

Teresa K. Harrold, Esq.  
(610) 921-6783  
(330) 315-9263 (Fax)

October 30, 2020

**VIA E-FILING**

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

**Re: Joint 3<sup>rd</sup> Quarter 2020 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 3<sup>rd</sup> Quarter 2020 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,



Teresa Harrold

Enclosures

- c: As Per Certificate of Service
- D. Searfoorce - Bureau of Technical Utility Services (via email)
- D. Washko – Bureau of Technical Utility Services (via email)
- J. Van Zant – Bureau of Technical Utility Services (via email)



## Joint 2020 3<sup>rd</sup> Quarter Reliability Report

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

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

**Joint 3<sup>rd</sup> Quarter 2020 Reliability Report –  
Metropolitan Edison Company (“Met-Ed”),  
Pennsylvania Electric Company (“Penelec”),  
Pennsylvania Power Company (“Penn Power”), and  
West Penn Power Company (“West Penn”)**

*Section 57.195(e)(1): A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.<sup>1</sup>*

*Major Event(s)*

FirstEnergy Company	Customers Affected	Time and Duration of the Event		Cause of the Event	Commission Approval Status
<b>Met-Ed</b>	101,559	Duration	105 hours, 42 minutes	Tropical Storm Isaias	Approved September 29, 2020
		Start Date/Time	August 4, 2020 0910		
		End Date/Time	August 8, 2020 1852		

---

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

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

*Reliability Index Values*

3Q 2020 (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
<b>SAIFI</b>	1.15	1.38	1.42	1.26	1.52	1.60	1.12	1.34	1.02	1.05	1.26	1.14
<b>CAIDI</b>	117	140	145	117	141	146	101	121	161	170	204	203
<b>SAIDI</b>	135	194	205	148	213	235	113	162	164	179	257	231
<b>MAIFI<sup>2</sup></b>			0.796			0.579			0.013			
<b>Customers Served<sup>3</sup></b>	568,155			579,193			164,677			719,454		
<b>Number of Sustained Interruptions</b>	12,412			14,073			3,220			12,967		
<b>Customers Affected</b>	806,604			929,039			168,404			820,377		
<b>Customer Minutes</b>	116,695,606			136,022,188			27,028,954			166,397,467		
<b>Number of Customer Momentary Interruptions</b>	453,442			355,572			2,188					

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

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

### **Unique Events Occurring in 3Q 2020:**

#### Met-Ed

- On the afternoon of Wednesday, July 22, 2020, thunderstorms moved through the Met-Ed service territory. The storms produced rain, lightning, and damaging winds with gusts of approximately 51 miles per hour. The reliability impact of the storm was 8.3 minutes of System Average Interruption Duration Index (“SAIDI”), 0.01 of System Average Interruption Frequency Index (“SAIFI”), and an overall storm Customer Average Interruption Duration Index (“CAIDI”) of 143.41 minutes.
- On Tuesday, August 4, 2020, Tropical Storm Isaias moved through the Met-Ed service territory. The storm produced heavy rain, lightning, and damaging winds with gusts of approximately 53 miles per hour. Parts of the Met-Ed territory received up to seven inches of rain in a 24-hour period. In addition, the National Weather Service confirmed tornadoes in Bucks and Montgomery counties. Estimated maximum windspeed associated with these tornadoes was 115 mph and 80 mph, respectively. The reliability impact of the storm was 112.6 minutes of SAIDI, 0.2 of SAIFI, and an overall storm CAIDI of 629.18 minutes.
- Beginning Thursday evening August 27, 2020, and continuing through Friday, August 28, 2020, thunderstorms moved across Pennsylvania, including the Met-Ed service territory. These thunderstorms produced heavy rain, lightning, and damaging winds with wind gusts up to 58 miles per hour. The reliability impact of the storm was 7.8 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 261.1 minutes.

#### Penelec

- Beginning the afternoon of Thursday, August 27, 2020, thunderstorms moved through Pennsylvania, including the Penelec service territory. The thunderstorms produced rain, lightning, and damaging winds with gusts of approximately 66 miles per hour. Damage as a result of the storms included downed trees and power lines, multiple circuit lock outs, and broken poles, crossarms, and cutouts. The reliability impact of the storm was 31.7 minutes of SAIDI, 0.1 of SAIFI, and an overall storm CAIDI of 380.32 minutes.
- Beginning the morning of Monday, September 7, 2020, thunderstorms moved through northwestern Pennsylvania, including the Penelec service territory. The thunderstorms produced rain, lightning, and damaging winds with gusts of approximately 38 miles per hour. Damage as a result of the storms included downed trees and power lines, multiple circuit lock outs, and broken poles, crossarms, and cutouts. The reliability impact of the storm was 8.1 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 217.48 minutes.

## West Penn

- Beginning in the late morning on Friday, July 10, 2020, and continuing through mid-afternoon on Saturday, July 11, 2020, scattered thunderstorms moved through Pennsylvania, including the West Penn service territory. These thunderstorms caused heavy rain, lightning, and wind gusts up to 57 miles per hour in the West Penn service territory. Damage as a result of the storms included downed trees and power lines, damaged and broken poles, transformers, crossarms, and cutouts. The reliability impact of the storm was 8.3 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 316.43 minutes.
- Beginning the afternoon of Thursday, August 27, 2020, and continuing through Friday, August 28, 2020, scattered thunderstorms moved through Pennsylvania, including the West Penn service territory. These thunderstorms produced heavy rain, lightning, and damaging wind with gusts up to 66 miles per hour. Damage as a result of the storms included downed trees and power lines, damaged and broken poles, transformers, crossarms, and cutouts. The reliability impact of the storm was 12.9 minutes of SAIDI, 0.06 of SAIFI, and an overall storm CAIDI of 208.72 minutes.
- At approximately 8:30 a.m. on Wednesday, September 30, 2020, a pole fire caused by a failed insulator, resulted in an outage on the Emmaville-Mattie 12.5kV circuit. At 9:00 a.m., the Warfordsburg-McConnellsburg 34.5kV circuit, which is overbuilt the Emmaville-Mattie line, was taken out of service as a safety precaution. Approximately 1,819 West Penn customers were affected by this outage. In addition, a number of tree-caused outages were experienced in multiple areas of the West Penn service territory resulting in several additional extended outages. The reliability impact of these outages was 2.1 minutes of SAIDI, 0.01 SAIFI, and an overall CAIDI of 343.33.

*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				
3rd Quarter 2020 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	51,816,763	2,563	202,595	44.40%
Equipment failure	22,646,969	2,678	229,531	19.41%
Trees off ROW - limb	6,633,766	563	38,298	5.68%
Vehicle	6,399,589	311	42,463	5.48%
Unknown	6,072,783	1,326	57,062	5.20%
Line failure	5,213,165	663	27,356	4.47%
Forced outage	3,855,908	451	74,463	3.30%
Animal	2,994,959	1,931	33,877	2.57%
Human error - company	2,464,325	85	37,009	2.11%
Trees on ROW	1,746,334	200	7,286	1.50%
Lightning	1,418,569	192	16,341	1.22%
Bird	1,320,226	495	8,770	1.13%
Wind	969,723	64	4,305	0.83%
Object contact with line	831,029	54	6,234	0.71%
Trees - sec/service	650,246	535	1,581	0.56%
Ice	495,421	24	1,293	0.42%
Overload	487,443	72	4,586	0.42%
Human error - non-company	424,083	86	3,477	0.36%
Customer equipment	94,295	39	7,540	0.08%
Other utility - non-electric	52,096	7	547	0.04%
Other electric utility	42,479	6	893	0.04%
UG dig-up	23,530	26	98	0.02%
Fire	14,997	10	674	0.01%
Previous lightning	11,158	25	41	0.01%
Vandalism	10,044	3	62	0.01%
Contamination	3,960	2	28	0.00%
Switching error	1,746	1	194	0.00%
<b>Total</b>	<b>116,695,606</b>	<b>12,412</b>	<b>806,604</b>	<b>100%</b>

### Proposed Solutions – Met-Ed

Met-Ed analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending September 30, 2020, and associated actions designed to address these outage causes.

To address outages caused by trees, Met-Ed performs cycle-based tree trimming and enhanced tree trimming in select locations. Enhanced tree trimming removes healthy limbs overhanging primary conductors. Met-Ed's options under the law are strictly limited when it comes to all forms of off-right-of-way ("ROW") tree management. However, Met-Ed is legally permitted to identify priority off-ROW trees that are dead, dying, diseased, leaning, and significantly encroaching the corridor and remove those trees when customer consent is obtained or easement rights permit. Met-Ed is very active in pursuing this option, where available. Trees identified as a potential cause of a future outage are removed to prevent an interruption of electrical service to Met-Ed's customers. Met-Ed continues its program to mitigate trees subject to damage from the Emerald Ash Borer.

To reduce the likelihood of equipment failure outages, Met-Ed follows inspection and maintenance ("I&M") programs 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.

Outages by Cause – Penelec

<b>Outage by Cause</b>				
<b>3rd Quarter 2020 12-Month Rolling</b>	<b>Penelec</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Customer Minutes</b>
Trees off ROW - tree	53,619,641	1,865	214,609	39.42%
Equipment failure	23,657,586	2,647	220,204	17.39%
Line failure	18,053,472	1,724	137,236	13.27%
Unknown	9,973,758	1,913	72,138	7.33%
Forced outage	7,062,043	1,108	67,529	5.19%
Lightning	5,908,983	467	44,639	4.34%
Vehicle	4,659,489	290	32,936	3.43%
Animal	3,790,757	1,847	39,916	2.79%
Trees off ROW - limb	2,724,731	355	28,274	2.00%
Human error - company	1,080,968	63	30,195	0.79%
Trees - sec/service	971,239	759	2,494	0.71%
Bird	943,581	441	11,619	0.69%
Ice	943,460	60	3,114	0.69%
Other electric utility	714,745	121	3,522	0.53%
Human error - non-company	514,087	86	4,263	0.38%
Object contact with line	394,458	41	3,837	0.29%
Overload	238,085	42	3,939	0.18%
Trees on ROW	218,899	88	2,803	0.16%
Wind	107,515	8	285	0.08%
Customer equipment	103,351	20	1,939	0.08%
Vandalism	92,723	9	628	0.07%
Fire	72,297	17	602	0.05%
Other utility - non-electric	69,469	6	408	0.05%
UG dig-up	47,614	49	405	0.04%
Contamination	35,232	27	146	0.03%
Switching Error	17,859	4	1,325	0.01%
Previous lightning	5,988	15	33	0.00%
Call error	158	1	1	0.00%
<b>Total</b>	<b>136,022,188</b>	<b>14,073</b>	<b>929,039</b>	<b>100%</b>

### Proposed Solutions – Penelec

Penelec analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending September 30, 2020 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. Penelec continues its program to mitigate trees subject to damage from the Emerald Ash Borer.

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

Outages by Cause – Penn Power

<b>Outage by Cause</b>				
<b>3rd Quarter 2020 12-Month Rolling</b>	<b>Penn Power</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Customer Minutes</b>
Trees off ROW - tree	15,381,060	877	64,751	56.91%
Vehicle	2,245,795	99	19,483	8.31%
Equipment failure	2,238,961	349	20,765	8.28%
Lightning	1,957,846	183	11,980	7.24%
Line failure	1,623,853	298	10,894	6.01%
Trees off ROW - limb	972,411	170	7,296	3.60%
Animal	841,814	438	11,380	3.11%
Unknown	609,589	118	11,956	2.26%
Forced outage	424,666	54	3,927	1.57%
Bird	317,729	362	3,596	1.18%
Trees - sec/service	207,714	179	508	0.77%
Trees on ROW	84,916	8	198	0.31%
Human error - non-company	61,049	21	549	0.23%
Overload	25,386	13	401	0.09%
UG dig-up	18,359	13	135	0.07%
Human error - company	7,458	10	459	0.03%
Object contact with line	4,783	5	63	0.02%
Customer equipment	1,480	10	12	0.01%
Fire	1,395	2	13	0.01%
Previous lightning	1,195	7	20	0.00%
Ice	1,161	2	9	0.00%
Contamination	256	1	8	0.00%
Vandalism	78	1	1	0.00%
<b>Total</b>	<b>27,028,954</b>	<b>3,220</b>	<b>168,404</b>	<b>100%</b>

### Proposed Solutions – Penn Power

Penn Power analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending September 30, 2020 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 equipment failure outages, Penn Power follows I&M programs that set forth schedules for regular inspections of distribution facilities. These programs are geared towards specific components such as capacitors, poles, circuits, transformers, and reclosers. Equipment identified is repaired or replaced as appropriate.

