Sep-21
	Install additional Supervisory Control and Data Acquisition (SCADA)			To be completed 2022	25%
	Circuit Rehabilitation from AEC Metering Point up to upstream recloser			To be completed 2022	50%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
27	North Cornwall	00610-2	Lebanon	2,330	67	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.55	Trees Off Row-Tree	52%	3Q 2021	
	SAIDI	382.13	Forced Outage	23%	4Q 2021	
	SAIFI	2.67	Vehicle	12%	1Q 2022	
	CAIDI	143	All Other	13%		
	Customer Minutes	890,361				
	Customers Affected	6,217				
	Remedial Action Planned or Taken			Status	Progress	
	On cycle Tree Trimming			Complete	Dec-20	
	Overhead circuit inspection			Complete	Oct-21	
	Mainline Circuit Rehabilitation			Complete	Feb-22	
	Rank	Substation	Circuit	District	Customers	Outages
28	Mountain	00742-4	Dillsburg	1,423	48	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.54	Trees Off Row-Limb	49%	2Q 2021	
	SAIDI	622.29	Trees Off Row-Tree	19%	3Q 2021	
	SAIFI	1.82	Wind	17%	4Q 2021	
	CAIDI	342	All Other	15%	1Q 2022	
	Customer Minutes	885,521				
	Customers Affected	2,588				
	Remedial Action Planned or Taken			Status	Progress	
	Repair/Replace high priority items from overhead circuit inspection			Complete	Feb-21	
	On cycle Tree Trimming			To be Completed 2022	0%	
	Rank	Substation	Circuit	District	Customers	Outages
	29	Pleasantville	00142-1	Boyertown	819	91
Reliability		Outage by Cause		Previously Ranked		
SAIDI Impact		1.54	Trees Off Row-Tree	58%	2Q 2021	
SAIDI		1,075.78	Human Error - Company	15%	3Q 2021	
SAIFI		4.16	Vehicle	7%	4Q 2021	
CAIDI		259	All Other	20%	1Q 2022	
Customer Minutes		881,065				
Customers Affected		3,405				
Remedial Action Planned or Taken			Status	Progress		
Targeted forestry inspections (Haas Ln & Mine Rd)			Complete	Jun-21		
Targeted tree trimming (Haas Ln)			Complete	Jul-21		
Targeted tree trimming investigation			Complete	Nov-21		
Targeted tree trimming			Complete	Dec-21		
Overhead circuit inspection			Complete	Jan-22		
Replace mainline reclosers			Complete	Mar-22		

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
30	North Lebanon	00715-2	Lebanon	1,604	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.53	Vehicle	55%	1Q 2022
	SAIDI	545.82	Equipment Failure	22%	
	SAIFI	2.40	Unknown	10%	
	CAIDI	228	All Other	13%	
	Customer Minutes	875,503			
	Customers Affected	3,848			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Dec-21
Rank	Substation	Circuit	District	Customers	Outages
31	Mountain	00743-4	Dillsburg	1,029	57
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.42	Trees Off Row-Tree	92%	2Q 2021
	SAIDI	794.02	Unknown	3%	1Q 2022
	SAIFI	2.21	Trees Off Row-Limb	2%	
	CAIDI	360	All Other	3%	
	Customer Minutes	817,042			
	Customers Affected	2,269			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
32	Belfast	00817-3	Easton	1,020	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.42	Trees Off Row-Tree	66%	3Q 2021
	SAIDI	796.31	Equipment Failure	30%	4Q 2021
	SAIFI	1.84	Vehicle	2%	1Q 2022
	CAIDI	433	All Other	2%	
	Customer Minutes	812,237			
	Customers Affected	1,877			
	Remedial Action Planned or Taken			Status	Progress
	Mainline 34.5 kV forestry aerial patrol			Complete	Jul-21
	Danger tree removal from aerial patrol			Complete	Jul-21
	On cycle tree trimming			Complete	Oct-21
	Replace backlog poles (9 poles)			Complete	Dec-21

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
33	North Cornwall	00611-2	Lebanon	904	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.41	Trees Off Row-Tree	54%	1Q 2022
	SAIDI	894.10	Equipment Failure	24%	
	SAIFI	3.97	Trees Off Row-Limb	9%	
	CAIDI	225	All Other	13%	
	Customer Minutes	808,268			
	Customers Affected	3,591			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Dec-20
	Targeted forestry inspection			Complete	Nov-21
Rank	Substation	Circuit	District	Customers	Outages
34	Angelica	00129-1	Reading	700	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.40	Trees Off Row-Tree	94%	1Q 2022
	SAIDI	1,146.45	Equipment Failure	2%	
	SAIFI	2.02	Unknown	2%	
	CAIDI	568	All Other	3%	
	Customer Minutes	802,513			
	Customers Affected	1,412			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			Complete	Aug-21
Rank	Substation	Circuit	District	Customers	Outages
35	Raubsville St	00079-3	Easton	799	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.37	Trees Off Row-Tree	66%	1Q 2022
	SAIDI	986.74	Equipment Failure	33%	
	SAIFI	3.33	Unknown	1%	
	CAIDI	297	All Other	1%	
	Customer Minutes	788,407			
	Customers Affected	2,659			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Feb-21
Replace backlog poles (10 poles)			To be Completed 2022	25%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
36	Lynnville	00749-1	Hamburg	852	65
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.31	Trees Off Row-Tree	74%	1Q 2022
	SAIDI	881.44	Equipment Failure	17%	
	SAIFI	2.14	Unknown	3%	
	CAIDI	411	All Other	7%	
	Customer Minutes	750,983			
	Customers Affected	1,825			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
37	North Hanover	00505-4	Hanover	1,362	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.27	Lightning	58%	2Q 2021
	SAIDI	536.08	Equipment Failure	18%	1Q 2022
	SAIFI	2.40	Human Error - Company	13%	
	CAIDI	224	All Other	11%	
	Customer Minutes	730,144			
	Customers Affected	3,262			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	May-21
Rank	Substation	Circuit	District	Customers	Outages
38	Ferndale	00076-3	Easton	639	73
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.27	Trees Off Row-Tree	80%	1Q 2022
	SAIDI	1,140.54	Unknown	9%	
	SAIFI	2.22	Trees Off Row-Limb	7%	
	CAIDI	515	All Other	4%	
	Customer Minutes	728,804			
	Customers Affected	1,416			
	Remedial Action Planned or Taken			Status	Progress
	Repair/Replace priority items from overhead circuit inspection			To be Completed 2022	25%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
39	Hill	00737-4	York	2,335	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.27	Trees Off Row-Tree	76%	4Q 2021
	SAIDI	311.61	Equipment Failure	13%	1Q 2022
	SAIFI	2.38	Line Failure	6%	
	CAIDI	131	All Other	5%	
	Customer Minutes	727,610			
	Customers Affected	5,556			
	Remedial Action Planned or Taken			Status	Progress
	On cycle Tree Trimming			Complete	Dec-20
	Install Supervisory Control and Data Acquisition (SCADA)			Complete	Dec-21
	Thermovision and overhead circuit inspection			Complete	Dec-21
	Engineering Circuit Review			Complete	Feb-22

Met-Ed					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	2Q 2021	3Q 2021	4Q 2021	1Q 2022
Adamstown	00755-1	X	X		
Baldy	00736-1	X	X		
Baldy	00738-1	X	X		
Carsonia	00764-1	X	X		
Gardners	00750-4	X		X	
Grantley	00544-4		X	X	
North Bangor	00813-3	X	X	X	
North Bangor	00838-3	X	X	X	
Palmer	00055-3	X	X		
South Hamburg	00741-1		X	X	
Shawnee	00833-3	X	X		
Swatara Hill	00764-2	X	X	X	
Swatara Hill	00766-2	X	X		
Water Gap	00107-3	X		X	

Met-Ed				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Progress of Remedial Work or Date Completed
S Hamb	00740-1	Overhead circuit inspection	To be completed 2022	0%
Hokes	00587-4	On cycle tree trimming	To be completed 2022	0%
Gardners	00750-4	Install Supervisory Control and Data Acquisition (SCADA) (2 Devices)	To be Completed 2022	25%
Hokes	00587-4	Install Supervisory Control and Data Acquisition (SCADA) recloser	To be completed 2022	25%
Swatara Hill	00763-2	On cycle tree trimming	To be completed 2022	92%
Palmer	00658-3	On cycle tree trimming	Complete	Jan-22

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
1	Madera	00166-22	Philipsburg	1,314	65	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	4.43	Trees Off ROW-Tree	96%	2Q 2021	
	SAIDI	1,953.78	Unknown	1%	3Q 2021	
	SAIFI	4.95	Lightning	1%	4Q 2021	
	CAIDI	394.66	All Other	2%	1Q 2022	
	Customer Minutes	2,567,262				
	Customers Affected	6,505				
	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	May-21
	Repair damage caused by trees during a storm				Complete	Aug-21
Rank	Substation	Circuit	District	Customers	Outages	
2	Dubois	00137-23	Dubois	3,006	133	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.86	Trees Off ROW-Tree	89%	2Q 2021	
	SAIDI	743.96	Equipment Failure	3%	3Q 2021	
	SAIFI	2.36	Unknown	2%	4Q 2021	
	CAIDI	314.62	All Other	6%	1Q 2022	
	Customer Minutes	2,236,339				
	Customers Affected	7,108				
	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	Apr-21
	Repair damage caused by trees during a storm				Complete	Aug-21
Install advanced Dx protective devices				Complete	Aug-21	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
3	Russell Hill	00282-65	Montrose	892	62
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.49	Trees Off ROW-Tree	40%	2Q 2021
	SAIDI	2,270.64	Wind	39%	3Q 2021
	SAIFI	4.37	Equipment Failure	13%	4Q 2021
	CAIDI	519.74	All Other	7%	1Q 2022
	Customer Minutes	2,025,414			
	Customers Affected	3,897			
	Remedial Action Planned or Taken			Status	Progress
	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
On cycle tree trimming			To be Completed 2022	0%	
Rank	Substation	Circuit	District	Customers	Outages
4	Knox	00323-51	Oil City	1,280	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.08	Unknown	44%	1Q 2022
	SAIDI	1,393.96	Trees Off ROW-Tree	21%	
	SAIFI	8.75	Equipment Failure	18%	
	CAIDI	159.31	All Other	18%	
	Customer Minutes	1,784,266			
	Customers Affected	11,200			
	Remedial Action Planned or Taken			Status	Progress
	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	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
5	Grover	00527-63	Towanda	1,053	75
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.97	Equipment Failure	59%	2Q 2021
	SAIDI	1,638.06	Vehicle	11%	3Q 2021
	SAIFI	5.31	Trees Off ROW-Tree	11%	4Q 2021
	CAIDI	308.34	All Other	19%	1Q 2022
	Customer Minutes	1,724,875			
	Customers Affected	5,594			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jan-21
	Install advanced Dx protective devices			Complete	May-21
	Targeted circuit rehabilitation			Complete	Jun-21
	Repair equipment failure			Complete	Jun-21
	Repair damage caused by vehicle accident			Complete	Nov-21
Rank	Substation	Circuit	District	Customers	Outages
6	Falls	00297-65	Montrose	758	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.71	Trees Off ROW-Tree	91%	2Q 2021
	SAIDI	2,076.23	Vehicle	4%	3Q 2021
	SAIFI	3.64	Lightning	2%	4Q 2021
	CAIDI	570.21	All Other	3%	1Q 2022
	Customer Minutes	1,573,781			
	Customers Affected	2,760			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice			Complete	Jan-21
	Repair damage caused by trees during a storm			Complete	Mar-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Install advanced Dx protective devices			To be Completed 2022	0%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
7	Marienville	00328-51	Oil City	1,206	57
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.26	Trees Off ROW-Tree	79%	2Q 2021
	SAIDI	1,087.61	Line Failure	10%	3Q 2021
	SAIFI	3.54	Lightning	5%	4Q 2021
	CAIDI	307.39	All Other	6%	1Q 2022
	Customer Minutes	1,311,652			
	Customers Affected	4,267			
	Remedial Action Planned or Taken			Status	Progress
	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
	On cycle tree trimming			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
8	Spangler Sub	00052-72	Altoona	1,309	19
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.13	Trees Off ROW-Tree	73%	2Q 2021
	SAIDI	942.70	Trees Off ROW-Limb	14%	3Q 2021
	SAIFI	3.03	Vehicle	12%	4Q 2021
	CAIDI	311.14	All Other	1%	1Q 2022
	Customer Minutes	1,233,997			
	Customers Affected	3,966			
	Remedial Action Planned or Taken			Status	Progress
	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			To be Completed	0%
Rank	Substation	Circuit	District	Customers	Outages
9	Saxton Sub	00625-73	Altoona	604	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.09	Trees Off ROW-Tree	65%	2Q 2021
	SAIDI	2,009.91	Equipment Failure	19%	3Q 2021
	SAIFI	6.27	Vehicle	10%	4Q 2021
	CAIDI	320.31	All Other	5%	1Q 2022
	Customer Minutes	1,213,983			
	Customers Affected	3,790			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Aug-21
	Repair damage caused by trees during a storm			Complete	Sep-21
	Repair equipment failure			Complete	Mar-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
10	Warren South	00220-41	Warren	2,844	90
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.86	Trees Off ROW-Tree	64%	2Q 2021
	SAIDI	379.00	Line Failure	10%	3Q 2021
	SAIFI	2.22	Unknown	6%	4Q 2021
	CAIDI	170.85	All Other	19%	1Q 2022
	Customer Minutes	1,077,890			
	Customers Affected	6,309			
	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
	Rank	Substation	Circuit	District	Customers
11	Hepburnia	00778-21	Clearfield	669	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.81	Object Contact with Line	83%	1Q 2022
	SAIDI	1,571.89	Trees Off ROW-Tree	14%	
	SAIFI	2.70	Line Failure	2%	
	CAIDI	581.63	All Other	1%	
	Customer Minutes	1,051,593			
	Customers Affected	1,808			
	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
Rank	Substation	Circuit	District	Customers	Outages
12	Piney	00523-51	Oil City	1,503	88
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.81	Trees Off ROW-Tree	39%	2Q 2021
	SAIDI	697.96	Equipment Failure	22%	3Q 2021
	SAIFI	7.17	Animal	12%	4Q 2021
	CAIDI	97.39	All Other	28%	1Q 2022
	Customer Minutes	1,049,034			
	Customers Affected	10,772			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Mar-21
	Repair damage caused by animal			Complete	Jul-21
	Repair equipment failure			Complete	Dec-21
	Install new radio controlled switch			To be Completed 2022	0%
Targeted circuit rehabilitation			Complete	Mar-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
13	Tiffany	00435-65	Montrose	1,567	56
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.78	Lightning	39%	2Q 2021
	SAIDI	658.85	Trees Off ROW-Tree	25%	3Q 2021
	SAIFI	3.99	Line Failure	11%	4Q 2021
	CAIDI	165.29	All Other	1%	1Q 2022
	Customer Minutes	1,032,412			
	Customers Affected	6,246			
	Remedial Action Planned or Taken			Status	Progress
	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
	On cycle tree trimming			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
14	Union City Sub	00206-43	Erie	2,887	115
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.76	Trees Off ROW-Tree	52%	2Q 2021
	SAIDI	352.76	Equipment Failure	19%	3Q 2021
	SAIFI	3.28	Unknown	7%	4Q 2021
	CAIDI	107.40	All Other	22%	1Q 2022
	Customer Minutes	1,018,408			
	Customers Affected	9,482			
	Remedial Action Planned or Taken			Status	Progress
	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
	Repair equipment failure			Complete	Feb-22
	Install new radio controlled switch			Complete	Jan-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
15	Samuel Rea Car Shop	00031-71	Altoona	1,806	14
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.75	Equipment Failure	99%	2Q 2021
	SAIDI	562.86	Animal	1%	3Q 2021
	SAIFI	8.44	Forced Outage	0%	4Q 2021
	CAIDI	66.67	All Other	0%	1Q 2022
	Customer Minutes	1,016,517			
	Customers Affected	15,247			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	May-21
	Repair equipment failure			Complete	May-21
	On cycle tree trimming			To be Completed 2022	0%
	Install advanced Dx protective devices			To be Completed 2022	0%
	Rank	Substation	Circuit	District	Customers
16	Brookville West	00121-23	Dubois	768	45
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.68	Equipment Failure	61%	3Q 2021
	SAIDI	1,268.78	Trees Off ROW-Tree	15%	4Q 2021
	SAIFI	4.44	Forced Outage	13%	1Q 2022
	CAIDI	285.50	All Other	11%	
	Customer Minutes	974,424			
	Customers Affected	3,413			
	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 trimming			To be Completed 2022	0%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
17	N Meshoppen Tran	00531-65	Montrose	462	44
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.67	Trees Off ROW-Tree	68%	3Q 2021
	SAIDI	2,100.42	Lightning	16%	4Q 2021
	SAIFI	8.04	Equipment Failure	9%	1Q 2022
	CAIDI	261.35	All Other	7%	
	Customer Minutes	970,392			
	Customers Affected	3,713			
	Remedial Action Planned or Taken			Status	Progress
	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
	Rank	Substation	Circuit	District	Customers
18	Springboro	00237-52	Meadville	2,754	89
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.66	Line Failure	30%	2Q 2021
	SAIDI	350.29	Equipment Failure	30%	3Q 2021
	SAIFI	2.81	Trees Off ROW-Tree	21%	4Q 2021
	CAIDI	124.75	All Other	19%	1Q 2022
	Customer Minutes	964,707			
	Customers Affected	7,733			
	Remedial Action Planned or Taken			Status	Progress
	Circuit inspection			Complete	May-21
	Repair equipment failure			Complete	Aug-21
	Install advanced Dx protective devices			Complete	Oct-21
	Repair line failure			Complete	Oct-21