Outages by Cause – West Penn

<b>Outage by Cause</b>				
<b>3rd Quarter 2020 12-Month Rolling</b>	<b>West Penn</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Customer Minutes</b>
Trees off ROW - tree	88,899,345	3,418	287,667	53.43%
Equipment failure	16,896,761	2,079	110,807	10.15%
Line failure	15,370,753	1,355	76,755	9.24%
Unknown	10,766,409	1,734	86,459	6.47%
Vehicle	7,292,367	303	63,034	4.38%
Wind	5,012,354	180	16,562	3.01%
Trees on ROW	4,884,337	451	20,987	2.94%
Forced outage	4,597,643	500	58,474	2.76%
Trees off ROW - limb	3,720,138	196	23,377	2.24%
Animal	2,878,061	1,561	33,066	1.73%
Lightning	1,073,944	132	10,382	0.65%
Ice	1,042,656	19	2,079	0.63%
Human error - non-company	711,748	57	6,275	0.43%
Bird	703,519	405	8,558	0.42%
Object contact with line	637,689	41	2,379	0.38%
Human error - company	632,183	42	8,007	0.38%
Trees - sec/service	404,611	403	813	0.24%
Other electric utility	402,988	12	1,185	0.24%
Vandalism	192,285	3	484	0.12%
Customer equipment	106,600	16	758	0.06%
UG dig-up	89,143	40	1,581	0.05%
Fire	30,558	6	253	0.02%
Overload	25,275	6	328	0.02%
Other utility - non-electric	15,743	5	82	0.01%
Previous Lightning	10,357	3	25	0.01%
<b>Total</b>	<b>166,397,467</b>	<b>12,967</b>	<b>820,377</b>	<b>100%</b>

### Proposed Solutions – West Penn

West Penn analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending September 30, 2020, 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 2020		Met-Ed			Penelec			Penn Power			West Penn		
		Planned	Completed		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	3Q	YTD	Annual	3Q	YTD	Annual	3Q	YTD	Annual	3Q	YTD
Forestry	Transmission (Miles)	272.70	9.91	220.22	517.98	146.17	478.51	56.05	1.47	54.30	195.15	20.07	133.44
	Distribution (Miles)	2,878	710	1,849	3,746	1,082	2,343	1,126	202	844	4,400	1,231	3,233
Transmission	Aerial Patrols	2	1	2	2	1	2	2	1	2	2	1	2
	Groundline <sup>4</sup>	772	201	201	1,600	1,881	2,383	1,902	0	2,006	76	3	99
Substation	Substation Inspections Class A	418	209	418	784	392	784	148	74	148	950	475	950
	Substation Inspections Class B	418	0	209	784	0	392	148	0	74	950	0	475
	Substation Inspections Class C	1,672	418	1,254	3,137	684	2,254	592	148	444	3,800	950	2,850
	Transformers	143	23	127	401	31	398	9	2	9	381	25	368
	Breakers	74	13	64	338	124	302	12	3	10	369	71	287
	Relay Schemes	58	0	58	180	40	173	32	0	32	100	16	75
Distribution	Capacitors	4,758	0	4,758	8,683	0	8,683	978	0	975	1,315	0	1,315
	Poles	36,000	21,867	31,636	41,584	10,533	32,144	11,027	0	11,045	38,373	9,421	38,441
	Reclosers	1,233	13	1,220	2,591	2,594	2,594	930	0	919	3,947	326	3,947
	Radio-Controlled Switches	1,010	103	608	2,652	432	1,689	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.

<sup>4</sup> During the latest review of the groundline pole inspection, it was noted that there was a calculation error which affected the 2020 year-end commitments for Met-Ed, Penn Power and West Penn. The revised numbers are shown in the table.

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

*Section 57.195(e)(7): Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures in total and detailed by the EDC's own functional account code as available. (For first, second and third quarter reports only).*

*Budgeted vs. Actual T&D Operation & Maintenance Expenditures<sup>5</sup>*

This portion of the report is confidential.

---

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

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

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

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

This portion of the report is confidential.

---

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

<sup>7</sup> 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).<sup>8</sup>*

*Staffing Levels*

Met-Ed 2020												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2021 <sup>11</sup>
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>9</sup>	Retirement	Voluntary Separation	Other <sup>10</sup>	
Distribution	Line Leader	53	52	47					2		3	
	Line Troubleshooter	33	33	34				2			1	
	Lineman	125	125	144			20	25			26	
Substation	Substation Leader	15	15	15								
	Substation Employee	69	68	69			4	2			5	
Transmission	Line Leader	2	2	2								
	Lineman	9	8	8				4			4	
<b>Total</b>		<b>306</b>	<b>303</b>	<b>319</b>		<b>0</b>	<b>24</b>	<b>33</b>	<b>2</b>	<b>0</b>	<b>39</b>	

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

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

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

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

Penelec 2020												
Department	Position	Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2021 <sup>14</sup>
		1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>12</sup>	Retirement	Voluntary Separation	Other <sup>13</sup>	
Distribution	Line Leader	67	66	63				2	3		2	
	Line Troubleshooter	63	62	63				1				
	Lineman	142	140	159			25	49			55	
Substation	Substation Leader	35	32	32								
	Substation Employee	39	39	46			6	7			6	
Transmission	Line Leader	5	5	5								
	Lineman	19	19	19								
	<b>Total</b>	<b>370</b>	<b>363</b>	<b>387</b>		<b>0</b>	<b>31</b>	<b>59</b>	<b>3</b>		<b>63</b>	

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

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

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

Penn Power 2020												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2021 <sup>17</sup>
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>15</sup>	Retirement	Voluntary Separation	Other <sup>16</sup>	
Distribution	Line Leader	22	21	25				5	1			
	Line Troubleshooter	9	8	9				1				
	Lineman	47	46	42			2	12			18	
Substation	Substation Leader	5	5	5								
	Substation Employee	21	20	20								
Transmission	Line Leader	1	1	1								
	Lineman	5	5	4				2			3	
<b>Total</b>		<b>110</b>	<b>106</b>	<b>106</b>		<b>0</b>	<b>2</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>21</b>	

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

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

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

West Penn 2020												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2021 <sup>20</sup>
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>18</sup>	Retirement	Voluntary Separation	Other <sup>19</sup>	
Distribution	Line Leader	62	65	65								
	Line Troubleshooter	60	57	57								
	Lineman	123	121	142			23	21		1	22	
Substation	Substation Leader	21	22	22								
	Substation Employee	72	71	75			5	3	2		2	
Transmission	Line Leader	1	1	2				1				
	Lineman	4	4	6				2				
<b>Total</b>		<b>343</b>	<b>341</b>	<b>369</b>		<b>0</b>	<b>28</b>	<b>27</b>	<b>2</b>	<b>1</b>	<b>24</b>	

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

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

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

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

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

*Contractor Expenditures*

Contractor expenses are billed on a lump sum basis and as such, 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 DCC and/or the Customer Operations Center’s person on duty 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.

During the Covid-19 pandemic, crews have been placed in work pods to limit employees’ potential exposure. Each pod ranges between three and eight crew members. For an event, the entire pod team is called making every effort to keep pod members together without mixing different pod teams. This process change can impact the call-out response time and percentages.

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	Fox Hill	00816-3	Stroudsburg	3,402	70	0	3,382,352	6,232	5.95	994.22	1.83	542.74	1.840
2	Shawnee	00895-3	Stroudsburg	3,965	104	1	3,288,598	9,640	5.79	829.41	2.43	341.14	1.040
3	No Bangor	00826-3	Easton	3,205	140	0	3,172,566	13,304	5.58	989.88	4.15	238.47	1.270
4	Mountain	00744-4	Dillsburg	1,842	74	0	2,124,914	5,738	3.74	1,153.59	3.12	370.32	0.000
5	Dillsburg	00748-4	Dillsburg	1,793	77	1	1,889,049	4,043	3.32	1,053.57	2.25	467.24	4.660
6	Shawnee	00899-3	Stroudsburg	1,708	59	3	1,781,695	5,670	3.14	1,043.15	3.32	314.23	1.810
7	Bernville	00787-1	Hamburg	1,768	86	0	1,379,307	3,250	2.43	780.15	1.84	424.40	0.000
8	S Nazareth	00809-3	Easton	3,268	52	2	1,204,365	6,129	2.12	368.53	1.88	196.50	0.950
9	Schuylkill Ave	00157-1	Reading	1,624	13	3	1,188,510	5,175	2.09	731.84	3.19	229.66	0.000
10	S Hamb	00801-1	Hamburg	2,083	67	1	1,165,201	8,066	2.05	559.39	3.87	144.46	0.830
11	Barto	00706-1	Boyertown	2,908	127	1	1,130,159	9,223	1.99	388.64	3.17	122.54	1.010
12	W Boyertown	00715-1	Boyertown	1,691	55	1	1,114,592	6,446	1.96	659.13	3.81	172.91	0.000
13	Bern Church	00789-1	Reading	1,431	80	0	950,258	2,544	1.67	664.05	1.78	373.53	0.230
14	Lynnville	00737-1	Hamburg	1,072	91	3	925,957	2,669	1.63	863.77	2.49	346.93	3.300
15	Mc Knights Gap	00774-1	Reading	1,583	48	1	904,790	3,265	1.59	571.57	2.06	277.12	0.000
16	Yorkana	00715-4	York	1,803	60	2	866,678	6,338	1.53	480.69	3.52	136.74	0.000
17	Walker	00866-3	Stroudsburg	752	12	0	865,332	1,363	1.52	1,150.71	1.81	634.87	0.000
18	Flying Hills	00777-1	Reading	1,785	80	0	844,306	3,677	1.49	473.00	2.06	229.62	0.000
19	Lyons	00729-1	Reading	1,288	83	0	834,104	2,672	1.47	647.60	2.07	312.16	0.000
20	North Hanover	00505-4	Hanover	1,306	32	1	816,386	2,142	1.44	625.10	1.64	381.13	0.000
21	Mcsherrystown	00292-4	Hanover	734	5	4	813,790	2,950	1.43	1,108.71	4.02	275.86	0.000
22	Water Gap	00109-3	Stroudsburg	204	13	1	801,317	451	1.41	3,928.02	2.21	1,776.76	0.000
23	Hill	00737-4	York	2,278	36	0	787,882	5,166	1.39	345.87	2.27	152.51	2.990
24	Mountain	00743-4	Dillsburg	1,027	26	2	739,160	5,360	1.30	719.73	5.22	137.90	0.000
25	Windsor	00795-4	York	1,019	75	0	734,712	2,837	1.29	721.01	2.78	258.97	0.000
26	Shawnee	00833-3	Stroudsburg	1,133	28	2	729,814	3,303	1.28	644.14	2.92	220.95	2.710
27	Mohnton	00144-1	Reading	972	20	1	713,418	2,239	1.26	733.97	2.30	318.63	0.000
28	Baldy	00738-1	Reading	864	38	0	708,297	2,620	1.25	819.79	3.03	270.34	0.000

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Glendon	00818-3	Easton	1,633	17	1	687,305	5,289	1.21	420.88	3.24	129.95	0.000
30	Huffs Church	00600-1	Boyertown	1,505	100	1	675,169	2,680	1.19	448.62	1.78	251.93	0.000
31	Moselem	00782-1	Reading	2,423	37	2	612,522	5,163	1.08	252.79	2.13	118.64	3.800
32	Dillsburg	00746-4	Dillsburg	2,566	52	0	575,796	4,870	1.01	224.39	1.90	118.23	2.980
33	S Hamb	00743-1	Hamburg	1,157	67	1	574,212	2,645	1.01	496.29	2.29	217.09	0.000
34	Fox Hill	00852-3	Stroudsburg	794	34	0	539,424	1,877	0.95	679.38	2.36	287.39	0.000
35	Lickdale	00625-2	Lebanon	1,009	79	0	524,782	1,947	0.92	520.10	1.93	269.53	2.010
36	Windsor	00797-4	York	1,590	66	0	509,201	5,536	0.90	320.25	3.48	91.98	0.000
37	Yorkana	00716-4	York	1,346	21	2	500,316	5,274	0.88	371.71	3.92	94.86	0.000
38	Swatara Hill	00765-2	Lebanon	611	38	1	484,913	1,439	0.85	793.64	2.36	336.98	1.040
39	North Temple	00778-1	Reading	1,196	29	3	459,905	4,724	0.81	384.54	3.95	97.35	0.150

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Two Mile	00127-42	Bradford	1,281	47	1	2,638,830	5,642	4.56	2,059.98	4.40	467.71	0.000
2	Warren South	00220-41	Warren	2,842	102	0	2,618,781	5,411	4.52	921.46	1.90	483.97	0.503
3	Bradford South	00106-42	Bradford	1,184	44	0	2,244,623	2,730	3.88	1,895.80	2.31	822.21	0.000
4	North Warren	00596-41	Warren	1,126	70	3	1,710,196	5,256	2.95	1,518.82	4.67	325.38	1.476
5	Lewis Run	00408-42	Bradford	1,175	44	0	1,527,789	3,245	2.64	1,300.25	2.76	470.81	0.000
6	Meyersdale North	00022-12	Somerset	1,549	52	1	1,485,550	4,427	2.56	959.04	2.86	335.57	1.003
7	North Warren	00207-41	Warren	1,362	100	4	1,474,812	8,624	2.55	1,082.83	6.33	171.01	2.199
8	Tiffany	00435-65	Montrose	1,386	42	2	1,329,076	3,933	2.29	958.93	2.84	337.93	0.323
9	N Meshoppen Tran	00534-65	Montrose	823	51	1	1,283,708	3,047	2.22	1,559.79	3.70	421.30	0.002
10	Dubois	00137-23	Dubois	3,205	129	0	1,183,877	6,378	2.04	369.38	1.99	185.62	2.269
11	East Sayre	00518-61	Towanda	944	37	0	1,120,948	3,533	1.94	1,187.44	3.74	317.28	0.597
12	East Hickory	00201-41	Warren	321	32	4	1,041,048	1,658	1.80	3,243.14	5.17	627.89	2.405
13	Wellsboro	00324-63	Mansfield Pa	251	28	4	1,006,960	1,254	1.74	4,011.79	5.00	803.00	4.430
14	French Road	00222-31	Erie	1,508	24	1	1,003,565	4,676	1.73	665.49	3.10	214.62	0.381
15	Somerset	00017-12	Somerset	1,368	40	1	951,540	2,662	1.64	695.57	1.95	357.45	0.000
16	Natl Forge Sw Sta	00577-41	Warren	1,183	50	1	894,159	11,133	1.54	755.84	9.41	80.32	4.009
17	Springboro	00237-52	Meadville	2,532	79	0	884,220	7,972	1.53	349.22	3.15	110.92	2.968
18	Grover	00527-63	Towanda	1,048	79	0	844,447	2,400	1.46	805.77	2.29	351.85	0.004
19	Hooversville	00019-12	Somerset	1,605	50	0	818,102	6,277	1.41	509.72	3.91	130.33	1.080
20	Lake Como	00787-65	Montrose	896	29	0	817,185	2,394	1.41	912.04	2.67	341.35	0.692
21	Piney	00523-51	Oil City	1,501	55	1	817,182	5,011	1.41	544.43	3.34	163.08	1.550
22	Covington	00729-63	Mansfield Pa	778	39	0	811,591	1,645	1.40	1,043.18	2.11	493.37	1.013
23	Logan	00700-81	Lewistown	993	38	0	811,078	6,092	1.40	816.80	6.13	133.14	1.660
24	Russell Hill	00282-65	Montrose	1,000	80	0	759,254	2,955	1.31	759.25	2.96	256.94	0.000
25	Greenwood	00041-71	Altoona	1,234	29	2	755,375	2,668	1.30	612.14	2.16	283.12	0.997
26	Mcveytown	00112-81	Lewistown	1,291	58	0	684,872	2,773	1.18	530.50	2.15	246.98	0.000
27	Hooversville	00018-12	Somerset	749	36	0	676,292	1,805	1.17	902.93	2.41	374.68	0.399
28	Mansfield	00559-63	Mansfield Pa	560	37	1	670,423	1,695	1.16	1,197.18	3.03	395.53	0.923

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Blairsville East	00082-13	Indiana	1,563	40	0	660,195	2,669	1.14	422.39	1.71	247.36	0.073
30	Ansonia	00740-63	Mansfield Pa	171	23	0	659,027	673	1.14	3,853.96	3.94	979.24	7.000
31	Morgan Street	00233-52	Meadville	916	29	1	655,013	1,413	1.13	715.08	1.54	463.56	0.419
32	Lake Como	00788-65	Montrose	634	27	2	647,347	1,895	1.12	1,021.05	2.99	341.61	0.063
33	Tunkhannock	00533-65	Montrose	1,202	43	0	639,011	2,208	1.10	531.62	1.84	289.41	0.000
34	Lewis Run	00409-42	Bradford	641	29	2	628,321	4,440	1.08	980.22	6.93	141.51	0.694
35	Blairsville East	00080-13	Indiana	1,015	25	0	623,894	2,717	1.08	614.67	2.68	229.63	0.000
36	Brookville	00125-23	Dubois	615	32	0	601,405	4,668	1.04	977.89	7.59	128.84	3.977
37	Marienville	00328-51	Oil City	1,098	56	0	549,039	2,821	0.95	500.04	2.57	194.63	1.487
38	Union City Sub	00206-43	Erie	2,852	118	0	531,262	5,596	0.92	186.28	1.96	94.94	1.507
39	Dubois Central	00119-23	Dubois	1,267	52	0	513,100	2,215	0.89	404.97	1.75	231.65	0.712
40	Birmingham	00168-22	Philipsburg	1,080	50	0	507,141	1,871	0.88	469.58	1.73	271.05	0.000
41	Laurel Lake Sub Tran	00449-65	Montrose	515	36	6	492,016	2,609	0.85	955.37	5.07	188.58	2.307
42	Roxbury	00138-83	Shippensburg	508	23	1	480,457	889	0.83	945.78	1.75	540.45	3.053
43	Meyersdale North	00004-12	Somerset	582	18	1	475,276	1,640	0.82	816.63	2.82	289.80	1.000
44	Union City Sub	00208-43	Erie	1,524	93	1	461,866	4,622	0.80	303.06	3.03	99.93	1.982
45	Sabinsville Trans	00567-63	Mansfield Pa	145	21	1	452,362	827	0.78	3,119.74	5.70	546.99	0.000
46	Industrial Park	00796-65	Montrose	357	13	2	448,937	1,241	0.78	1,257.53	3.48	361.75	0.000
47	Clearfield	00148-21	Clearfield	1,875	46	2	443,439	4,681	0.77	236.50	2.50	94.73	0.475
48	Northeast	00592-31	Erie	1,601	55	2	421,937	2,947	0.73	263.55	1.84	143.18	1.003
49	Falls	00297-65	Montrose	802	16	0	414,144	1,740	0.72	516.39	2.17	238.01	0.000
50	Corry East	00247-43	Warren	297	23	0	396,299	513	0.68	1,334.34	1.73	772.51	0.677
51	Utica Junction	00331-51	Oil City	642	40	0	391,000	1,454	0.68	609.03	2.26	268.91	0.000
52	Meshoppen	00283-65	Montrose	371	17	0	387,115	1,332	0.67	1,043.44	3.59	290.63	2.054
53	Rockwood	00023-12	Somerset	230	11	2	384,865	487	0.66	1,673.33	2.12	790.28	0.904
54	Thompson	00442-65	Montrose	538	27	3	383,326	2,077	0.66	712.50	3.86	184.56	0.104
55	Church	00427-34	Erie	725	41	3	375,056	3,123	0.65	517.32	4.31	120.09	0.000
56	Stoystown	00402-12	Somerset	318	12	0	370,256	969	0.64	1,164.33	3.05	382.10	0.000

<b>Penelec</b>													
<b>Circuit Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Average Customers</b>	<b>Outages</b>	<b>Lockouts</b>	<b>Customer Minutes</b>	<b>Customers Affected</b>	<b>SAIDI Impact</b>	<b>SAIDI</b>	<b>SAIFI</b>	<b>CAIDI</b>	<b>MAIFI</b>
57	Logan	00701-81	Lewistown	1,297	26	0	359,074	2,435	0.62	276.85	1.88	147.46	0.807
58	Gold	00715-63	Mansfield Pa	380	27	1	356,469	1,807	0.62	938.08	4.76	197.27	1.784
59	Scalp Level	00932-11	Johnstown	1,062	23	0	356,207	2,482	0.62	335.41	2.34	143.52	1.028
60	Blossburg	00310-63	Mansfield Pa	248	17	1	354,719	833	0.61	1,430.32	3.36	425.83	1.008
61	Shawville	00151-21	Clearfield	2,068	43	1	351,352	8,356	0.61	169.90	4.04	42.05	1.473
62	Lake Como	00786-65	Montrose	354	15	0	346,177	580	0.60	977.90	1.64	596.86	0.000

<b>Penn Power</b>													
<b>Circuit Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Average Customers</b>	<b>Outages</b>	<b>Lockouts</b>	<b>Customer Minutes</b>	<b>Customers Affected</b>	<b>SAIDI Impact</b>	<b>SAIDI</b>	<b>SAIFI</b>	<b>CAIDI</b>	<b>MAIFI*</b>
1	Enon Valley	D-545	New Castle	1,026	60	0	758,655	1,500	4.60	739.43	1.462	505.8	0.0
2	BMF	W760	Zelienople	2,660	17	3	713,538	6,605	4.32	268.25	2.483	108.0	0.0
3	Grant Street	W421	New Castle	938	9	1	695,589	2,046	4.22	741.57	2.181	340.0	0.0
4	Perry	W-156	Clark	1,091	56	0	549,944	3,103	3.33	504.07	2.844	177.2	0.0
5	Seneca	W700	Zelienople	1,046	65	1	502,894	3,417	3.05	480.78	3.267	147.2	0.0
6	Knox	D509	Zelienople	979	22	0	483,618	1,696	2.93	493.99	1.732	285.2	0.0
7	Hadley	W-195	Clark	816	33	0	410,291	992	2.49	502.81	1.216	413.6	0.0
8	Bedford	D-445	New Castle	981	39	1	406,925	1,420	2.47	414.81	1.448	286.6	0.0
9	Stoneboro	W-131	Clark	1,339	65	0	381,381	1,676	2.31	284.83	1.252	227.6	0.0

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
1	Piney Fork	Gillhall	Charleroi	2,207	21	1	2,504,835	5,388	3.48	1,134.95	2.44	464.89
2	Piney Fork	Cochran Mill	Charleroi	1,194	10	1	1,775,832	2,669	2.47	1,487.30	2.24	665.35
3	Driftwood	Driftwood	St Marys	989	41	0	1,677,688	3,028	2.33	1,696.35	3.06	554.06
4	Smithton	Fitzhenry	Charleroi	1,157	21	1	1,582,550	2,489	2.20	1,367.80	2.15	635.82
5	Vandergrift	Grifflo Park	Arnold	2,715	64	0	1,508,187	4,542	2.09	555.50	1.67	332.05
6	Lovedale	Township	Charleroi	1,623	44	0	1,468,949	5,718	2.04	905.08	3.52	256.90
7	Weedville	Weedville	St Marys	1,375	55	0	1,463,995	5,148	2.03	1,064.72	3.74	284.38
8	Butler	Center Ave	Butler	1,638	39	0	1,244,188	2,726	1.73	759.58	1.66	456.42
9	Murrycrest	Sardis Road	Jeannette	1,409	40	4	1,094,603	10,771	1.52	776.87	7.64	101.63
10	Smithton	Smithton	Charleroi	990	27	0	1,086,076	2,398	1.51	1,097.05	2.42	452.91
11	Rutan	Bristoria	Jefferson	1,138	91	0	1,069,415	2,715	1.48	939.73	2.39	393.89
12	Buckeye No.3	Paisley	Jefferson	670	12	0	1,068,132	1,304	1.48	1,594.23	1.95	819.12
13	Charleroi	Speers	Charleroi	1,425	46	1	1,049,659	2,701	1.46	736.60	1.90	388.62
14	Avella	W Middletown	Washington Pa	1,152	44	0	1,039,674	3,480	1.44	902.49	3.02	298.76
15	Bethlen	Darlington	Latrobe	1,244	70	0	1,018,816	2,963	1.41	818.98	2.38	343.85
16	California	River	Charleroi	1,756	29	1	1,003,887	4,026	1.39	571.69	2.29	249.35
17	Fayetteville	Keystone	Waynesboro	1,513	53	0	1,000,129	2,401	1.39	661.02	1.59	416.55
18	Dutch Fork	Claysville	Washington Pa	1,588	67	1	954,266	3,530	1.32	600.92	2.22	270.33
19	North Fayette	Tyre	Boyce	1,667	32	0	948,103	3,888	1.32	568.75	2.33	243.85
20	Amity	Banetown	Washington Pa	1,475	49	0	906,998	2,362	1.26	614.91	1.60	384.00
21	Piney Fork	Stoltz	Charleroi	2,370	31	2	887,657	9,155	1.23	374.54	3.86	96.96
22	Mcconnellsburg	South	Mcconnellsburg	616	28	1	887,297	1,356	1.23	1,440.42	2.20	654.35
23	Purcell	Artemas	Hyndman	605	27	1	874,286	1,858	1.21	1,445.10	3.07	470.55
24	Belmon	Fayette City	Charleroi	1,442	22	1	871,176	2,540	1.21	604.14	1.76	342.98
25	Waterville	Waterville	State College	354	24	2	841,486	2,938	1.17	2,377.08	8.30	286.41
26	Westraver	Pittsburgh Coal	Charleroi	1,872	25	1	834,117	4,422	1.16	445.58	2.36	188.63
27	Finleyville	Finleyville	Charleroi	1,302	34	0	802,893	3,488	1.11	616.66	2.68	230.19
28	Marvindale	Clermont	St Marys	851	15	1	789,414	2,882	1.10	927.63	3.39	273.91
29	Portersville	Portersville	Butler	905	36	0	789,026	2,506	1.10	871.85	2.77	314.85

<b>West Penn Power</b>												
<b>Circuit Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Average Customers</b>	<b>Outages</b>	<b>Lockouts</b>	<b>Customer Minutes</b>	<b>Customers Affected</b>	<b>SAIDI Impact</b>	<b>SAIDI</b>	<b>SAIFI</b>	<b>CAIDI</b>
30	Pittsburgh Mills	Tawny Run	Arnold	844	30	1	783,871	2,952	1.09	928.76	3.50	265.54
31	Enlow	Summit	Boyce	1,806	9	0	780,051	5,675	1.08	431.92	3.14	137.45
32	Franklin	Rogersville	Jefferson	821	66	2	774,129	3,203	1.07	942.91	3.90	241.69
33	Amity	Amity	Washington Pa	510	32	1	755,984	3,241	1.05	1,482.32	6.35	233.26
34	Monongahela	Park Ave	Charleroi	1,046	24	1	742,457	3,259	1.03	709.81	3.12	227.82
35	Hilliards	Hilliards	Butler	891	30	1	710,229	2,515	0.99	797.11	2.82	282.40
36	Mushroom	Mushroom	Kittanning	317	10	1	682,086	680	0.95	2,151.69	2.15	1,003.07
37	Smith	Florence	Washington Pa	806	57	2	657,626	4,427	0.91	815.91	5.49	148.55
38	Karns City	Kaylor	Butler	1,156	36	1	653,537	2,667	0.91	565.34	2.31	245.05
39	Murrycrest	Christy Road	Jeannette	1,034	45	1	646,782	1,833	0.90	625.51	1.77	352.85
40	Kittanning	Garretts Run	Kittanning	704	21	0	644,313	1,501	0.89	915.22	2.13	429.26

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 are directed to provide additional detail in their reporting of the 5% of worst performing circuits in the Commission Quarterly Reliability Reports to highlight those circuits that appear multiple times on Quarterly Reliability Reports, but not necessarily in four quarters in a calendar year. For each Quarterly Reliability Report filed pursuant to 52 Pa. Code § 57.195, this additional detail shall include highlighting those worst performing circuits that have appeared in two or more Quarterly Reliability Reports in the past four quarters.