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
19	Lake Como	00788-65	Montrose	614	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.64	Trees Off ROW-Tree	85%	3Q 2021
	SAIDI	1,545.82	Equipment Failure	9%	4Q 2021
	SAIFI	2.71	Lightning	3%	1Q 2022
	CAIDI	570.73	All Other	3%	
	Customer Minutes	949,131			
	Customers Affected	1,663			
	Remedial Action Planned or Taken			Status	Progress
	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
On cycle tree trimming			To be Completed 2022	0%	
Rank	Substation	Circuit	District	Customers	Outages
20	Ppl West	PL097-62	Towanda	104	15
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.64	Other Electric Utility	56%	3Q 2021
	SAIDI	9,119.04	Trees Off ROW-Tree	29%	4Q 2021
	SAIFI	10.12	Trees Off ROW-Limb	8%	1Q 2022
	CAIDI	901.50	All Other	8%	
	Customer Minutes	948,380			
	Customers Affected	1,052			
	Remedial Action Planned or Taken			Status	Progress
	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
	Circuit inspection			To be Completed 2022	0%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
21	Seward	00075-11	Johnstown	814	40
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.61	Equipment Failure	71%	2Q 2021
	SAIDI	1,147.65	Trees Off ROW-Limb	17%	3Q 2021
	SAIFI	4.38	Trees Off ROW-Tree	6%	4Q 2021
	CAIDI	262.12	All Other	5%	1Q 2022
	Customer Minutes	934,190			
	Customers Affected	3,564			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	May-21
	Repair damage caused by trees during a storm			Complete	Jun-21
Rank	Substation	Circuit	District	Customers	Outages
22	Crown	00320-51	Oil City	467	44
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.59	Trees Off ROW-Tree	72%	4Q 2021
	SAIDI	1,970.32	Unknown	8%	1Q 2022
	SAIFI	6.77	Trees Off ROW-Limb	7%	
	CAIDI	291.09	All Other	13%	
	Customer Minutes	920,141			
	Customers Affected	3,161			
	Remedial Action Planned or Taken			Status	Progress
	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 trimming			To be Completed 2022	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
23	Tunkhannock	00533-65	Montrose	1,245	81
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.54	Trees Off ROW-Tree	50%	2Q 2021
	SAIDI	718.36	Unknown	21%	3Q 2021
	SAIFI	3.62	Equipment Failure	13%	4Q 2021
	CAIDI	198.22	All Other	16%	1Q 2022
	Customer Minutes	894,358			
	Customers Affected	4,512			
	Remedial Action Planned or Taken			Status	Progress
	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
	Circuit inspection			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
24	Canton	00608-63	Towanda	294	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.52	Trees Off ROW-Tree	79%	1Q 2022
	SAIDI	2,993.02	Equipment Failure	15%	
	SAIFI	3.56	Forced Outage	5%	
	CAIDI	839.65	All Other	2%	
	Customer Minutes	879,948			
	Customers Affected	1,048			
	Remedial Action Planned or Taken			Status	Progress
	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
25	Madera	00165-22	Philipsburg	1,727	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.49	Trees Off ROW-Tree	54%	2Q 2021
	SAIDI	499.73	Lightning	23%	3Q 2021
	SAIFI	3.15	Wind	9%	4Q 2021
	CAIDI	158.62	All Other	14%	1Q 2022
	Customer Minutes	863,028			
	Customers Affected	5,441			
	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

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
26	Cranberry	00350-51	Oil City	1,071	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.45	Line Failure	50%	2Q 2021
	SAIDI	785.10	Trees Off ROW-Tree	26%	3Q 2021
	SAIFI	3.66	Equipment Failure	14%	4Q 2021
	CAIDI	214.55	All Other	10%	1Q 2022
	Customer Minutes	840,837			
	Customers Affected	3,919			
	Remedial Action Planned or Taken			Status	Progress
	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
	On cycle tree trimming			To be Completed 2022	0%
Circuit inspection			To be Completed 2022	0%	
Rank	Substation	Circuit	District	Customers	Outages
27	N Meshoppen Tran	00534-65	Montrose	884	81
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.35	Trees Off ROW-Tree	44%	2Q 2021
	SAIDI	883.51	Equipment Failure	20%	3Q 2021
	SAIFI	1.99	Lightning	19%	4Q 2021
	CAIDI	443.76	All Other	17%	1Q 2022
	Customer Minutes	781,023			
	Customers Affected	1,760			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Jul-21
	Repair equipment failure			Complete	Mar-22
On cycle tree trimming			To be Completed 2022	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
28	Somerset	00031-12	Somerset	2,089	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.34	Unknown	47%	1Q 2022
	SAIDI	371.72	Line Failure	27%	
	SAIFI	2.59	Equipment Failure	14%	
	CAIDI	143.40	All Other	12%	
	Customer Minutes	776,519			
	Customers Affected	5,415			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Nov-21
	Restore breaker operation of unknown cause			Complete	Jan-22
	Repair line failure			Complete	Jan-22
Rank	Substation	Circuit	District	Customers	Outages
29	Fallen Timbers	00995-22	Philipsburg	563	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.32	Trees Off ROW-Tree	56%	2Q 2021
	SAIDI	1,360.85	Line Failure	35%	3Q 2021
	SAIFI	6.85	Unknown	6%	4Q 2021
	CAIDI	198.80	All Other	3%	1Q 2022
	Customer Minutes	766,157			
	Customers Affected	3,854			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	May-21
	Repair line failure			Complete	May-21
	Repair line failure			Complete	Nov-21
Circuit inspection			To be Completed 2022	0%	
Rank	Substation	Circuit	District	Customers	Outages
30	Titusville Sub	00514-51	Oil City	522	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.30	Trees Off ROW-Tree	78%	2Q 2021
	SAIDI	1,442.34	Equipment Failure	9%	3Q 2021
	SAIFI	3.95	Vehicle	9%	4Q 2021
	CAIDI	365.49	All Other	4%	1Q 2022
	Customer Minutes	752,903			
	Customers Affected	2,060			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jun-21
	Repair damage caused by trees			Complete	Nov-21
	Repair equipment failure			Complete	Jan-22
Circuit inspection			To be Completed 2022	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
31	French Road	00219-31	Erie	1,484	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.28	Line Failure	97%	3Q 2021
	SAIDI	498.69	Unknown	1%	4Q 2021
	SAIFI	2.12	Trees Off ROW-Tree	1%	1Q 2022
	CAIDI	235.16	All Other	1%	
	Customer Minutes	740,051			
	Customers Affected	3,147			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Sep-21
	Repair line failure			Complete	Sep-21
	Circuit inspection			To be Completed 2022	0%
	Rank	Substation	Circuit	District	Customers
32	Wyalusing Sub	00532-62	Towanda	734	57
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.23	Lightning	43%	2Q 2021
	SAIDI	971.98	Trees Off ROW-Tree	40%	3Q 2021
	SAIFI	3.64	Equipment Failure	8%	4Q 2021
	CAIDI	266.70	All Other	9%	1Q 2022
	Customer Minutes	713,433			
	Customers Affected	2,675			
	Remedial Action Planned or Taken			Status	Progress
	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
	Circuit inspection			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
33	Spangler Sub	00051-72	Altoona	860	10
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.16	Trees Off ROW-Tree	72%	1Q 2022
	SAIDI	782.65	Line Failure	26%	
	SAIFI	3.81	Forced Outage	2%	
	CAIDI	205.33	All Other	1%	
	Customer Minutes	673,079			
	Customers Affected	3,278			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning			Complete	Feb-22
	Repair line failure			Complete	Mar-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
34	East Pike	00095-13	Indiana	3,288	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.14	Equipment Failure	33%	3Q 2021
	SAIDI	200.21	Trees On ROW	25%	4Q 2021
	SAIFI	1.93	Lightning	19%	1Q 2022
	CAIDI	103.67	All Other	22%	
	Customer Minutes	658,291			
	Customers Affected	6,350			
	Remedial Action Planned or Taken			Status	Progress
	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
	Install advanced Dx protective devices			To be Completed 2022	0%
	Rank	Substation	Circuit	District	Customers
35	Russell Hill	00765-65	Montrose	361	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.13	Equipment Failure	44%	4Q 2021
	SAIDI	1,813.87	Trees Off ROW-Tree	39%	1Q 2022
	SAIFI	4.34	Lightning	8%	
	CAIDI	418.14	All Other	10%	
	Customer Minutes	654,807			
	Customers Affected	1,566			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Mar-21
	Repair damage caused by lightning			Complete	Jul-21
	Repair equipment failure			Complete	Oct-21