<b>Met-Ed</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
1	Fox Hill	00816-3	Stroudsburg	3,402	70	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	5.95	Trees Off ROW-Tree	37%	4Q 2019	
	SAIDI	994.22	Equipment Failure	36%	1Q 2020	
	SAIFI	1.83	Trees Off ROW-Limb	15%	2Q 2020	
	CAIDI	543	All Other	13%	3Q 2020	
	Customer Minutes	3,382,352				
	Customers Affected	6,232				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Enhance tree removal				Complete	Nov-19
	Thermovision and overhead inspection				Complete	Apr-20
	Mainline forestry aerial patrol				Complete	Jul-20
	Repair items identified during circuit inspection				To be completed 2020	75%
	On cycle tree trimming				To be completed 2020	19%
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
2	Shawnee	00895-3	Stroudsburg	3,965	104	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	5.79	Trees Off ROW-Tree	65%	4Q 2019	
	SAIDI	829.41	Ice	11%	1Q 2020	
	SAIFI	2.43	Trees Off ROW-Limb	8%	2Q 2020	
	CAIDI	341	All Other	16%	3Q 2020	
	Customer Minutes	3,288,598				
	Customers Affected	9,640				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Thermovision and overhead inspection				Complete	May-20
	On cycle tree trimming				To be completed 2020	90%

Met-Ed					
3	No Bangor	00826-3	Easton	3,205	140
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	5.58	Trees Off ROW-Tree	81%	4Q 2019
	SAIDI	989.88	Trees Off ROW-Limb	13%	1Q 2020
	SAIFI	4.15	Equipment Failure	4%	2Q 2020
	CAIDI	238	All Other	2%	3Q 2020
	Customer Minutes	3,172,566			
	Customers Affected	13,304			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair items identified during circuit inspection			Complete	Oct-19
	Mainline forestry aerial patrol			Complete	Jul-20
	Install TripSaver Recloser			To be completed 2020	50%
	Construct circuit tie Phase 1			To be completed 2021	50%
	Construct circuit tie Phase 2			To be completed 2021	50%
	Construct circuit tie Phase 3			To be completed 2021	50%
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
4	Mountain	00744-4	Dillsburg	1,842	74
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.74	Trees Off ROW-Tree	59%	4Q 2019
	SAIDI	1,153.59	Equipment Failure	29%	1Q 2020
	SAIFI	3.12	Line Failure	6%	2Q 2020
	CAIDI	370	All Other	6%	3Q 2020
	Customer Minutes	2,124,914			
	Customers Affected	5,738			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Upgrade Zone 2 recloser to EMS radio controlled			Complete	Oct-19
	Enhanced tree trimming			Complete	Dec-19
Overhead circuit inspection			Complete	Jul-20	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
5	Dillsburg	00748-4	Dillsburg	1,793	77
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.32	Trees Off ROW-Tree	83%	3Q 2020
	SAIDI	1,053.57	Vehicle	7%	
	SAIFI	2.25	Equipment Failure	5%	
	CAIDI	467	All Other	4%	
	Customer Minutes	1,889,049			
	Customers Affected	4,043			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
Enhanced tree trimming			Complete	Dec-19	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
6	Shawnee	00899-3	Stroudsburg	1,708	59	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.14	Trees Off ROW-Tree	85%	4Q 2019	
	SAIDI	1,043.15	Equipment Failure	11%	1Q 2020	
	SAIFI	3.32	Wind	2%	2Q 2020	
	CAIDI	314	All Other	1%	3Q 2020	
	Customer Minutes	1,781,695				
	Customers Affected	5,670				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1				Complete	Dec-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser #2				Complete	Jan-20
	Install Supervisory Control and Data Acquisition (SCADA) recloser #3				Complete	Jan-20
	Install Supervisory Control and Data Acquisition (SCADA) recloser #4				Complete	Jan-20
	Mainline forestry aerial patrol				Complete	Jul-20
	Post storm aerial patrol				Complete	Aug-20
Repair items identified during post storm aerial patrol				Complete	Aug-20	
Rank	Substation	Circuit	District	Customers	Outages	
7	Bernville	00787-1	Hamburg	1,768	86	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.43	Trees Off ROW-Tree	67%	2Q 2020	
	SAIDI	780.15	Equipment Failure	11%	3Q 2020	
	SAIFI	1.84	Line Failure	9%		
	CAIDI	424	All Other	12%		
	Customer Minutes	1,379,307				
	Customers Affected	3,250				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Targeted Mainline Circuit Rehabilitation #1				Complete	Oct- 19
	Targeted Mainline Circuit Rehabilitation #2				Complete	Jan- 20
	Targeted Mainline Circuit Rehabilitation #3				Complete	Feb- 20
	Replace UG cable in Heidelberg URD				Complete	Jan- 20
	Overhead circuit inspection				Complete	Jun-20
	Replace Recloser				Complete	Jul-20
Install TripSaver Recloser #1				To be completed 2020	50%	
Install TripSaver Recloser #2				To be completed 2020	50%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
8	S Nazareth	00809-3	Easton	3,268	52	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.12	Trees Off ROW-Tree	78%	4Q 2019	
	SAIDI	368.53	Equipment Failure	10%	1Q 2020	
	SAIFI	1.88	Trees Off ROW-Limb	7%	2Q 2020	
	CAIDI	197	All Other	5%	3Q 2020	
	Customer Minutes	1,204,365				
	Customers Affected	6,129				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1				Complete	Dec-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser #2				Complete	Dec-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser #3				Complete	Dec-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser #4				Complete	Dec-19
	Construct circuit tie				Complete	Jun-20
	Thermovision and overhead inspection				Complete	Jun-20
	Targeted Mainline Circuit Rehabilitation				Complete	Apr-20
	On cycle tree trimming				Complete	Jul-20
Mainline forestry aerial patrol				Complete	Jul-20	
Rank	Install TripSaver Recloser #3	Circuit	District	To be completed 2021	0	
9	Schuylkill Ave	00157-1	Reading	1,624	13	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.09	Unknown	28%	2Q 2020	
	SAIDI	731.84	Vehicle	25%	3Q 2020	
	SAIFI	3.19	Equipment Failure	22%		
	CAIDI	230	All Other	25%		
	Customer Minutes	1,188,510				
	Customers Affected	5,175				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Targeted forestry inspection				Complete	Apr-20
	Replace mainline crossarms, insulators, cutouts				Complete	Jun-20
	Targeted forestry inspection				Complete	Sep-20
	Substation Coordination Improvement				Complete	Aug-20

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
10	S Hamb	00801-1	Hamburg	2,083	67
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.05	Equipment Failure	41%	2Q 2020
	SAIDI	559.39	Trees Off ROW-Tree	30%	3Q 2020
	SAIFI	3.87	Forced Outage	8%	
	CAIDI	144	All Other	22%	
	Customer Minutes	1,165,201			
	Customers Affected	8,066			
	Remedial Action Planned or Taken			Status	Progress
	Replace crossarm from inspection			Complete	Oct- 19
	Replace crossarm from inspection			Complete	Nov- 19
	Replace crossarm from inspection			Complete	Nov- 19
	Replace mainline crossarm from inspection #1			Complete	Dec- 19
	Replace mainline crossarm from inspection #2			Complete	Dec- 19
	Replace mainline crossarm from inspection #3			Complete	Oct-19
Replace mainline crossarm from inspection #4			Complete	Nov- 19	
Replace mainline crossarm from inspection #5			Complete	Dec- 19	
On cycle tree trimming			Complete	Jul-20	
Install TripSaver Recloser #1			To be completed 2020	50%	
Install TripSaver Recloser #2			To be completed 2020	50%	
Rank	Substation	Circuit	District	Customers	Outages
11	Barto	00706-1	Boyertown	2,908	127
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.99	Trees Off ROW-Tree	51%	1Q 2020
	SAIDI	388.64	Vehicle	19%	2Q 2020
	SAIFI	3.17	Unknown	16%	3Q 2020
	CAIDI	123	All Other	14%	
	Customer Minutes	1,130,159			
	Customers Affected	9,223			
	Remedial Action Planned or Taken			Status	Progress
	Install Supervisory Control and Data Acquisition (SCADA) switch #1			Complete	Jan-20
	Install Supervisory Control and Data Acquisition (SCADA) switch #2			Complete	Jan-20
	Install Supervisory Control and Data Acquisition (SCADA) switch #4			Complete	Jan-20
	Install Supervisory Control and Data Acquisition (SCADA) switch #5			Complete	Jan-20
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1			Complete	Feb-20
	Mainline pole replacement from inspection #1			Complete	Jun-20
Mainline pole replacement from inspection #2			Complete	Jul-20	
Overhead circuit inspection			To be completed 2020	99%	
On cycle tree trimming			To be completed 2020	99%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
12	W Boyertown	00715-1	Boyertown	1,691	55	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.96	Bird	48%	2Q 2020	
	SAIDI	659.13	Equipment Failure	16%	3Q 2020	
	SAIFI	3.81	Trees Off ROW-Tree	16%		
	CAIDI	173	All Other	19%		
	Customer Minutes	1,114,592				
	Customers Affected	6,446				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace crossarm from inspection				Complete	Feb-20
	Thermovision and overhead inspection				Complete	May-20
	Replace arrester from thermovision inspection #1				Complete	Jul-20
	Replace arrester from thermovision inspection #2				Complete	Jul-20
	Replace arrester from thermovision inspection #3				Complete	Jul-20
Replace arrester from thermovision inspection #4				Complete	Jul-20	
Replace cutout from thermovision inspection				Complete	Sep-20	
Install TripSaver Recloser				To be completed 2020	50%	
Rank	Substation	Circuit	District	Customers	Outages	
13	Bern Church	00789-1	Reading	1,431	80	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.67	Trees Off ROW-Tree	80%	4Q 2019	
	SAIDI	664.05	Equipment Failure	6%	1Q 2020	
	SAIFI	1.78	Line Failure	5%	2Q 2020	
	CAIDI	374	All Other	9%	3Q 2020	
	Customer Minutes	950,258				
	Customers Affected	2,544				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Enhanced Tree Trimming				Complete	Oct-19
	Targeted forestry inspection				Complete	Jun-20
	Targeted tree trimming (Milestone Dr)				Complete	Sep-20
	Install TripSaver Recloser #1				To be completed 2020	50%
	Install TripSaver Recloser #2				To be completed 2020	50%
Install TripSaver Recloser #3				To be completed 2020	50%	
Install additional circuit tap protection				To be completed 2020	50%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
14	Lynnville	00737-1	Hamburg	1,072	91	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.63	Trees Off ROW-Tree	71%	2Q 2020	
	SAIDI	863.77	Equipment Failure	15%	3Q 2020	
	SAIFI	2.49	Unknown	11%		
	CAIDI	347	All Other	3%		
	Customer Minutes	925,957				
	Customers Affected	2,669				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace crossarm brace from inspection #1				Complete	Apr- 20
	Replace crossarm brace from inspection #2				Complete	Apr- 20
	Replace crossarm brace from inspection #3				Complete	Apr- 20
	Replace crossarm brace from inspection #4				Complete	Apr- 20
	Replace crossarm brace from inspection #5				Complete	Mar- 20
Rank	Substation	Circuit	District	Customers	Outages	
15	Mc Knights Gap	00774-1	Reading	1,583	48	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.59	Trees Off ROW-Tree	64%	2Q 2020	
	SAIDI	571.57	Equipment Failure	21%	3Q 2020	
	SAIFI	2.06	Line Failure	11%		
	CAIDI	277	All Other	4%		
	Customer Minutes	904,790				
	Customers Affected	3,265				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Targeted forestry inspection				Complete	Apr-20
	Targeted forestry inspection				Complete	Jun-20
	On cycle tree trimming				To be completed 2020	63%
	Install TripSaver Recloser #1				To be completed 2020	50%
	Install TripSaver Recloser #2				To be completed 2020	50%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
16	Yorkana	00715-4	York	1,803	60	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.53	Trees Off ROW-Tree	24%	2Q 2020	
	SAIDI	480.69	Trees Off ROW-Limb	23%	3Q 2020	
	SAIFI	3.52	Unknown	19%		
	CAIDI	137	All Other	35%		
	Customer Minutes	866,678				
	Customers Affected	6,338				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace/repair high priority items identified during overhead circuit patrol				Complete	Feb-20
	Post Storm Patrol				Complete	Apr-20
	On cycle tree trimming				To be completed 2020	72%
Rank	Substation	Circuit	District	Customers	Outages	
17	Walker	00866-3	Stroudsburg	752	12	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.52	Trees Off ROW-Tree	66%	4Q 2019	
	SAIDI	1,150.71	Equipment Failure	33%	3Q 2020	
	SAIFI	1.81	Trees Off ROW-Limb	1%		
	CAIDI	635	All Other	1%		
	Customer Minutes	865,332				
	Customers Affected	1,363				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1				Complete	Nov-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser #2				Complete	Nov-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser #3				Complete	Nov-19
Install Supervisory Control and Data Acquisition (SCADA) recloser #4				Complete	Nov-19	
Rank	Substation	Circuit	District	Customers	Outages	
18	Flying Hills	00777-1	Reading	1,785	80	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.49	Trees Off ROW-Tree	75%	4Q 2019	
	SAIDI	473.00	Equipment Failure	8%	1Q 2020	
	SAIFI	2.06	Trees Off ROW-Limb	5%	2Q 2020	
	CAIDI	230	All Other	12%	3Q 2020	
	Customer Minutes	844,306				
	Customers Affected	3,677				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection				Complete	Mar-20
	On cycle tree trimming				Complete	Mar-20
	Install TripSaver Recloser #1				To be completed 2020	50%
Install TripSaver Recloser #2				To be completed 2020	50%	
Install TripSaver Recloser #3				To be completed 2020	50%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
19	Lyons	00729-1	Reading	1,288	83	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.47	Trees Off ROW-Tree	47%	2Q 2020	
	SAIDI	647.60	Equipment Failure	23%	3Q 2020	
	SAIFI	2.07	Trees Off ROW-Limb	21%		
	CAIDI	312	All Other	9%		
	Customer Minutes	834,104				
	Customers Affected	2,672				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Create additional circuit tie				Complete	Apr-20
	On cycle tree trimming				Complete	Aug-20
	Install TripSaver				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch				To be completed 2020	50%
Install Supervisory Control and Data Acquisition (SCADA) switch				To be completed 2020	50%	
Rank	Substation	Circuit	District	Customers	Outages	
20	North Hanover	00505-4	Hanover	1,306	32	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.44	Trees Off ROW-Tree	71%	3Q 2020	
	SAIDI	625.10	Trees Off ROW-Limb	24%		
	SAIFI	1.64	Line Failure	2%		
	CAIDI	381	All Other	3%		
	Customer Minutes	816,386				
	Customers Affected	2,142				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Enhanced tree trimming				Complete	Dec-19
Rank	Substation	Circuit	District	Customers	Outages	
21	Mcsherrystown	00292-4	Hanover	734	5	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.43	Equipment Failure	53%	2Q 2020	
	SAIDI	1,108.71	Human Error - Company	46%	3Q 2020	
	SAIFI	4.02	Forced Outage	1%		
	CAIDI	276	All Other	0%		
	Customer Minutes	813,790				
	Customers Affected	2,950				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Upgrade Regulator				Complete	Jul-20
	Upgrade Recloser				Complete	Jul-20
Install MOAB on source circuit				Complete	Jul-20	
On cycle tree trimming				Complete	Oct-20	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
22	Water Gap	00109-3	Stroudsburg	204	13	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.41	Trees Off ROW-Tree	82%	4Q 2019	
	SAIDI	3,928.02	Trees - Sec/Service	14%	1Q 2020	
	SAIFI	2.21	Trees On ROW	4%	2Q 2020	
	CAIDI	1,777	All Other	0%	3Q 2020	
	Customer Minutes	801,317				
	Customers Affected	451				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Create new source				Complete	Oct-20
	Overhead circuit inspection				To be completed 2020	99%
Rank	Substation	Circuit	District	Customers	Outages	
23	Hill	00737-4	York	2,278	36	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.39	Trees Off ROW-Tree	68%	4Q 2019	
	SAIDI	345.87	Equipment Failure	24%	1Q 2020	
	SAIFI	2.27	Human Error -Non-Company	4%	2Q 2020	
	CAIDI	153	All Other	4%	3Q 2020	
	Customer Minutes	787,882				
	Customers Affected	5,166				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) switch				Complete	Dec-19
	Inspect Main Line Capacitors/Regulators; Replace those identified as inoperable				Complete	Aug-20
Install additional mainline switch				Complete	Sep-20	
On cycle tree trimming				To be completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages	
24	Mountain	00743-4	Dillsburg	1,027	26	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.30	Trees Off ROW-Limb	85%	1Q 2020	
	SAIDI	719.73	Trees Off ROW-Tree	13%	2Q 2020	
	SAIFI	5.22	Forced Outage	1%	3Q 2020	
	CAIDI	138	All Other	1%		
	Customer Minutes	739,160				
	Customers Affected	5,360				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) recloser				Complete	Dec-19
	Targeted Zone 2 Circuit Rehabilitation				Complete	Feb-20
Overhead circuit inspection				Complete	Mar-20	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
25	Windsor	00795-4	York	1,019	75	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.29	Trees Off ROW-Tree	79%	4Q 2019	
	SAIDI	721.01	Trees Off ROW-Limb	10%	1Q 2020	
	SAIFI	2.78	Equipment Failure	5%	2Q 2020	
	CAIDI	259	All Other	6%	3Q 2020	
	Customer Minutes	734,712				
	Customers Affected	2,837				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Circuit Rehabilitation Inspection				Complete	Oct-19
	Targeted mainline inspection				Complete	Dec-19
	Enhanced tree removal				Complete	Dec-19
	Replace/repair high priority items identified during overhead circuit patrol				Complete	Mar-20
	Targeted Mainline Circuit Rehabilitation				Complete	Jun-20
	Install Animal Guard				To be completed 2020	20%
Rank	Substation	Circuit	District	Customers	Outages	
26	Shawnee	00833-3	Stroudsburg	1,133	28	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.28	Trees Off ROW-Tree	29%	1Q 2020	
	SAIDI	644.14	Equipment Failure	29%	2Q 2020	
	SAIFI	2.92	Unknown	25%	3Q 2020	
	CAIDI	221	All Other	18%		
	Customer Minutes	729,814				
	Customers Affected	3,303				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Overhead mainline circuit inspection				Complete	Nov-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser				Complete	Mar-20
	Construct circuit tie				Complete	Mar-20
	Thermovision and overhead inspection				Complete	May-20
	Mainline forestry aerial patrol				Complete	Jul-20
	Post storm aerial patrol				Complete	Aug-20
Repair items identified during post storm aerial patrol				Complete	Aug-20	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
27	Mohnton	00144-1	Reading	972	20	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.26	Trees Off ROW-Tree	85%	1Q 2020	
	SAIDI	733.97	Line Failure	7%	2Q 2020	
	SAIFI	2.30	Forced Outage	3%	3Q 2020	
	CAIDI	319	All Other	5%		
	Customer Minutes	713,418				
	Customers Affected	2,239				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection				Complete	Jan-20
	Targeted forestry inspection				Complete	Feb-20
Rank	Substation	Circuit	District	Customers	Outages	
28	Baldy	00738-1	Reading	864	38	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.25	Equipment Failure	61%	3Q 2020	
	SAIDI	819.79	Trees Off ROW-Tree	28%		
	SAIFI	3.03	Trees Off ROW-Limb	7%		
	CAIDI	270	All Other	4%		
	Customer Minutes	708,297				
	Customers Affected	2,620				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Overhead mainline circuit inspection				Complete	Mar-20
	Targeted forestry inspection				Complete	Mar-20
Targeted forestry inspection				Complete	Apr-20	
Mainline Pole Replacements				Complete	Aug-20	
Rank	Substation	Circuit	District	Customers	Outages	
29	Glendon	00818-3	Easton	1,633	17	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.21	Equipment Failure	53%	3Q 2020	
	SAIDI	420.88	Trees Off ROW-Tree	23%		
	SAIFI	3.24	Human Error - Company	17%		
	CAIDI	130	All Other	7%		
	Customer Minutes	687,305				
	Customers Affected	5,289				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Thermovision and overhead inspection				Complete	Jun-20
Overhead circuit inspection				Complete	Aug-20	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
30	Huffs Church	00600-1	Boyertown	1,505	100	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.19	Trees Off ROW-Tree	48%	4Q 2019	
	SAIDI	448.62	Vehicle	32%	2Q 2020	
	SAIFI	1.78	Equipment Failure	6%	3Q 2020	
	CAIDI	252	All Other	14%		
	Customer Minutes	675,169				
	Customers Affected	2,680				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair mainline guy wire from inspection				Complete	Oct-19
	Replace mainline crossarm				Complete	Nov-19
	Engineering circuit tie addition review				Complete	Dec-19
	Overhead circuit inspection				Complete	Jun-20
	Install Supervisory Control and Data Acquisition (SCADA) switch #1				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch #2				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch #3				To be completed 2020	50%
Create additional circuit tie				To be completed 2020	50%	
On cycle tree trimming				To be completed 2020	13%	
Rank	Substation	Circuit	District	Customers	Outages	
31	Moselem	00782-1	Reading	2,423	37	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.08	Line Failure	30%	3Q 2020	
	SAIDI	252.79	Trees Off ROW-Tree	29%		
	SAIFI	2.13	Equipment Failure	27%		
	CAIDI	119	All Other	13%		
	Customer Minutes	612,522				
	Customers Affected	5,163				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Targeted Mainline Circuit Rehabilitation #1				Complete	Nov-19
	Targeted Mainline Circuit Rehabilitation #2				Complete	Nov-19
	Targeted Mainline Circuit Rehabilitation #3				Complete	Dec-19
	Install Supervisory Control and Data Acquisition (SCADA) switch #1				Complete	Mar-20
	Install Supervisory Control and Data Acquisition (SCADA) switch #2				Complete	Mar-20
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1				Complete	Mar-20
	Install Supervisory Control and Data Acquisition (SCADA) recloser #2				Complete	Mar-20
Install Supervisory Control and Data Acquisition (SCADA) switch #3				Complete	Mar-20	
Overhead circuit inspection				To be completed 2020	99%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
32	Dillsburg	00746-4	Dillsburg	2,566	52	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.01	Trees Off ROW-Tree	74%	2Q 2020	
	SAIDI	224.39	Wind	12%	3Q 2020	
	SAIFI	1.90	Vehicle	5%		
	CAIDI	118	All Other	9%		
	Customer Minutes	575,796				
	Customers Affected	4,870				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1				To be completed 2020	25%
	Install Supervisory Control and Data Acquisition (SCADA) recloser #2				To be completed 2020	25%
Rank	Substation	Circuit	District	Customers	Outages	
33	S Hamb	00743-1	Hamburg	1,157	67	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.01	Trees Off ROW-Tree	62%	3Q 2020	
	SAIDI	496.29	Line Failure	15%		
	SAIFI	2.29	Vehicle	11%		
	CAIDI	217	All Other	12%		
	Customer Minutes	574,212				
	Customers Affected	2,645				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	On cycle tree trimming				To be completed 2020	47%
Rank	Substation	Circuit	District	Customers	Outages	
34	Fox Hill	00852-3	Stroudsburg	794	34	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.95	Equipment Failure	47%	2Q 2020	
	SAIDI	679.38	Trees Off ROW-Tree	31%	3Q 2020	
	SAIFI	2.36	Trees Off ROW-Limb	16%		
	CAIDI	287	All Other	6%		
	Customer Minutes	539,424				
	Customers Affected	1,877				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Thermovision and overhead inspection				Complete	Apr-20
Mainline forestry aerial patrol				Complete	Jul-20	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
35	Lickdale	00625-2	Lebanon	1,009	79	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.92	Trees Off ROW-Tree	58%	3Q 2020	
	SAIDI	520.10	Line Failure	15%		
	SAIFI	1.93	Unknown	10%		
	CAIDI	270	All Other	17%		
	Customer Minutes	524,782				
	Customers Affected	1,947				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) device #1				Complete	Oct-19
	Install Supervisory Control and Data Acquisition (SCADA) device #2				Complete	Nov-19
Rank	Substation	Circuit	District	Customers	Outages	
36	Windsor	00797-4	York	1,590	66	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.90	Trees Off ROW-Tree	58%	4Q 2019	
	SAIDI	320.25	Forced Outage	33%	1Q 2020	
	SAIFI	3.48	Unknown	3%	2Q 2020	
	CAIDI	92	All Other	6%	3Q 2020	
	Customer Minutes	509,201				
	Customers Affected	5,536				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace/repair high priority items identified during overhead circuit patrol				Complete	Oct-19
	Targeted Mainline Inspection				Complete	Oct-19
Enhanced tree removal				Complete	Dec-19	
Upgrade fusing				To be completed 2020	20%	
Rank	Substation	Circuit	District	Customers	Outages	
37	Yorkana	00716-4	York	1,346	21	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.88	Trees Off ROW-Limb	37%	3Q 2020	
	SAIDI	371.71	Vehicle	35%		
	SAIFI	3.92	Trees Off ROW-Tree	20%		
	CAIDI	95	All Other	8%		
	Customer Minutes	500,316				
	Customers Affected	5,274				
<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>	
On cycle tree trimming				Complete	Jul-20	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
38	Swatara Hill	00765-2	Lebanon	611	38	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.85	Trees Off ROW-Tree	60%	3Q 2020	
	SAIDI	793.64	Equipment Failure	29%		
	SAIFI	2.36	Trees On ROW	6%		
	CAIDI	337	All Other	5%		
	Customer Minutes	484,913				
	Customers Affected	1,439				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) device #1				Complete	Oct-19
	Install Supervisory Control and Data Acquisition (SCADA) device #2				Complete	Nov-19
	Install Supervisory Control and Data Acquisition (SCADA) device #3				Complete	Dec-19
	Install Supervisory Control and Data Acquisition (SCADA) device #4				To be completed 2020	50%
	Rank	Substation	Circuit	District	Customers	Outages
39	North Temple	00778-1	Reading	1,196	29	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.81	Trees Off ROW-Tree	31%	3Q 2020	
	SAIDI	384.54	Vehicle	30%		
	SAIFI	3.95	Animal	20%		
	CAIDI	97	All Other	20%		
	Customer Minutes	459,905				
	Customers Affected	4,724				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Overhead mainline circuit inspection				Complete	Mar-20

<b>Met-Ed</b>					
<b>Unranked circuits appearing 2 or more quarters in the last 4 quarters</b>					
<b>Substation</b>	<b>Circuit</b>	<b>4Q 2019</b>	<b>1Q 2020</b>	<b>2Q 2020</b>	<b>3Q 2020</b>
Barto	00705-1	X	X		
Bernville	00786-1	X	X	X	
Broad Street	00776-2		X	X	
Campbelltown	00731-2	X	X		
Carsonia	00764-1	X	X		
Crossroads	00728-4	X	X	X	
Crossroads	00729-4	X	X	X	
East Prospect	00765-4	X	X		
Fairview	00519-4	X	X		
Ferndale	00871-3	X	X		
Hill	00734-4	X	X	X	
Hokes	00587-4	X	X		
Lickdale	00626-2	X	X		
Lynnville	00735-1	X	X		
Newberry	00576-4	X	X		
North Cornwall	00610-2	X	X	X	
Painted Sky	00650-1	X	X		
Palmer	00657-3	X	X		
Raintree	00642-4	X	X		
South 6th St	00415-2	X	X		
Saylorsburg	00114-3	X	X		
Taxville	00575-4	X	X	X	

<b>Met-Ed</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work</b>	<b>Progress of Remedial Work or Date Completed</b>
Barto	00705-1	Overhead circuit inspection	To be completed 2020	99%
Barto	00705-1	Install TripSaver LTIP (Notif #106017734)	To be completed 2020	50%
Bernville	00786-1	Install TripSaver Recloser LTIP #1	To be completed 2020	50%
Bernville	00786-1	Install TripSaver Recloser LTIP #2	To be completed 2020	50%
Bernville	00786-1	Install TripSaver Recloser LTIP #3	To be completed 2020	50%
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) switch #3	To be completed 2020	50%
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) switch #4	To be completed 2020	50%
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) switch #5	To be completed 2020	50%