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
36	Erie South	00259-31	Erie	2,690	69
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.12	Forced Outage	35%	3Q 2021
	SAIDI	241.34	Trees Off ROW-Tree	28%	4Q 2021
	SAIFI	1.83	Equipment Failure	16%	1Q 2022
	CAIDI	131.74	All Other	22%	
	Customer Minutes	649,212			
	Customers Affected	4,928			
	Remedial Action Planned or Taken			Status	Progress
	Repair broken equipment			Complete	Jul-21
	Repair broken equipment			Complete	Sep-21
	Repair damage caused by tree			Complete	Nov-31
	Repair damage caused by tree during a storm			Complete	Dec-21
	On cycle tree trimming			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
37	Madera	00167-22	Philipsburg	1,629	47
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.11	Unknown	41%	1Q 2022
	SAIDI	394.75	Line Failure	41%	
	SAIFI	2.25	Forced Outage	9%	
	CAIDI	175.17	All Other	9%	
	Customer Minutes	643,047			
	Customers Affected	3,671			
	Remedial Action Planned or Taken			Status	Progress
	Restore recloser operation of unknown cause			Complete	Aug-21
	Repair line failure			Complete	Jan-22
Rank	Substation	Circuit	District	Customers	Outages
38	North Warren	00596-41	Warren	1,125	53
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.09	Trees Off ROW-Tree	45%	2Q 2021
	SAIDI	563.79	Equipment Failure	40%	1Q 2022
	SAIFI	3.48	Unknown	6%	
	CAIDI	161.89	All Other	10%	
	Customer Minutes	634,267			
	Customers Affected	3,918			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Mar-22
	Repair equipment failure			Complete	Mar-22
Repair damage caused by trees			Complete	Feb-22	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
39	East Pike	00096-13	Indiana	2,592	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.07	Equipment Failure	55%	1Q 2022
	SAIDI	240.26	Trees Off ROW-Limb	25%	
	SAIFI	2.52	Trees Off ROW-Tree	17%	
	CAIDI	95.47	All Other	2%	
	Customer Minutes	622,745			
	Customers Affected	6,523			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Aug-21
	Repair equipment failure			Complete	Feb-22
	Targeted circuit rehabilitation			To be Completed 2022	0%
	Rank	Substation	Circuit	District	Customers
40	Natl Forge Sw Sta	00577-41	Warren	1,101	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.03	Trees Off ROW-Tree	75%	2Q 2021
	SAIDI	540.51	Unknown	17%	3Q 2021
	SAIFI	3.30	Equipment Failure	6%	4Q 2021
	CAIDI	163.94	All Other	2%	1Q 2022
	Customer Minutes	595,099			
	Customers Affected	3,630			
	Remedial Action Planned or Taken			Status	Progress
	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	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
41	French Road	00550-31	Erie	1,459	22	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.02	Line Failure	52%	4Q 2021	
	SAIDI	407.22	Equipment Failure	38%	1Q 2022	
	SAIFI	2.68	Lightning	6%		
	CAIDI	152.03	All Other	3%		
	Customer Minutes	594,128				
	Customers Affected	3,908				
	Remedial Action Planned or Taken			Status	Progress	
	Repair equipment failure			Complete	Jun-21	
	Repair equipment due to lightning			Complete	Oct-21	
	Repair line failure			Complete	Dec-21	
	Install advanced Dx protective devices			To be Completed 2022	0%	
	Rank	Substation	Circuit	District	Customers	Outages
42	Tiffany	00440-65	Montrose	1,210	32	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.99	Trees Off ROW-Tree	47%	3Q 2021	
	SAIDI	472.54	Line Failure	24%	4Q 2021	
	SAIFI	5.10	Equipment Failure	18%	1Q 2022	
	CAIDI	92.64	All Other	11%		
	Customer Minutes	571,776				
	Customers Affected	6,172				
	Remedial Action Planned or Taken			Status	Progress	
	Repair equipment failure			Complete	Mar-21	
	Repair damage caused by trees			Complete	Jul-21	
	Repair line failure			Complete	Nov-21	
	Rank	Substation	Circuit	District	Customers	Outages
	43	Thompson	00436-65	Montrose	1,237	58
Reliability		Outage by Cause		Previously Ranked		
SAIDI Impact		0.99	Trees Off ROW-Tree	49%	3Q 2021	
SAIDI		461.97	Line Failure	20%	4Q 2021	
SAIFI		3.15	Equipment Failure	9%	1Q 2022	
CAIDI		146.83	All Other	22%		
Customer Minutes		571,455				
Customers Affected		3,892				
Remedial Action Planned or Taken			Status	Progress		
Repair equipment failure			Complete	Mar-21		
Repair damage caused by trees			Complete	Jul-21		
Repair damage caused by trees			Complete	Sep-21		
Repair line failure			Complete	Nov-21		

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
44	Birmingham	00168-22	Philipsburg	1,108	65
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.97	Trees Off ROW-Tree	60%	2Q 2021
	SAIDI	505.70	Line Failure	33%	1Q 2022
	SAIFI	2.98	Trees Off ROW-Limb	2%	
	CAIDI	169.64	All Other	5%	
	Customer Minutes	560,313			
	Customers Affected	3,303			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jun-21
	Repair line failure			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
45	East Hickory	00200-41	Warren	476	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.96	Trees Off ROW-Tree	87%	2Q 2021
	SAIDI	1,168.66	Line Failure	8%	3Q 2021
	SAIFI	3.93	Animal	1%	4Q 2021
	CAIDI	297.48	All Other	4%	1Q 2022
	Customer Minutes	556,283			
	Customers Affected	1,870			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jun-21
	Repair damage caused by trees during a storm			Complete	Jun-21
Repair line failure			Complete	Dec-21	
Rank	Substation	Circuit	District	Customers	Outages
46	Thompson	00446-65	Montrose	1,141	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.95	Trees Off ROW-Tree	29%	3Q 2021
	SAIDI	482.74	Unknown	28%	4Q 2021
	SAIFI	2.71	Equipment Failure	16%	1Q 2022
	CAIDI	178.14	All Other	26%	
	Customer Minutes	550,801			
	Customers Affected	3,092			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by lightning (unknown)			Complete	Jul-21
	Repair damage caused by trees during a storm			Complete	Jul-21
Repair equipment failure			Complete	Sep-21	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
47	Page Road	00445-43	Erie	658	34
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.93	Trees Off ROW-Tree	90%	1Q 2022
	SAIDI	818.16	Wind	6%	
	SAIFI	4.34	Forced Outage	3%	
	CAIDI	188.70	All Other	1%	
	Customer Minutes	538,351			
	Customers Affected	2,853			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair damage caused by trees			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
48	Glory	00106-13	Indiana	264	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.92	Trees Off ROW-Tree	94%	3Q 2021
	SAIDI	2,030.52	Equipment Failure	2%	1Q 2022
	SAIFI	5.01	Unknown	1%	
	CAIDI	405.18	All Other	3%	
	Customer Minutes	536,058			
	Customers Affected	1,323			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair damage caused by trees			Complete	Sep-21
Repair damage caused by trees during a storm			Complete	Mar-22	
Rank	Substation	Circuit	District	Customers	Outages
49	Blairsville East	00080-13	Indiana	1,552	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.92	Trees Off ROW-Tree	81%	2Q 2021
	SAIDI	343.22	Equipment Failure	9%	3Q 2021
	SAIFI	3.23	Unknown	4%	4Q 2021
	CAIDI	106.22	All Other	5%	1Q 2022
	Customer Minutes	532,676			
	Customers Affected	5,015			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a vehicle			Complete	Mar-21
	Targeted circuit rehabilitation			Complete	May-21
Repair equipment failure			Complete	May-21	
Repair damage caused by trees during a storm			Complete	Jul-21	
Circuit inspection			To be Completed 2022	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
50	East Pike	00094-13	Indiana	1,576	10
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.88	Line Failure	97%	1Q 2022
	SAIDI	324.54	Forced Outage	2%	
	SAIFI	2.19	Equipment Failure	1%	
	CAIDI	147.87	All Other	0%	
	Customer Minutes	511,471			
	Customers Affected	3,459			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Dec-21
	Repair line failure			Complete	Mar-22
Rank	Substation	Circuit	District	Customers	Outages
51	Glen Campbell	00680-21	Clearfield	439	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.87	Trees Off ROW-Tree	76%	3Q 2021
	SAIDI	1,153.87	Equipment Failure	15%	4Q 2021
	SAIFI	8.50	Trees Off ROW-Limb	5%	1Q 2022
	CAIDI	135.80	All Other	4%	
	Customer Minutes	506,548			
	Customers Affected	3,730			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair equipment failure			Complete	Aug-21
Repair damage caused by trees			Complete	Sep-21	
Repair damage caused by trees			Complete	Nov-21	
Rank	Substation	Circuit	District	Customers	Outages
52	Cooper	00069-11	Johnstown	669	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.87	Line Failure	59%	2Q 2021
	SAIDI	753.59	Trees Off ROW-Tree	18%	1Q 2022
	SAIFI	5.01	Equipment Failure	17%	
	CAIDI	150.45	All Other	6%	
	Customer Minutes	504,152			
	Customers Affected	3,351			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	May-21
	Repair equipment failure			Complete	May-21
Repair damage caused by trees during a storm			Complete	Jun-21	
Repair line failure			Complete	Mar-22	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
53	Riverside	00164-81	Lewistown	1,311	25	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.85	Trees Off ROW-Tree	80%	1Q 2022	
	SAIDI	376.87	Vehicle	14%		
	SAIFI	1.77	Equipment Failure	2%		
	CAIDI	212.87	All Other	4%		
	Customer Minutes	494,073				
	Customers Affected	2,321				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees during a storm				Complete	Sep-21
	Repair damage caused by vehicle accident				Complete	Dec-21
	Rank	Substation	Circuit	District	Customers	Outages
54	Meshoppen	00283-65	Montrose	384	15	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.85	Trees Off ROW-Tree	78%	2Q 2021	
	SAIDI	1,275.95	Forced Outage	12%	3Q 2021	
	SAIFI	2.34	Unknown	8%	4Q 2021	
	CAIDI	546.23	All Other	2%	1Q 2022	
	Customer Minutes	489,965				
	Customers Affected	897				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	Mar-21
	Repair damage caused by trees during a storm				Complete	May-21
	Circuit inspection				Complete	Jun-21
Repair damage caused by trees				Complete	Oct-21	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
55	Titusville	00387-51	Oil City	626	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.84	Trees Off ROW-Tree	59%	4Q 2021
	SAIDI	779.63	Trees Off ROW-Limb	24%	1Q 2022
	SAIFI	2.71	Equipment Failure	8%	
	CAIDI	287.59	All Other	9%	
	Customer Minutes	488,046			
	Customers Affected	1,697			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	May-21
	Repair damage caused by trees			Complete	Jun-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair damage caused by trees			Complete	Aug-21
	Repair damage caused by trees			Complete	Oct-21
Repair damage caused by trees			Complete	Nov-21	
Rank	Substation	Circuit	District	Customers	Outages
56	Claysburg	00044-71	Altoona	1,193	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.83	Trees Off ROW-Tree	62%	3Q 2021
	SAIDI	404.84	Forced Outage	16%	4Q 2021
	SAIFI	2.02	Vehicle	15%	1Q 2022
	CAIDI	200.24	All Other	6%	
	Customer Minutes	482,977			
	Customers Affected	2,412			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Jun-21
	Repair broken equipment			Complete	Aug-21
Repair damage caused by vehicle			Complete	Sep-21	