<b>Met-Ed</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work</b>	<b>Progress of Remedial Work or Date Completed</b>
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) switch #6	To be completed 2020	50%
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) switch #7	To be completed 2020	50%
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) recloser #1	To be completed 2020	50%
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) recloser #2	To be completed 2020	50%
Bernville	00786-1	Install Supervisory Control and Data Acquisition (SCADA) recloser #3	To be completed 2020	50%
Broad Street	00776-2	On cycle tree trimming	To be completed 2020	98%
Campbelltown	00731-2	Upgrade fusing	Complete	Sep-20
Crossroads	00728-4	Install TripSaver Recloser	To be completed 2020	0%
Crossroads	00728-4	Install Supervisory Control and Data Acquisition (SCADA) switch	To be completed 2020	0%
Crossroads	00728-4	Install Supervisory Control and Data Acquisition (SCADA) switch	To be completed 2020	0%
Fairview	00519-4	Install Supervisory Control and Data Acquisition (SCADA) recloser #1	To be completed 2020	50%
Fairview	00519-4	Install Supervisory Control and Data Acquisition (SCADA) recloser #2	To be completed 2020	50%
Fairview	00519-4	Install Supervisory Control and Data Acquisition (SCADA) recloser #3	To be completed 2020	50%
Fairview	00519-4	Install Supervisory Control and Data Acquisition (SCADA) recloser #4	To be completed 2020	50%
Fairview	00519-4	Add Supervisory Control and Data Acquisition (SCADA) to recloser #1	To be completed 2020	50%
Fairview	00519-4	Add Supervisory Control and Data Acquisition (SCADA) to recloser #2	To be completed 2020	50%
Ferndale	00871-3	Install TripSaver Recloser	To be completed 2020	0%
Hill	00734-4	On cycle tree trimming	Complete	Sep-20
Hill	00734-4	Install TripSaver Recloser #1	To be completed 2020	0%
Hill	00734-4	Install TripSaver Recloser #2	To be completed 2020	0%
Hokes	00587-4	Repair/replace high priority items identified during inspection	Complete	Aug-20
Lickdale	00626-2	Install fusing	Complete	Aug-20
Lynnville	00735-1	Install TripSaver Recloser #1	To be completed 2020	50%
Lynnville	00735-1	Install TripSaver Recloser #2	To be completed 2020	50%
Lynnville	00735-1	Install Supervisory Control and Data Acquisition (SCADA) recloser #1	To be completed 2020	50%
Lynnville	00735-1	Install Supervisory Control and Data Acquisition (SCADA) switch #4	To be completed 2020	50%
Newberry	00576-4	Repair/replace high priority items identified during inspection	To be completed 2020	98%
North Cornwall	00610-2	On cycle tree trimming	To be completed 2020	99%
Painted Sky	00650-1	Install additional mainline disconnects	To be completed 2020	50%
Palmer	00657-3	Overhead circuit inspection	Complete	Jul-20
Raintree	00642-4	Install TripSaver Recloser	To be completed 2020	0%
S 6Th St	00415-2	Install fusing on mainline taps	To be completed 2020	50%
Taxville	00575-4	Repair/Replace items from Overhead Inspection	Complete	Jul-20
Annville Substation	00740-2	Targeted forestry inspection and trimming	Complete	Aug-20
Belfast	00812-3	Install Supervisory Control and Data Acquisition (SCADA) recloser	Complete	Sep-20
Belfast	00812-3	Install Supervisory Control and Data Acquisition (SCADA) switch	To be completed 2020	90%

<b>Met-Ed</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work</b>	<b>Progress of Remedial Work or Date Completed</b>
Clearfield	00631-3	Construct circuit tie	Complete	Sep-20
Clearfield	00632-3	Construct circuit tie	Complete	Sep-20
Shawnee	00822-3	Install Supervisory Control and Data Acquisition (SCADA) switch	Complete	Sep-20
Shawnee	00860-3	Install TripSaver Recloser	To be completed 2020	50%
Springwood	00680-4	On cycle tree trimming	To be completed 2020	10%
Springwood	00680-4	Install Supervisory Control and Data Acquisition (SCADA) switch #1	To be completed 2020	25%
Springwood	00680-4	Install Supervisory Control and Data Acquisition (SCADA) switch #2	To be completed 2020	25%
Stouchburg	00758-2	Line project to reconductor 4 spans and improve coordination	To be completed 2020	50%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
1	Two Mile	00127-42	Bradford	1,281	47
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	4.56	Trees Off ROW-Tree	60%	4Q 2019
	SAIDI	2,059.98	Equipment Failure	25%	1Q 2020
	SAIFI	4.40	Trees - Sec/Service	5%	2Q 2020
	CAIDI	467.71	All Other	9%	3Q 2020
	Customer Minutes	2,638,830			
	Customers Affected	5,642			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Dec-19
	Repair damage caused by vehicle accident			Complete	Dec-19
	Repair equipment failure			Complete	Feb-20
	Repair line failure			Complete	Apr-20
	Repair damage caused by trees			Complete	Jul-20
Repair damage caused by trees during a storm			Complete	Aug-20	
Install advanced Dx protective devices			Complete	Aug-20	
Circuit inspection			Complete	Sep-20	
Rank	Substation	Circuit	District	Customers	Outages
2	Warren South	00220-41	Warren	2,842	102
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	4.52	Trees Off ROW-Tree	65%	4Q 2019
	SAIDI	921.46	Equipment Failure	24%	1Q 2020
	SAIFI	1.90	Planned Outage	4%	2Q 2020
	CAIDI	483.97	All Other	7%	3Q 2020
	Customer Minutes	2,618,781			
	Customers Affected	5,411			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Nov-19
	Repair equipment failure			Complete	Jan-20
	Repair damage caused by trees			Complete	Mar-20
	Repair damage caused by trees during a storm			Complete	Aug-20
	Repair damage caused by trees during a storm			Complete	Aug-20
Circuit inspection			Complete	Sep-20	
Install advanced Dx protective devices			To be Completed 2020	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
3	Bradford South	00106-42	Bradford	1,184	44
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.88	Trees Off ROW-Tree	84%	3Q 2020
	SAIDI	1,895.80	Planned Outage	8%	
	SAIFI	2.31	Lightning	2%	
	CAIDI	822.21	All Other	5%	
	Customer Minutes	2,244,623			
	Customers Affected	2,730			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Aug-20
	Repair damage caused by trees during a storm			Complete	Sep-20
Rank	Substation	Circuit	District	Customers	Outages
4	North Warren	00596-41	Warren	1,126	70
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.95	Trees Off ROW-Tree	77%	2Q 2020
	SAIDI	1,518.82	Equipment Failure	10%	3Q 2020
	SAIFI	4.67	Lightning	2%	
	CAIDI	325.38	All Other	11%	
	Customer Minutes	1,710,196			
	Customers Affected	5,256			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jan-20
	Repair equipment failure			Complete	May-20
Repair damage caused by trees during a storm			Complete	Jan-20	
Repair damage caused by trees during a storm			Complete	Aug-20	
Repair damage caused by trees during a storm			Complete	Sep-20	
Rank	Substation	Circuit	District	Customers	Outages
5	Lewis Run	00408-42	Bradford	1,175	44
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.64	Trees Off ROW-Tree	92%	3Q 2020
	SAIDI	1,300.25	Planned Outage	4%	
	SAIFI	2.76	Lightning	3%	
	CAIDI	470.81	All Other	1%	
	Customer Minutes	1,527,789			
	Customers Affected	3,245			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Aug-20
	Repair damage caused by trees during a storm			Complete	Sep-20

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
6	Meyersdale North	00022-12	Somerset	1,549	52
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.56	Trees Off ROW-Tree	91%	1Q 2020
	SAIDI	959.04	Vehicle	5%	2Q 2020
	SAIFI	2.86	Lightning	1%	3Q 2020
	CAIDI	335.57	All Other	3%	
	Customer Minutes	1,485,550			
	Customers Affected	4,427			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle			Complete	Oct-19
	Repair damage caused by trees during a storm			Complete	Feb-20
	Repair damage caused by trees during a storm			Complete	Apr-20
	Repair damage caused by trees during a storm			Complete	Jun-20
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
7	North Warren	00207-41	Warren	1,362	100
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.55	Trees Off ROW-Tree	69%	4Q 2019
	SAIDI	1,082.83	Ice	16%	1Q 2020
	SAIFI	6.33	Line Failure	5%	2Q 2020
	CAIDI	171.01	All Other	9%	3Q 2020
	Customer Minutes	1,474,812			
	Customers Affected	8,624			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Dec-19
	Repair damage caused by trees during a storm			Complete	Jan-20
	Repair damage caused by ice			Complete	Feb-20
	Repair damage caused by trees during a storm			Complete	May-20
	Circuit inspection			Complete	Apr-20
Targeted circuit rehabilitation			Complete	Aug-20	
Install advanced Dx protective devices			To be Completed 2020	0%	
Install new radio-controlled switch			To be Completed 2020	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
8	Tiffany	00435-65	Montrose	1,386	42
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.29	Trees Off ROW-Tree	43%	2Q 2020
	SAIDI	958.93	Line Failure	26%	3Q 2020
	SAIFI	2.84	Animal	10%	
	CAIDI	337.93	All Other	20%	
	Customer Minutes	1,329,076			
	Customers Affected	3,933			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by an animal			Complete	Oct-19
	Repair damage caused by trees during a storm			Complete	Apr-20
	Repair Line failure			Complete	Aug-20
	Rank	Substation	Circuit	District	Customers
9	N Meshoppen Tran	00534-65	Montrose	823	51
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.22	Trees Off ROW-Tree	71%	4Q 2019
	SAIDI	1,559.79	Line Failure	18%	1Q 2020
	SAIFI	3.70	Equipment Failure	5%	2Q 2020
	CAIDI	421.30	All Other	6%	3Q 2020
	Customer Minutes	1,283,708			
	Customers Affected	3,047			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Dec-19
	Repair line failure			Complete	Dec-19
	Repair damage caused by trees during a storm			Complete	Jul-20
	Rank	Substation	Circuit	District	Customers
10	Dubois	00137-23	Dubois	3,205	129
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.04	Trees Off ROW-Tree	67%	4Q 2019
	SAIDI	369.38	Equipment Failure	12%	1Q 2020
	SAIFI	1.99	Line Failure	7%	2Q 2020
	CAIDI	185.62	All Other	14%	3Q 2020
	Customer Minutes	1,183,877			
	Customers Affected	6,378			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Nov-19
	Repair damage caused by line failure			Complete	Jan-20
	Repair equipment failure			Complete	May-20
	Circuit inspection			Complete	Mar-20
Install advanced Dx protective devices			Complete	Jun-20	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
11	East Sayre	00518-61	Towanda	944	37
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.94	Unknown	72%	4Q 2019
	SAIDI	1,187.44	Equipment Failure	17%	1Q 2020
	SAIFI	3.74	Lightning	5%	2Q 2020
	CAIDI	317.28	All Other	6%	3Q 2020
	Customer Minutes	1,120,948			
	Customers Affected	3,533			
	Remedial Action Planned or Taken			Status	Progress
	Restore breaker operation of unknown cause			Complete	Nov-19
	Repair equipment failure			Complete	May-20
	Circuit inspection			Complete	Apr-20
Rank	Substation	Circuit	District	Customers	Outages
12	East Hickory	00201-41	Warren	321	32
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.80	Trees Off ROW-Tree	82%	3Q 2020
	SAIDI	3,243.14	Line Failure	7%	
	SAIFI	5.17	Animal	2%	
	CAIDI	627.89	All Other	8%	
	Customer Minutes	1,041,048			
	Customers Affected	1,658			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Nov-19
	Repair damage caused by trees during a storm			Complete	Aug-20
	Rank	Substation	Circuit	District	Customers
13	Wellsboro	00324-63	Mansfield Pa	251	28
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.74	Trees Off ROW-Tree	65%	4Q 2019
	SAIDI	4,011.79	Equipment Failure	14%	1Q 2020
	SAIFI	5.00	Unknown	7%	2Q 2020
	CAIDI	803.00	All Other	13%	3Q 2020
	Customer Minutes	1,006,960			
	Customers Affected	1,254			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Dec-19
	Restored fuse operation of unknown cause			Complete	Apr-20
	Repair damage caused by trees			Complete	Aug-20

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
14	French Road	00222-31	Erie	1,508	24
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.73	Trees Off ROW-Tree	52%	2Q 2020
	SAIDI	665.49	Line Failure	21%	3Q 2020
	SAIFI	3.10	Trees Off ROW-Limb	14%	
	CAIDI	214.62	All Other	13%	
	Customer Minutes	1,003,565			
	Customers Affected	4,676			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Jan-20
	Repair line failure			Complete	Jan-20
	Repair damage caused by trees during a storm			Complete	Jun-20
	Repair damage caused by trees during a storm			Complete	Aug-20
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
15	Somerset	00017-12	Somerset	1,368	40
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.64	Trees Off ROW-Tree	85%	2Q 2020
	SAIDI	695.57	Planned Outage	10%	3Q 2020
	SAIFI	1.95	Unknown	2%	
	CAIDI	357.45	All Other	3%	
	Customer Minutes	951,540			
	Customers Affected	2,662			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Oct-19
	Repair damage caused by trees during a storm			Complete	Apr-20
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
16	Natl Forge Sw Sta	00577-41	Warren	1,183	50
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.54	Trees Off ROW-Tree	84%	3Q 2020
	SAIDI	755.84	Equipment Failure	8%	
	SAIFI	9.41	Forced Outage	4%	
	CAIDI	80.32	All Other	4%	
	Customer Minutes	894,159			
	Customers Affected	11,133			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Aug-20
Repair damage caused by trees			Complete	Sep-20	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
17	Springboro	00237-52	Meadville	2,532	79
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.53	Trees Off ROW-Tree	40%	4Q 2019
	SAIDI	349.22	Line Failure	27%	1Q 2020
	SAIFI	3.15	Bird	11%	2Q 2020
	CAIDI	110.92	All Other	22%	3Q 2020
	Customer Minutes	884,220			
	Customers Affected	7,972			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by bird			Complete	Oct-19
	Targeted circuit rehabilitation			Complete	Dec-19
	Repair damage caused by trees during a storm			Complete	Mar-20
	Repair line failure			Complete	Sep-20
	Install advanced Dx protective devices			To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
18	Grover	00527-63	Towanda	1,048	79
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.46	Trees Off ROW-Tree	39%	4Q 2019
	SAIDI	805.77	Trees Off ROW-Limb	18%	1Q 2020
	SAIFI	2.29	Animal	17%	2Q 2020
	CAIDI	351.85	All Other	27%	3Q 2020
	Customer Minutes	844,447			
	Customers Affected	2,400			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by an squirrel			Complete	Dec-19
	Repair damage caused by trees during a storm			Complete	Apr-20
	Repair damage caused by trees during a storm			Complete	Jul-20
	Circuit inspection			Complete	May-20
	Rank	Substation	Circuit	District	Customers
19	Hooversville	00019-12	Somerset	1,605	50
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.41	Trees Off ROW-Tree	43%	2Q 2020
	SAIDI	509.72	Equipment Failure	29%	3Q 2020
	SAIFI	3.91	Planned Outage	10%	
	CAIDI	130.33	All Other	18%	
	Customer Minutes	818,102			
	Customers Affected	6,277			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Apr-20
Repair damage caused by trees during a storm			Complete	Apr-20	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
20	Lake Como	00787-65	Montrose	896	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.41	Line Failure	41%	4Q 2019
	SAIDI	912.04	Equipment Failure	21%	1Q 2020
	SAIFI	2.67	Unknown	16%	2Q 2020
	CAIDI	341.35	All Other	21%	3Q 2020
	Customer Minutes	817,185			
	Customers Affected	2,394			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Dec-19
	Restore recloser operation of unknown cause			Complete	Dec-19
	Circuit inspection			Complete	Mar-20
	Repair equipment failure			Complete	Apr-20
	Install advanced Dx protective devices			To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
21	Piney	00523-51	Oil City	1,501	55
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.41	Trees Off ROW-Tree	43%	4Q 2019
	SAIDI	544.43	Unknown	18%	1Q 2020
	SAIFI	3.34	Lightning	16%	2Q 2020
	CAIDI	163.08	All Other	23%	3Q 2020
	Customer Minutes	817,182			
	Customers Affected	5,011			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jan-20
	Repair damage caused by trees during a storm			Complete	Mar-20
	Install advanced Dx protective devices			Complete	Aug-20
	Repair damage caused by lightning			Complete	Sep-20
	Install new radio-controlled switch			Complete	Sep-20
On cycle tree trimming			To be Completed 2020	80%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
22	Covington	00729-63	Mansfield Pa	778	39
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.40	Equipment Failure	52%	4Q 2019
	SAIDI	1,043.18	Forced Outage	13%	2Q 2020
	SAIFI	2.11	Unknown	10%	3Q 2020
	CAIDI	493.37	All Other	25%	
	Customer Minutes	811,591			
	Customers Affected	1,645			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Oct-19
	Restored fuse operation of unknown cause			Complete	Dec-19
Rank	Substation	Circuit	District	Customers	Outages
23	Logan	00700-81	Lewistown	993	38
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.40	Trees Off ROW-Tree	69%	4Q 2019
	SAIDI	816.80	Planned Outage	18%	1Q 2020
	SAIFI	6.13	Lightning	5%	2Q 2020
	CAIDI	133.14	All Other	9%	3Q 2020
	Customer Minutes	811,078			
	Customers Affected	6,092			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Dec-19
	Repair damage caused by trees during a storm			Complete	Mar-20
Circuit inspection			Complete	Apr-20	
Rank	Substation	Circuit	District	Customers	Outages
24	Russell Hill	00282-65	Montrose	1,000	80
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.31	Trees Off ROW-Tree	65%	4Q 2019
	SAIDI	759.25	Planned Outage	12%	1Q 2020
	SAIFI	2.96	Trees Off ROW-Limb	7%	2Q 2020
	CAIDI	256.94	All Other	17%	3Q 2020
	Customer Minutes	759,254			
	Customers Affected	2,955			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees			Complete	Dec-19
	Restore fuse operation of unknown cause			Complete	Dec-19
Repair damage caused by trees during a storm			Complete	Jul-20	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
25	Greenwood	00041-71	Altoona	1,234	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.30	Equipment Failure	92%	3Q 2020
	SAIDI	612.14	Line Failure	5%	
	SAIFI	2.16	Trees On ROW	1%	
	CAIDI	283.12	All Other	2%	
	Customer Minutes	755,375			
	Customers Affected	2,668			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Aug-20
	Repair equipment failure			Complete	Sep-20
	Rank	Substation	Circuit	District	Customers
26	Mcveytown	00112-81	Lewistown	1,291	58
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.18	Trees Off ROW-Tree	60%	2Q 2020
	SAIDI	530.50	Line Failure	23%	3Q 2020
	SAIFI	2.15	Trees Off ROW-Limb	7%	
	CAIDI	246.98	All Other	10%	
	Customer Minutes	684,872			
	Customers Affected	2,773			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Apr-20
	Repair damage caused by a tree during a storm			Complete	Jun-20
	Rank	Substation	Circuit	District	Customers
27	Hooversville	00018-12	Somerset	749	36
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.17	Trees Off ROW-Tree	80%	2Q 2020
	SAIDI	902.93	Trees Off ROW-Limb	7%	3Q 2020
	SAIFI	2.41	Vehicle	7%	
	CAIDI	374.68	All Other	6%	
	Customer Minutes	676,292			
	Customers Affected	1,805			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-20
	Repair damage caused by trees during a storm			Complete	Apr-20
	Repair damage caused by trees during a storm			Complete	Apr-20

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
28	Mansfield	00559-63	Mansfield Pa	560	37
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.16	Other Electric Utility	32%	4Q 2019
	SAIDI	1,197.18	Equipment Failure	25%	1Q 2020
	SAIFI	3.03	Unknown	18%	2Q 2020
	CAIDI	395.53	All Other	25%	3Q 2020
	Customer Minutes	670,423			
	Customers Affected	1,695			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restore fuse operation of unknown cause			Complete	Dec-19
	Repair equipment failure			Complete	Apr-20
	Targeted circuit rehabilitation			To be Completed 2020	0%
	Rank	Substation	Circuit	District	Customers
29	Blairsville East	00082-13	Indiana	1,563	40
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.14	Forced Outage	35%	4Q 2019
	SAIDI	422.39	Line Failure	18%	3Q 2020
	SAIFI	1.71	Trees Off ROW-Tree	18%	
	CAIDI	247.36	All Other	29%	
	Customer Minutes	660,195			
	Customers Affected	2,669			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-20
	Install advanced Dx protective devices			Complete	Jun-20
	Repair line failure			Complete	Jul-20
	Repair equipment failure			Complete	Aug-20
On cycle tree trimming			To be Completed 2020	99%	
Rank	Substation	Circuit	District	Customers	Outages
30	Ansonia	00740-63	Mansfield Pa	171	23
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.14	Unknown	56%	4Q 2019
	SAIDI	3,853.96	Trees Off ROW-Tree	17%	1Q 2020
	SAIFI	3.94	Planned Outage	15%	2Q 2020
	CAIDI	979.24	All Other	13%	3Q 2020
	Customer Minutes	659,027			
	Customers Affected	673			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restored breaker operation of unknown cause			Complete	Dec-19
Repair damage caused by trees during a storm			Complete	Apr-20	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
31	Morgan Street	00233-52	Meadville	916	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.13	Vehicle	83%	3Q 2020
	SAIDI	715.08	Trees Off ROW-Tree	6%	
	SAIFI	1.54	Planned Outage	4%	
	CAIDI	463.56	All Other	7%	
	Customer Minutes	655,013			
	Customers Affected	1,413			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by vehicle accident			Complete	Sep-20
Rank	Substation	Circuit	District	Customers	Outages
32	Lake Como	00788-65	Montrose	634	27
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.12	Trees Off ROW-Tree	86%	2Q 2020
	SAIDI	1,021.05	Equipment Failure	7%	3Q 2020
	SAIFI	2.99	Line Failure	4%	
	CAIDI	341.61	All Other	3%	
	Customer Minutes	647,347			
	Customers Affected	1,895			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Dec-19
Repair damage caused by trees during a storm			Complete	Apr-20	
Rank	Substation	Circuit	District	Customers	Outages
33	Tunkhannock	00533-65	Montrose	1,202	43
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.10	Trees Off ROW-Tree	82%	2Q 2020
	SAIDI	531.62	Unknown	9%	3Q 2020
	SAIFI	1.84	Equipment Failure	4%	
	CAIDI	289.41	All Other	6%	
	Customer Minutes	639,011			
	Customers Affected	2,208			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
Repair damage caused by trees during a storm			Complete	Apr-20	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
34	Lewis Run	00409-42	Bradford	641	29	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.08	Trees Off ROW-Tree	49%	3Q 2020	
	SAIDI	980.22	Forced Outage	25%		
	SAIFI	6.93	Equipment Failure	15%		
	CAIDI	141.51	All Other	11%		
	Customer Minutes	628,321				
	Customers Affected	4,440				
	Remedial Action Planned or Taken			Status	Progress	
	Repair damage caused by vehicle accident			Complete	Feb-20	
	Repair damage caused by trees during a storm			Complete	Aug-20	
	Repair equipment failure			Complete	Sep-20	
	Rank	Substation	Circuit	District	Customers	Outages
35	Blairsville East	00080-13	Indiana	1,015	25	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.08	Trees Off ROW-Tree	80%	3Q 2020	
	SAIDI	614.67	Equipment Failure	15%		
	SAIFI	2.68	Line Failure	2%		
	CAIDI	229.63	All Other	3%		
	Customer Minutes	623,894				
	Customers Affected	2,717				
	Remedial Action Planned or Taken			Status	Progress	
	Repair damage caused by trees during a storm			Complete	Aug-20	
	Repair damage caused by trees during a storm			Complete	Aug-20	
	Rank	Substation	Circuit	District	Customers	Outages
	36	Brookville	00125-23	Dubois	615	32
Reliability		Outage by Cause		Previously Ranked		
SAIDI Impact		1.04	Trees Off ROW-Tree	57%	4Q 2019	
SAIDI		977.89	Line Failure	13%	1Q 2020	
SAIFI		7.59	Unknown	10%	2Q 2020	
CAIDI		128.84	All Other	19%	3Q 2020	
Customer Minutes		601,405				
Customers Affected		4,668				
Remedial Action Planned or Taken			Status	Progress		
Repair line failure			Complete	Dec-19		
On cycle tree trimming			Complete	Nov-19		
Restore fuse operation of unknown cause			Complete	Dec-19		
Repair damage caused by vehicle accident			Complete	Jan-20		
Repair damage caused by trees during a storm			Complete	May-20		

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
37	Marienville	00328-51	Oil City	1,098	56
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.95	Trees Off ROW-Tree	70%	4Q 2019
	SAIDI	500.04	Unknown	10%	1Q 2020
	SAIFI	2.57	Planned Outage	4%	2Q 2020
	CAIDI	194.63	All Other	16%	3Q 2020
	Customer Minutes	549,039			
	Customers Affected	2,821			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jan-20
	Install advanced Dx protective devices			Complete	May-20
	Circuit inspection			Complete	Sep-20
	Rank	Substation	Circuit	District	Customers
38	Union City Sub	00206-43	Eric	2,852	118
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.92	Trees Off ROW-Tree	47%	4Q 2019
	SAIDI	186.28	Planned Outage	17%	1Q 2020
	SAIFI	1.96	Equipment Failure	14%	2Q 2020
	CAIDI	94.94	All Other	22%	3Q 2020
	Customer Minutes	531,262			
	Customers Affected	5,596			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Oct-19
	Repair damage caused by trees during a storm			Complete	Jan-20
	Repair damage caused by trees during a storm			Complete	Aug-20
	Repair equipment failure			Complete	Jun-20
Install new radio-controlled switch			To be Completed 2020	95%	
Targeted circuit rehabilitation			To be Completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages
39	Dubois Central	00119-23	Dubois	1,267	52
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.89	Trees Off ROW-Tree	72%	2Q 2020
	SAIDI	404.97	Equipment Failure	20%	3Q 2020
	SAIFI	1.75	Unknown	5%	
	CAIDI	231.65	All Other	4%	
	Customer Minutes	513,100			
	Customers Affected	2,215			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Jun-20
	Repair damage caused by trees during a storm			Complete	Jun-20
Repair damage caused by trees during a storm			Complete	Jun-20	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
40	Birmingham	00168-22	Philipsburg	1,080	50	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.88	Trees Off ROW-Tree	37%	4Q 2019	
	SAIDI	469.58	Forced Outage	35%	1Q 2020	
	SAIFI	1.73	Planned Outage	12%	2Q 2020	
	CAIDI	271.05	All Other	16%	3Q 2020	
	Customer Minutes	507,141				
	Customers Affected	1,871				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install advanced Dx protective devices				Complete	Aug-20
	Repair damage from lightning				Complete	Aug-20
	Rank	Substation	Circuit	District	Customers	Outages
41	Laurel Lake Sub Tran	00449-65	Montrose	515	36	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.85	Trees Off ROW-Tree	35%	1Q 2020	
	SAIDI	955.37	Line Failure	28%	2Q 2020	
	SAIFI	5.07	Equipment Failure	19%	3Q 2020	
	CAIDI	188.58	All Other	18%		
	Customer Minutes	492,016				
	Customers Affected	2,609				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Complete	Feb-20
	Repair line failure				Complete	Apr-20
	Repair damage caused by trees during a storm				Complete	Aug-20
Rank	Substation	Circuit	District	Customers	Outages	
42	Roxbury	00138-83	Shippensburg	508	23	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.83	Lightning	70%	3Q 2020	
	SAIDI	945.78	Trees Off ROW-Tree	15%		
	SAIFI	1.75	Vehicle	7%		
	CAIDI	540.45	All Other	8%		
	Customer Minutes	480,457				
	Customers Affected	889				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning				Complete	Aug-20
	Repair damage caused by trees during a storm				Complete	Aug-20