Penelec					
Rank					
57	Tower 51	00051-11	Johnstown	575	27
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.83	Trees Off ROW-Tree	43%	2Q 2021
	SAIDI	839.37	Trees Off ROW-Limb	29%	3Q 2021
	SAIFI	3.99	Equipment Failure	18%	4Q 2021
	CAIDI	210.58	All Other	10%	1Q 2022
	Customer Minutes	482,640			
	Customers Affected	2,292			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	May-21
	Repair damage caused by trees during a storm			Complete	Jun-21
	Repair damage caused by trees during a storm			Complete	Jul-21
	Repair equipment failure			Complete	Aug-21
	On cycle tree trimming			To be Completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
58	Brookville	00125-23	Dubois	563	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.83	Trees Off ROW-Tree	56%	2Q 2021
	SAIDI	850.00	Wind	17%	4Q 2021
	SAIFI	3.72	Forced Outage	14%	1Q 2022
	CAIDI	228.42	All Other	13%	
	Customer Minutes	478,549			
	Customers Affected	2,095			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by vehicle			Complete	Mar-21
	Repair equipment failure			Complete	Mar-21
	Repair damage caused by trees			Complete	Jul-21
	Repair damage caused by trees			Complete	Dec-21
	Repair damage caused by wind			Complete	Mar-22

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
59	Madera	00147-22	Philipsburg	1,055	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.82	Trees Off ROW-Tree	69%	1Q 2022
	SAIDI	452.86	Equipment Failure	16%	
	SAIFI	1.91	Unknown	7%	
	CAIDI	237.11	All Other	8%	
	Customer Minutes	477,768			
	Customers Affected	2,015			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Aug-21
	Repair damage caused by trees			Complete	Oct-21
Rank	Substation	Circuit	District	Customers	Outages
60	Logan	00700-81	Lewistown	1,004	34
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.79	Trees Off ROW-Tree	87%	3Q 2021
	SAIDI	458.52	Forced Outage	9%	4Q 2021
	SAIFI	1.87	Equipment Failure	2%	1Q 2022
	CAIDI	245.39	All Other	2%	
	Customer Minutes	460,353			
	Customers Affected	1,876			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Feb-21
	Repair damage caused by trees during a storm			Complete	Jul-21
Rank	Substation	Circuit	District	Customers	Outages
61	Crown	00519-51	Oil City	664	76
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.79	Trees Off ROW-Tree	56%	2Q 2021
	SAIDI	688.66	Equipment Failure	15%	3Q 2021
	SAIFI	2.73	Trees Off ROW-Limb	10%	4Q 2021
	CAIDI	252.36	All Other	20%	1Q 2022
	Customer Minutes	457,270			
	Customers Affected	1,812			
	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	Jun-21
On cycle tree trimming			Complete	Dec-21	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
62	Wellsboro	00324-63	Mansfield PA	286	26
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.77	Trees Off ROW-Tree	61%	4Q 2021
	SAIDI	1,567.72	Equipment Failure	21%	1Q 2022
	SAIFI	5.93	Unknown	15%	
	CAIDI	264.37	All Other	3%	
	Customer Minutes	448,369			
	Customers Affected	1,696			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment damage			Complete	Jun-21
	Repair damage caused by unknown cause			Complete	Aug-21
	Repair damage caused by trees			Complete	Dec-21

Penelec					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	1Q 2021	2Q 2021	3Q 2021	4Q 2021
Blossburg	00310-63	X	X		
Bradford South	00106-42	X	X		
East Hickory	00201-41	X	X		
East Sayre	00518-61	X	X		
Lewis Run	00408-42	X	X		
Lewis Run	00409-42	X	X		
Mill Street	00144-42	X	X		
Morgan Street	00233-52	X	X		
North Towanda	00521-62		X	X	
North Warren	00596-41	X	X		
Northeast	00592-31	X	X		
Reeder Street	00039-11		X	X	
Scalp Level	00932-11	X	X		
Snakespring	00628-73	X	X	X	
Two Mile	00127-42	X	X		
Union City	00208-43	X	X		
Wellsboro	00325-63		X	X	

Penelec				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Progress of Remedial Work or Date Completed
Greenwood	00041-71	On cycle tree trimming	To be Completed 2022	0%
Philipsburg	00162-22	On cycle tree trimming	To be Completed 2022	0%
Somerset	00013-12	On cycle tree trimming	To be Completed 2022	0%
N Meshoppen	00530-65	Circuit inspection	To be Completed 2022	0%
Portage Sub	00635-72	Circuit inspection	To be Completed 2022	0%
Fairview Altoona	00005-71	Targeted Circuit Rehabilitation	To be Completed 2022	0%
Fairview East	00216-34	Targeted Circuit Rehabilitation	To be Completed 2022	0%
East Sayre	00518-61	Targeted Circuit Rehabilitation	To be Completed 2022	30%
Tionesta	00344-51	Install advanced Dx protective devices	To be Completed 2022	0%
Somerset	00013-12	Install advanced Dx protective devices	To be Completed 2022	0%
Millcreek	00055-11	Install advanced Dx protective devices	To be Completed 2022	0%

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
1	McKnight	W748	Zelienople	1,379	19	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	4.75	Vehicle	71%	1Q 2022	
	SAIDI	576.41	Trees Off ROW-Tree	21%		
	SAIFI	2.02	Line Failure	4%		
	CAIDI	286	All Other	5%		
	Customer Minutes	794,864				
	Customers Affected	2,779				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees				Complete	Jul-21
	Repair damage caused by trees during a storm				Complete	Aug-21
	Repair damage caused by lightning				Complete	Aug-21
	Repair damage caused by a vehicle				Complete	Feb-22
	Rank	Substation	Circuit	District	Customers	Outages
2	Mcdowell	W-121	Clark	698	35	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	4.50	Trees Off ROW-Tree	92%	3Q 2021	
	SAIDI	1,078.92	Unknown	3%	4Q 2021	
	SAIFI	2.66	Lightning	1%	1Q 2022	
	CAIDI	406	All Other	4%		
	Customer Minutes	753,086				
	Customers Affected	1,855				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees during a storm				Complete	Jul-21
	Repair damage caused by trees during a storm				Complete	Jul-21
	Rank	Substation	Circuit	District	Customers	Outages
	3	Ingomar	D620	Zelienople	1,270	16
		Reliability		Outage by Cause		Previously Ranked
SAIDI Impact		4.40	Trees Off ROW-Tree	95%	3Q 2021	
SAIDI		579.15	Animal	2%	4Q 2021	
SAIFI		2.93	Trees Off ROW-Limb	2%	1Q 2022	
CAIDI		198	All Other	2%		
Customer Minutes		735,520				
Customers Affected		3,724				
Remedial Action Planned or Taken				Status	Progress	
Repair damage caused by tree				Complete	Jul-21	
Repair damage caused by trees during a storm				Complete	Aug-21	
Repair damage caused by trees during a storm				Complete	Sep-21	

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
4	Stoneboro	W-131	Clark	1,454	100	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.91	Trees Off ROW-Tree	85%	4Q 2021	
	SAIDI	449.56	Line Failure	8%	1Q 2022	
	SAIFI	1.38	Bird	2%		
	CAIDI	326	All Other	5%		
	Customer Minutes	653,658				
	Customers Affected	2,004				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by animal contact.				Complete	Jun-21
	Repair damage caused by trees during a storm				Complete	Aug-21
	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
Rank	Substation	Circuit	District	Customers	Outages	
5	Seneca	W700	Zelienople	938	42	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.42	Trees Off ROW-Tree	87%	3Q 2021	
	SAIDI	609.50	Line Failure	7%	4Q 2021	
	SAIFI	2.76	Animal	2%	1Q 2022	
	CAIDI	221	All Other	4%		
	Customer Minutes	571,710				
	Customers Affected	2,591				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees during a storm				Complete	Jul-21
	Repair damage caused by trees during a storm				Complete	Sep-21
	Repair line failure				Complete	Feb-22

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
6	Union	W-561	New Castle	1,598	35	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.34	Trees Off ROW-Tree	63%	4Q 2021	
	SAIDI	349.76	Unknown	27%	1Q 2022	
	SAIFI	3.24	Forced Outage	7%		
	CAIDI	108	All Other	3%		
	Customer Minutes	558,912				
	Customers Affected	5,180				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees during a storm				Complete	Jul-21
	Repair damage caused by trees during a storm				Complete	Aug-21
	Forced outage caused by broken Verizon pole				Complete	Aug-21
	Repair damage caused by tree				Complete	Dec-21
	Restore breaker operation of unknown cause during storm.				Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages	
7	Ray Street	D-389	New Castle	1,218	11	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.84	Vehicle	89%	1Q 2022	
	SAIDI	390.09	Trees Off ROW-Tree	5%		
	SAIFI	2.11	Human Error - Company	3%		
	CAIDI	185	All Other	3%		
	Customer Minutes	475,124				
	Customers Affected	2,575				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by a vehicle				Complete	May-21
	Repair damage caused by trees during a storm				Complete	Jul-21
	Repair damage caused by a vehicle				Complete	Mar-22

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
8	Warrendale	D625	Zelienople	1,285	26	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.66	Trees Off ROW-Tree	86%	3Q 2021	
	SAIDI	345.82	Equipment Failure	9%	4Q 2021	
	SAIFI	2.47	Lightning	1%	1Q 2022	
	CAIDI	140	All Other	3%		
	Customer Minutes	444,373				
	Customers Affected	3,178				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree				Complete	Jul-21
	Repair damage caused by trees during a storm				Complete	Aug-21
	Repair damage caused by trees during a storm				Complete	Sep-21
	Repair damage caused by trees during a storm				Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages	
9	Richard	W742	Zelienople	1,548	27	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.59	Trees Off ROW-Tree	61%	1Q 2022	
	SAIDI	279.66	Line Failure	22%		
	SAIFI	1.71	Trees Off ROW-Limb	10%		
	CAIDI	164	All Other	7%		
	Customer Minutes	432,919				
	Customers Affected	2,642				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by tree limbs				Complete	Jun-21
	Repair line failure				Complete	Aug-21
	Repair damage caused by tree				Complete	Mar-21
	Rank	Substation	Circuit	District	Customers	Outages
10	Castlewood	D-326	New Castle	1,185	43	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	2.06	Trees Off ROW-Tree	71%	4Q 2021	
	SAIDI	290.98	Human Error -Non-Company	21%	1Q 2022	
	SAIFI	2.63	Human Error - Company	3%		
	CAIDI	110	All Other	5%		
	Customer Minutes	344,808				
	Customers Affected	3,122				
	Remedial Action Planned or Taken				Status	Progress
	Repair damage caused by trees during a storm				Complete	Jul-21
	Repair damage due to human error (customer brought tree down)				Complete	Sep-21
	Repair damage caused by trees during a storm				Complete	Dec-21
	Repair damage caused by trees during a storm				Complete	Feb-22

Penn Power					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	2Q 2021	3Q 2021	4Q 2021	1Q 2022
Camp Reynolds	W-134	X	X		
Chippewa	D-558	X	X		
Koppel	D-531	X	X		
Mercer	W-167	X	X		
Richard	W745	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	Avella	W Middletown	Washington	1,057	117
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	8.2	Trees off ROW	61%	Q2 2021
	SAIDI	5,623	Ice	14%	Q3 2021
	SAIFI	8.02	Line Failure	8%	Q4 2021
	CAIDI	701	All Other	17%	Q1 2022
	Customer Minutes	5,943,632			
	Customers Affected	8,477			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Jun-21
	Repair damage caused by a vehicle			Complete	Jul-21
	Repair damage caused by wind during a storm			Complete	Oct-21
	Repair damage caused by ice during a storm			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
2	Hickory	Hickory	Washington	945	72
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.9	Unknown	39%	Q1 2022
	SAIDI	4,495	Ice	35%	
	SAIFI	3.41	Trees off ROW	11%	
	CAIDI	1,320	All Other	15%	
	Customer Minutes	4,248,005			
	Customers Affected	3,219			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage during a storm			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
3	Dutch Fork	Claysville	Washington	1,633	95
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.7	Trees off ROW	63%	Q2 2021
	SAIDI	2,510	Unknown	14%	Q3 2021
	SAIFI	2.26	Ice	12%	Q1 2022
	CAIDI	1,111	All Other	11%	
	Customer Minutes	4,099,306			
	Customers Affected	3,689			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a vehicle			Complete	Apr-21
Repair damage caused by a tree			Complete	Sep-21	
Repair damage caused by ice during a storm			Complete	Feb-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
4	Amity	Banetown	Washington	1482	90
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5.3	Trees off ROW	75%	Q2 2021
	SAIDI	2,582	Ice	9%	Q3 2021
	SAIFI	5.44	Trees on ROW	8%	Q4 2021
	CAIDI	475	All Other	8%	Q1 2022
	Customer Minutes	3,826,080			
	Customers Affected	8,057			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	May-21
	Repair damage caused by a tree during a storm			Complete	Aug-21
	Repair damage caused by a tree during a storm			Complete	Dec-21
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Rank	Substation	Circuit	District	Customers
5	Dutch Fork	W Alexander	Washington	1,181	84
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5	Ice	54%	Q1 2022
	SAIDI	3,082	Trees off ROW	33%	
	SAIFI	2.89	Unknown	12%	
	CAIDI	1067	All Other	1%	
	Customer Minutes	3,639,385			
	Customers Affected	3,411			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Feb-22
	Overhead Circuit Inspection			To be completed 2022	46%
Rank	Substation	Circuit	District	Customers	Outages
6	Paris	Paris	Washington	758	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	5	Ice	53%	Q1 2022
	SAIDI	4,782	Trees off ROW	26%	
	SAIFI	2.58	Wind	15%	
	CAIDI	1850	All Other	6%	
	Customer Minutes	3,624,567			
	Customers Affected	1,959			
	Remedial Action Planned or Taken			Status	Progress
Repair damage caused by ice during a storm			Complete	Feb-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
7	Smith	Florence	Washington	803	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.9	Trees off ROW	77%	Q1 2022
	SAIDI	4,388	Ice	16%	
	SAIFI	2.12	Trees on ROW	5%	
	CAIDI	2072	All Other	2%	
	Customer Minutes	3,523,199			
	Customers Affected	1,700			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Overhead Circuit Inspection			To be completed 2022	8%
	Rank	Substation	Circuit	District	Customers
8	Smith	Francis Mine	Washington	1,435	53
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.6	Trees off ROW	96%	Q2 2021
	SAIDI	2311	Trees on ROW	1%	Q3 2021
	SAIFI	2.75	Line Failure	1%	Q4 2021
	CAIDI	839	All Other	2%	Q1 2022
	Customer Minutes	3,316,340			
	Customers Affected	3,953			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Jun-21
	On cycle tree trimming			Complete	Aug-21
	Repair damage caused by a tree			Complete	Sep-21
	Repair line failure			Complete	Nov-21
	Repair damage caused by a tree during a storm			Complete	Feb-22

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
9	Rutan	Bistoria	Jefferson	1,122	111
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	4.5	Trees off ROW	76%	Q2 2021
	SAIDI	2934	Unknown	10%	Q3 2021
	SAIFI	4.3	Line Failure	6%	Q4 2021
	CAIDI	683	All Other	8%	Q1 2022
	Customer Minutes	3,292,203			
	Customers Affected	4,820			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage during a storm			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Aug-21
	Restore unknown outage			Complete	Dec-21
	Repair damage caused by a tree			Complete	Jan-22
	Zone 1 Infrared Inspection			To be completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
10	Donegal	Bear Rocks	Pleasant Valley	1,276	59
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.5	Trees off ROW	95%	Q1 2022
	SAIDI	1966	Line Failure	2%	
	SAIFI	2.14	Lightning	1%	
	CAIDI	918	All Other	2%	
	Customer Minutes	2,509,046			
	Customers Affected	2,734			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Zone 1 Infrared Inspection			To be completed 2022	0%
	Rank	Substation	Circuit	District	Customers
11	Treveskyn	Treveskyn	Boyce	1,489	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	3.4	Trees off ROW	97%	Q3 2021
	SAIDI	1642	Line Failure	2%	Q4 2021
	SAIFI	2.47	Forced Outage	1%	Q1 2022
	CAIDI	664	All Other	0%	
	Customer Minutes	2,445,019			
	Customers Affected	3,681			
	Remedial Action Planned or Taken			Status	Progress
	Overhead Circuit Inspection			Complete	Apr-21
	Repair damage caused by a tree during a storm			Complete	Aug-21
Repair damage caused by a tree during a storm			Complete	Dec-21	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
12	Midway	Midway	Washington	937	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.8	Trees on ROW	44%	Q1 2022
	SAIDI	2141	Trees off ROW	22%	
	SAIFI	3.02	Line Failure	17%	
	CAIDI	708	All Other	17%	
	Customer Minutes	2,006,418			
	Customers Affected	2,834			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
13	Avella	Penowa	Washington	627	69
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.6	Trees off ROW	51%	Q2 2021
	SAIDI	3052	Ice	23%	Q3 2021
	SAIFI	4.06	Unknown	16%	Q4 2021
	CAIDI	752	All Other	10%	Q1 2022
	Customer Minutes	1,913,698			
	Customers Affected	2,545			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Jun-21
	Restore unknown outage during a storm			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Jul-21
	Repair damage caused by a tree during a storm			Complete	Dec-21
Repair damage caused by ice during a storm			Complete	Feb-22	
Rank	Substation	Circuit	District	Customers	Outages
14	North Fayette	Tyre	Boyce	1815	79
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.6	Trees off ROW	30%	Q1 2022
	SAIDI	1034	Ice	25%	
	SAIFI	2.79	Unknown	18%	
	CAIDI	371	All Other	27%	
	Customer Minutes	1,876,873			
	Customers Affected	5,055			
	Remedial Action Planned or Taken			Status	Progress
Restore unknown outage			Complete	Feb-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
15	Hickory	Fort Cherry	Washington	1,040	57
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.5	Trees off ROW	75%	Q1 2022
	SAIDI	1728	Unknown	12%	
	SAIFI	3.45	Equipment Failure	11%	
	CAIDI	501	All Other	2%	
	Customer Minutes	1,797,197			
	Customers Affected	3,586			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
16	Karns City	Kaylor	Butler	1152	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.4	Trees off ROW	82%	Q2 2021
	SAIDI	1,526	Line Failure	8%	Q3 2021
	SAIFI	3.69	Equipment Failure	7%	Q4 2021
	CAIDI	413	All Other	3%	Q1 2022
	Customer Minutes	1,757,900			
	Customers Affected	4,255			
	Remedial Action Planned or Taken			Status	Progress
	Zone 1 Infrared Inspection			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Apr-21
	Repair line failure			Complete	Sep-21
	Restore unknown outage			Complete	Oct-21
	Repair equipment failure during a storm			Complete	Mar-22
Rank	Substation	Circuit	District	Customers	Outages
17	Waterville	Waterville	State College	357	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.3	Other Electric Utility	59%	Q2 2021
	SAIDI	4763	Trees off ROW	41%	Q3 2021
	SAIFI	12.39	All Other	0%	Q4 2021
	CAIDI	384			Q1 2022
	Customer Minutes	1,700,276			
	Customers Affected	4,425			
	Remedial Action Planned or Taken			Status	Progress
	Restore outage caused by other electric utility			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Jul-21
	Repair damage caused by a tree			Complete	Dec-21
	Overhead Circuit Inspection			Complete	Mar-22
Restore outage caused by other electric utility during a storm			Complete	Mar-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
18	Cecil	Bishop	Boyce	1,920	52
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.1	Trees on ROW	78%	Q1 2022
	SAIDI	791	Trees off ROW	19%	
	SAIFI	3.55	Line Failure	1%	
	CAIDI	223	All Other	2%	
	Customer Minutes	1,518,206			
	Customers Affected	6,820			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
19	Gordon	Wolfdale	Washington	2085	60
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2	Trees off ROW	79%	Q3 2021
	SAIDI	697	Ice	8%	Q4 2021
	SAIFI	2.01	Line Failure	4%	Q1 2022
	CAIDI	346	All Other	9%	
	Customer Minutes	1,452,620			
	Customers Affected	4,195			
	Remedial Action Planned or Taken			Status	Progress
	Overhead circuit inspection			Complete	May-21
Repair damage caused by a tree during a storm			Complete	Aug-21	
Repair line failure			Complete	Oct-21	
Repair damage caused by a tree during a storm			Complete	Feb-22	
Rank	Substation	Circuit	District	Customers	Outages
20	Franklin	Rogersville	Jefferson	831	79
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2	Trees off ROW	94%	Q2 2021
	SAIDI	1722	Equipment Failure	3%	Q3 2021
	SAIFI	3.49	Unknown	1%	Q4 2021
	CAIDI	493	All Other	2%	Q1 2022
	Customer Minutes	1,431,033			
	Customers Affected	2,903			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	May-21
Repair equipment failure			Complete	Aug-21	
Repair damage caused by a tree			Complete	Nov-21	
Repair damage caused by a tree during a storm			Complete	Feb-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
21	Vandergrift	Grifflo Park	Arnold	2736	63
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.8	Trees off ROW	90%	Q2 2021
	SAIDI	487	Trees on ROW	6%	Q3 2021
	SAIFI	2.39	Equipment Failure	2%	Q4 2021
	CAIDI	204	All Other	2%	Q1 2022
	Customer Minutes	1,333,449			
	Customers Affected	6,531			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Aug-21
	Repair damage caused by a tree			Complete	Oct-21
	Repair equipment failure			Complete	Jan-22
Rank	Substation	Circuit	District	Customers	Outages
22	Vestaburg	Fredericktown	Jefferson	818	6
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.8	Trees off ROW	60%	Q1 2022
	SAIDI	1626	Line Failure	39%	
	SAIFI	1.94	Equipment Failure	1%	
	CAIDI	838	All Other	0%	
	Customer Minutes	1,330,233			
	Customers Affected	1,588			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure during a storm			Complete	Feb-22
Rank	Substation	Circuit	District	Customers	Outages
23	Piney Fork	Gillhall	Charleroi	2,202	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.8	Line Failure	41%	Q2 2021
	SAIDI	598	Vehicle	36%	Q3 2021
	SAIFI	1.8	Trees off ROW	12%	Q4 2021
	CAIDI	332	All Other	11%	Q1 2022
	Customer Minutes	1,316,372			
	Customers Affected	3,963			
	Remedial Action Planned or Taken			Status	Progress
	Zone 1 Infrared Inspection			Complete	May-21
Repair damage caused by a tree during a storm			Complete	Jun-21	
Repair line failure			Complete	Aug-21	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
24	Thomas	Thomas	Boyce	1,350	50
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.8	Trees off ROW	52%	Q2 2021
	SAIDI	963	Vehicle	28%	Q3 2021
	SAIFI	3.09	Unknown	13%	Q4 2021
	CAIDI	311	All Other	7%	Q1 2022
	Customer Minutes	1,299,476			
	Customers Affected	4,178			
	Remedial Action Planned or Taken			Status	Progress
	Forced outage to repair damage during a storm			Complete	Jun-21
	Repair damage caused by a vehicle during a storm			Complete	Jul-21
	Repair damage caused by a tree during a storm			Complete	Dec-21
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Overhead Circuit Inspection			To be completed 2022	15%
Rank	Substation	Circuit	District	Customers	Outages
25	Robbins	Balkan	Jeannette	1,718	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.8	Trees off ROW	67%	Q3 2021
	SAIDI	750	Trees on ROW	30%	Q4 2021
	SAIFI	2.53	Line Failure	2%	Q1 2022
	CAIDI	297	All Other	1%	
	Customer Minutes	1,287,965			
	Customers Affected	4,342			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Aug-21
	On cycle tree trimming			Complete	Sep-21
	Repair line failure			Complete	Nov-21
	Repair line failure			Complete	Feb-22

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
26	Saltsburg	Saltsburg	Arnold	1,407	61
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.7	Trees off ROW	50%	Q3 2021
	SAIDI	874	Equipment Failure	23%	Q4 2021
	SAIFI	4.79	Line Failure	17%	Q1 2022
	CAIDI	182	All Other	10%	
	Customer Minutes	1,229,637			
	Customers Affected	6,739			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Jul-21
	Repair equipment failure during a storm			Complete	Dec-21
	Repair damage caused by a tree during a storm			Complete	Feb-22
	Rank	Substation	Circuit	District	Customers
27	Cecil	Murray Hill	Boyce	1,789	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.6	Trees off ROW	91%	Q3 2021
	SAIDI	667	Equipment Failure	5%	Q4 2021
	SAIFI	2.22	Trees on ROW	3%	Q1 2022
	CAIDI	301	All Other	1%	
	Customer Minutes	1,192,536			
	Customers Affected	3,963			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Aug-21
	Repair equipment failure			Complete	Oct-21
	Repair equipment failure			Complete	Jan-22
	Rank	Substation	Circuit	District	Customers
28	Flintstone	Chaneyville	Hyndman	577	40
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.6	Trees off ROW	69%	Q3 2021
	SAIDI	2062	Trees on ROW	27%	Q4 2021
	SAIFI	5.17	Line Failure	3%	Q1 2022
	CAIDI	399	All Other	1%	
	Customer Minutes	1,189,609			
	Customers Affected	2,981			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Aug-21
	Repair damage caused by a tree			Complete	Oct-21
	On cycle tree trimming			Complete	Dec-21
	Repair line failure			Complete	Jan-22

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
29	Bethel Park	Dashwood	Boyce	2,162	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.6	Trees off ROW	64%	Q3 2021
	SAIDI	542	Trees on ROW	20%	Q4 2021
	SAIFI	1.98	Vehicle	7%	Q1 2022
	CAIDI	273	All Other	9%	
	Customer Minutes	1,171,479			
	Customers Affected	4,291			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Aug-21
	Repair line failure			Complete	Oct-21
	On cycle tree trimming			Complete	Dec-21
	Rank	Substation	Circuit	District	Customers
30	Crossgates	Peters Twp	Boyce	1,064	18
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.6	Line Failure	82%	Q4 2021
	SAIDI	1069	Trees off ROW	15%	Q1 2022
	SAIFI	1.67	Equipment Failure	1%	
	CAIDI	640	All Other	2%	
	Customer Minutes	1,137,204			
	Customers Affected	1,777			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Oct-21
	Repair line failure			Complete	Jan-22
Rank	Substation	Circuit	District	Customers	Outages
31	Port Matilda	Port Matilda	State College	1,442	57
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.5	Trees off ROW	71%	Q2 2021
	SAIDI	733	Equipment Failure	21%	Q3 2021
	SAIFI	3.18	Vehicle	6%	Q4 2021
	CAIDI	230	All Other	2%	Q1 2022
	Customer Minutes	1,057,539			
	Customers Affected	4,591			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Jun-21
	Repair equipment failure			Complete	Aug-21
	Overhead circuit inspection			Complete	Oct-21
	Repair equipment failure			Complete	Oct-21
Repair damage caused by a tree			Complete	Feb-22	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
32	Quincy	South Mountain	Waynesboro	865	17
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.4	Trees off ROW	97%	Q1 2022
	SAIDI	1195	Trees on ROW	1%	
	SAIFI	3.99	Unknown	1%	
	CAIDI	299	All Other	1%	
	Customer Minutes	1,033,639			
	Customers Affected	3,454			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Mar-22
Rank	Substation	Circuit	District	Customers	Outages
33	Graysville	Graysville	Jefferson	556	44
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.4	Trees off ROW	78%	Q4 2021
	SAIDI	1806	Wind	10%	Q1 2022
	SAIFI	2.35	Animal	8%	
	CAIDI	770	All Other	4%	
	Customer Minutes	1,004,097			
	Customers Affected	1,304			
	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	
Overhead Circuit Inspection			To be completed 2022	0%	
Rank	Substation	Circuit	District	Customers	Outages
34	Peters	Library	Boyce	1843	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.4	Trees off ROW	44%	Q1 2022
	SAIDI	540	Unknown	42%	
	SAIFI	2.77	Line Failure	12%	
	CAIDI	195	All Other	2%	
	Customer Minutes	995,233			
	Customers Affected	5,096			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Mar-22
Zone 1 Infrared Inspection			To be completed 2022	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
35	Houston	Pristine	Washington	983	29
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.3	Ice	39%	Q1 2022
	SAIDI	985	Trees off ROW	29%	
	SAIFI	2.38	Line Failure	15%	
	CAIDI	414	All Other	17%	
	Customer Minutes	967,842			
	Customers Affected	2,337			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by ice during a storm			Complete	Feb-22
	Overhead Circuit Inspection			To be completed 2022	19%
Rank	Substation	Circuit	District	Customers	Outages
36	New Kensington	Power	Arnold	1,514	15
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.3	Vehicle	81%	Q4 2021
	SAIDI	618	Equipment Failure	14%	Q1 2022
	SAIFI	2.32	Trees off ROW	5%	
	CAIDI	267	All Other	0%	
	Customer Minutes	935,368			
	Customers Affected	3,509			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Dec-21
	Zone 1 Infrared Inspection			To be completed 2022	0%
Rank	Substation	Circuit	District	Customers	Outages
37	Saltsburg	Bell Township	Arnold	756	31
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.2	Trees off ROW	73%	Q1 2022
	SAIDI	1175	Unknown	16%	
	SAIFI	2.6	Trees on ROW	6%	
	CAIDI	452	All Other	5%	
	Customer Minutes	888,175			
	Customers Affected	1,965			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Mar-22

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
38	North Union	Phillips	Uniontown	1471	35
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.2	Trees off ROW	76%	Q4 2021
	SAIDI	593	Wind	11%	Q1 2022
	SAIFI	3.13	Line Failure	6%	
	CAIDI	189	All Other	7%	
	Customer Minutes	872,621			
	Customers Affected	4,607			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	Dec-21
	Repair damage caused by wind during a storm			Complete	Feb-22
	Rank	Substation	Circuit	District	Customers
39	Enlow	Summit	Boyce	1804	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees off ROW	59%	Q2 2021
	SAIDI	452	Trees on ROW	37%	Q3 2021
	SAIFI	2.78	Line Failure	2%	Q4 2021
	CAIDI	163	All Other	2%	Q1 2022
	Customer Minutes	815,902			
	Customers Affected	5,013			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Jun-21
	Repair damage caused by a tree during a storm			Complete	Aug-21
	Repair line failure			Complete	Oct-21
Repair damage caused by a tree during a storm			Complete	Feb-22	
Rank	Substation	Circuit	District	Customers	Outages
40	Cooperstown	Twin Willows	Butler	1839	40
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees off ROW	47%	Q4 2021
	SAIDI	432	Trees on ROW	25%	Q1 2022
	SAIFI	4.85	Unknown	21%	
	CAIDI	89	All Other	7%	
	Customer Minutes	795,276			
	Customers Affected	8,926			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Dec-21

West Penn					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	2Q 2021	3Q 2021	4Q 2021	1Q 2022
Atherton	East Residential	X		X	
Crossgates	Robinhood	X	X	X	
Driftwood	Driftwood	X	X	X	
Dry Run	Town	X	X	X	
Fountaindale	Carroll Valley		X	X	
Fowler	Bald Eagle		X	X	
Frazier	Star Junction	X	X		
King Farm	Church St.		X	X	
Marvindale	Clermont	X	X		
Pangburn Hill	Pangburn Hill	X	X		
Robbins	Rillton	X	X		
Salem	Greenvillage	X		X	
Sardis	Mamont	X	X		
Shingletown	Windmill Rd		X	X	
Smithton	Fitzhenry	X		X	
Weedville	Weedville	X	X	X	

West Penn				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned	Status of Remedial Work	Progress of Remedial Work
Bethlen	Darlington	On cycle tree trimming	Complete	Jan-22
Charleroi	N. Charleroi	Overhead circuit inspection	In Progress	15%
Crossgates	Robinhood	Overhead circuit inspection	In Progress	30%
Mateer	Dime Rd	Overhead circuit inspection	In Progress	0%

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

Met-Ed –Third Party Line Hit Incidents			
1st Quarter 2022 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	5	\$1,200	\$0
Excavated in Tolerance	19	\$24,508	\$0
Excavation Inconsistent with Ticket Scope	4	\$3,151	\$0
Excavation Prior to Lawful Start Date	1	\$4,853	\$0
Expired Ticket	4	\$4,530	\$0
Hand Digging	0	\$0	\$0
Marked Improperly	13	\$93,432	\$14,217
No Ticket	19	\$52,693	\$15,325
Total	65	\$184,367	\$29,542

Penelec – Third Party Line Hit Incidents			
1st Quarter 2022 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	10	\$14,580	\$0
Excavated in Tolerance	22	\$21,347	\$2,537
Excavation Inconsistent with Ticket Scope	1	\$1,141	\$0
Excavation Prior to Lawful Start Date	2	\$0	\$0
Expired Ticket	2	\$15,583	\$0
Hand Digging	0	\$0	\$0
Marked Improperly	32	\$112,177	\$14,990
No Ticket	21	\$29,596	\$3,476
Total	90	\$194,424	\$21,003

Penn Power – Third Party Line Hit Incidents			
1st Quarter 2022 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	4	0	0
Excavated in Tolerance	9	5,366	154
Excavation Inconsistent with Ticket Scope	4	2,485	0
Excavation Prior to Lawful Start Date	1	0	0
Expired Ticket	2	122	0
Hand Digging	0	0	0
Marked Improperly	3	14,220	0
No Ticket	5	2,079	0
Total	28	24,272	154

West Penn – Third Party Line Hit Incidents			
1st Quarter 2022 12-Month Rolling			
Cause of Line Hit	Number of Incidents	Invoice Amount (\$)	Recovery Amount (\$)
Dig In - Other	9	\$17,457	\$0
Excavated in Tolerance	17	\$22,057	\$500
Excavation Inconsistent with Ticket Scope	4	\$8,504	\$0
Excavation Prior to Lawful Start Date	1	\$263	\$0
Expired Ticket	3	\$9,889	\$5,657
Hand Digging	2	\$0	\$0
Marked Improperly	23	\$105,407	\$5,845
No Ticket	27	\$51,011	\$12,055
Total	86	\$214,588	\$24,057

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

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Joint 1st Quarter 2022 Reliability Report – :
Metropolitan Edison Company, :
Pennsylvania Electric Company : **Docket No. M-2016-2522508**
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:

Steven Gray
Office of Small Business Advocate
Suite 1102, Commerce Building
300 North Second Street
Harrisburg, PA 17101
sgray@pa.gov

Patrick Cicero
Office of Consumer Advocate
555 Walnut Street – 5th Floor
Harrisburg, PA 17101-1923
pcicero@paoca.org

Richard A. Kanaskie
Bureau of Investigation & Enforcement
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265
Rkanaskie@pa.gov

Scott Rubin
Utility Workers Union of America
333 Oak Lane
Bloomsburg, PA 17815-2036
scott.j.rubin@gmail.com

Charles E. Thomas, III, Corporate Counsel
Charles_Thomas@ccsenergy.com

Rich Geosits, Manager, Power Delivery
Rich_Geosits@ccsenergy.com

Dated: April 29, 2022



Tori L. Giesler
Attorney No. 207742
FirstEnergy Service Company
2800 Pottsville Pike
P.O. Box 16001
Reading, Pennsylvania 19612-6001
(610) 921-6658
tgiesler@firstenergycorp.com

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