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
43	Meyersdale North	00004-12	Somerset	582	18
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.82	Trees Off ROW-Tree	83%	2Q 2020
	SAIDI	816.63	Line Failure	11%	3Q 2020
	SAIFI	2.82	Unknown	3%	
	CAIDI	289.80	All Other	4%	
	Customer Minutes	475,276			
	Customers Affected	1,640			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-20
Rank	Substation	Circuit	District	Customers	Outages
44	Union City Sub	00208-43	Erie	1,524	93
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.80	Trees Off ROW-Tree	49%	3Q 2020
	SAIDI	303.06	Animal	17%	
	SAIFI	3.03	Equipment Failure	12%	
	CAIDI	99.93	All Other	23%	
	Customer Minutes	461,866			
	Customers Affected	4,622			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Jul-20
Repair damage caused by animal			Complete	Feb-20	
Repair equipment failure			Complete	Feb-20	
Rank	Substation	Circuit	District	Customers	Outages
45	Sabinsville Trans	00567-63	Mansfield Pa	145	21
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.78	Equipment Failure	70%	2Q 2020
	SAIDI	3,119.74	Forced Outage	14%	3Q 2020
	SAIFI	5.70	Planned Outage	12%	
	CAIDI	546.99	All Other	3%	
	Customer Minutes	452,362			
	Customers Affected	827			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
Repair equipment failure			Complete	Dec-19	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
46	Industrial Park	00796-65	Montrose	357	13
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.78	Line Failure	39%	2Q 2020
	SAIDI	1,257.53	Ice	38%	3Q 2020
	SAIFI	3.48	Trees Off ROW-Tree	22%	
	CAIDI	361.75	All Other	1%	
	Customer Minutes	448,937			
	Customers Affected	1,241			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	Dec-19
	Repair damage caused by ice			Complete	Apr-20
	Rank	Substation	Circuit	District	Customers
47	Clearfield	00148-21	Clearfield	1,875	46
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.77	Trees Off ROW-Tree	40%	3Q 2020
	SAIDI	236.50	Equipment Failure	34%	
	SAIFI	2.50	Line Failure	21%	
	CAIDI	94.73	All Other	4%	
	Customer Minutes	443,439			
	Customers Affected	4,681			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Jan-20
	Repair damage caused by trees during a storm			Complete	Mar-20
	Repair line failure			Complete	Jul-20
Rank	Substation	Circuit	District	Customers	Outages
48	Northeast	00592-31	Erie	1,601	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.73	Animal	61%	3Q 2020
	SAIDI	263.55	Equipment Failure	19%	
	SAIFI	1.84	Line Failure	9%	
	CAIDI	143.18	All Other	11%	
	Customer Minutes	421,937			
	Customers Affected	2,947			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Sep-20
Repair damage caused by animal			Complete	Sep-20	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
49	Falls	00297-65	Montrose	802	16	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.72	Trees Off ROW-Tree	83%	4Q 2019	
	SAIDI	516.39	Line Failure	12%	1Q 2020	
	SAIFI	2.17	Forced Outage	3%	3Q 2020	
	CAIDI	238.01	All Other	3%		
	Customer Minutes	414,144				
	Customers Affected	1,740				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Dec-19
	On cycle tree trimming				Complete	May-20
	Repair damage caused by trees				Complete	Jul-20
Rank	Substation	Circuit	District	Customers	Outages	
50	Corry East	00247-43	Warren	297	23	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.68	Trees Off ROW-Tree	90%	3Q 2020	
	SAIDI	1,334.34	Equipment Failure	3%		
	SAIFI	1.73	Trees On ROW	3%		
	CAIDI	772.51	All Other	4%		
	Customer Minutes	396,299				
	Customers Affected	513				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Sep-20
	Repair damage caused by trees during a storm				Complete	Sep-20
	Rank	Substation	Circuit	District	Customers	Outages
51	Utica Junction	00331-51	Oil City	642	40	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.68	Trees Off ROW-Tree	58%	4Q 2019	
	SAIDI	609.03	Line Failure	18%	1Q 2020	
	SAIFI	2.26	Vehicle	15%	2Q 2020	
	CAIDI	268.91	All Other	8%	3Q 2020	
	Customer Minutes	391,000				
	Customers Affected	1,454				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Mar-20
	Install advanced Dx protective devices				To be Completed 2020	0%
	On cycle tree trimming				To be Completed 2020	50%

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
52	Meshoppen	00283-65	Montrose	371	17	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.67	Forced Outage	37%	3Q 2020	
	SAIDI	1,043.44	Trees Off ROW-Tree	31%		
	SAIFI	3.59	Line Failure	19%		
	CAIDI	290.63	All Other	13%		
	Customer Minutes	387,115				
	Customers Affected	1,332				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees				Complete	Apr-20
	Repair line failure				Complete	Jul-20
	Rank	Substation	Circuit	District	Customers	Outages
53	Rockwood	00023-12	Somerset	230	11	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.66	Trees Off ROW-Tree	98%	3Q 2020	
	SAIDI	1,673.33	Human Error -Non-Company	1%		
	SAIFI	2.12	Equipment Failure	0%		
	CAIDI	790.28	All Other	1%		
	Customer Minutes	384,865				
	Customers Affected	487				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Apr-20
	Repair damage caused by trees during a storm				Complete	Jul-20
	Rank	Substation	Circuit	District	Customers	Outages
54	Thompson	00442-65	Montrose	538	27	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.66	Line Failure	78%	4Q 2019	
	SAIDI	712.50	Unknown	10%	1Q 2020	
	SAIFI	3.86	Equipment Failure	4%	3Q 2020	
	CAIDI	184.56	All Other	9%		
	Customer Minutes	383,326				
	Customers Affected	2,077				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Dec-19
	Repair line failure				Complete	Jul-20

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
55	Church	00427-34	Erie	725	41	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.65	Trees Off ROW-Tree	44%	3Q 2020	
	SAIDI	517.32	Equipment Failure	19%		
	SAIFI	4.31	Unknown	19%		
	CAIDI	120.09	All Other	19%		
	Customer Minutes	375,056				
	Customers Affected	3,123				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Restore recloser operation of unknown cause				Complete	Jun-20
	Repair equipment failure				Complete	Jul-20
	Repair damage caused by trees during a storm				Complete	Aug-20
	Rank	Substation	Circuit	District	Customers	Outages
56	Stoystown	00402-12	Somerset	318	12	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.64	Lightning	81%	3Q 2020	
	SAIDI	1,164.33	Trees Off ROW-Tree	15%		
	SAIFI	3.05	Unknown	4%		
	CAIDI	382.10	All Other	0%		
	Customer Minutes	370,256				
	Customers Affected	969				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning				Complete	Apr-20
Rank	Substation	Circuit	District	Customers	Outages	
57	Logan	00701-81	Lewistown	1,297	26	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.62	Line Failure	73%	4Q 2019	
	SAIDI	276.85	Trees Off ROW-Tree	9%	1Q 2020	
	SAIFI	1.88	Planned Outage	8%	2Q 2020	
	CAIDI	147.46	All Other	10%	3Q 2020	
	Customer Minutes	359,074				
	Customers Affected	2,435				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Oct-19
	Repair line failure				Complete	Aug-20
Targeted circuit rehabilitation				Complete	Jun-20	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
58	Gold	00715-63	Mansfield Pa	380	27
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.62	Unknown	29%	3Q 2020
	SAIDI	938.08	Trees Off ROW-Tree	25%	
	SAIFI	4.76	Forced Outage	19%	
	CAIDI	197.27	All Other	27%	
	Customer Minutes	356,469			
	Customers Affected	1,807			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Oct-19
	Repair equipment failure			Complete	Nov-19
	Repair line failure			Complete	Aug-20
	Restore fuse operation of unknown cause			Complete	Sep-20
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
59	Scalp Level	00932-11	Johnstown	1,062	23
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.62	Lightning	48%	3Q 2020
	SAIDI	335.41	Trees Off ROW-Tree	33%	
	SAIFI	2.34	Forced Outage	8%	
	CAIDI	143.52	All Other	11%	
	Customer Minutes	356,207			
	Customers Affected	2,482			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Dec-19
	Repair damage caused by lightning			Complete	Jul-20
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
60	Blossburg	00310-63	Mansfield Pa	248	17
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.61	Equipment Failure	80%	3Q 2020
	SAIDI	1,430.32	Unknown	17%	
	SAIFI	3.36	Planned Outage	2%	
	CAIDI	425.83	All Other	2%	
	Customer Minutes	354,719			
	Customers Affected	833			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
Repair equipment failure			Complete	Jul-20	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
61	Shawville	00151-21	Clearfield	2,068	43
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.61	Unknown	56%	4Q 2019
	SAIDI	169.90	Line Failure	17%	1Q 2020
	SAIFI	4.04	Planned Outage	14%	2Q 2020
	CAIDI	42.05	All Other	13%	3Q 2020
	Customer Minutes	351,352			
	Customers Affected	8,356			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restored breaker operation of unknown cause			Complete	Dec-19
	Repair line failure			Complete	Mar-20
	Restored breaker operation of unknown cause			Complete	Apr-20
	Install advanced Dx protective devices			Complete	Jun-20
	Rank	Substation	Circuit	District	Customers
62	Lake Como	00786-65	Montrose	354	15
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.60	Line Failure	53%	4Q 2019
	SAIDI	977.90	Trees Off ROW-Tree	41%	1Q 2020
	SAIFI	1.64	Ice	3%	2Q 2020
	CAIDI	596.86	All Other	3%	3Q 2020
	Customer Minutes	346,177			
	Customers Affected	580			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Jun-20
	Circuit inspection			Complete	Mar-20

<b>Penelec</b>					
<b>Unranked circuits appearing 2 or more quarters in the last 4 quarters</b>					
<b>Substation</b>	<b>Circuit</b>	<b>4Q 2019</b>	<b>1Q 2020</b>	<b>2Q 2020</b>	<b>3Q 2020</b>
Cambria County Priso	00202-72	X	X		
Carlisle Pike	00643-83	X	X		
Curryville	00644-71	X	X	X	
Dubois	00131-23		X	X	
Dushore	00669-62	X	X		
East Pike	00094-13	X	X	X	
East Pike	00095-13	X	X	X	
Edgewood	00089-13	X	X	X	
Erie East	00234-31		X	X	
Fairview Altoona	00005-71	X	X	X	
Green Garden	00539-31	X	X	X	
Industrial	00170-81	X	X	X	
L And R	00120-81	X	X		
Madera	00165-22	X	X		
Madera	00166-22	X	X	X	
Milroy	00128-81	X	X		
Monroeton	00770-62	X	X		
New Albany Sw Stati	00526-62	X	X		
Philipsburg	00162-22	X	X	X	
Port Allegany	00151-42	X	X	X	
Reedsville	00127-81	X	X	X	
Revloc	00069-72	X	X		
Rolling Meadows	00310-31	X	X		
Salix	00070-11	X		X	
Thompson	00436-65	X	X	X	
Thompson	00446-65	X	X	X	
Tiffany	00440-65	X	X	X	
Timblin	00103-23	X	X		
Tyrone North	00643-22	X	X	X	
Utica Junction	00318-51	X	X	X	
Viscose Hill	00116-81	X	X		
Warren South	00219-41	X	X	X	
Waverly	00164-66		X	X	
Wyalusing	00532-62	X	X		

<b>Penelec</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work Completed</b>	<b>Progress of Remedial Work or Date Completed</b>
Thompson	00436-65	On cycle tree trimming	Complete	Sep-20
Tiffany	00440-65	Targeted circuit rehabilitation	To be Completed 2020	0%
Philipsburg	00162-22	Install advanced Dx protective devices	Complete	Aug-20
Madera	00166-22	Install advanced Dx protective devices	Complete	Aug-20
Madera	00166-22	Circuit inspection	Complete	Sep-20
Curryville	00644-71	On cycle tree trimming	To be Completed 2020	0%
Edgewood	00089-13	Targeted circuit rehabilitation	Complete	Jul-20
Port Allegany Sub	00151-42	Install advanced Dx protective devices	Complete	Aug-20
Port Allegany Sub	00151-42	On cycle tree trimming	To be Completed 2020	95%
Utica Junction	00318-51	Circuit inspection	Complete	Oct-20
Utica Junction	00318-51	On cycle tree trimming	To be Completed 2020	97%
Warren South	00219-41	Install advanced Dx protective devices	To be Completed 2020	0%
Milroy	00128-81	Install advanced Dx protective devices	Complete	Aug-20
Milroy	00128-81	Install new radio-controlled switch	To be Completed 2020	0%
Rolling Meadows	00310-31	Install advanced Dx protective devices	To be Completed 2020	0%
Rolling Meadows	00310-31	Circuit inspection	Complete	Aug-20
Revloc	00069-72	On cycle tree trimming	To be Completed 2020	97%
New Albany SW Station	00526-62	On cycle tree trimming	To be Completed 2020	99%
Timblin	00103-23	Install advanced Dx protective devices	Complete	Sep-20
McConnellstown	00099-82	Install advanced Dx protective devices	To be Completed 2020	0%
Marienville	00327-51	Install new radio controlled recloser	To be Completed 2020	95%

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
1	Enon Valley	D-545	New Castle	1,026	60	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.6	Trees Off ROW-Tree	73%	2Q 2020	
	SAIDI	739	Lightning	20%	3Q 2020	
	SAIFI	1.46	Equipment Failure	3%		
	CAIDI	506	All Other	4%		
	Customer Minutes	758,655				
	Customers Affected	1,500				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by tree				Complete	Oct-19
	Repair damage caused by trees during a storm				Complete	Jun-20
Rank	Substation	Circuit	District	Customers	Outages	
2	BMF	W760	Zelienople	2,660	17	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.3	Trees Off ROW-Tree	71%	1Q 2020	
	SAIDI	268	Trees Off ROW-Limb	23%	2Q 2020	
	SAIFI	2.48	Line Failure	4%	3Q 2020	
	CAIDI	108	All Other	2%		
	Customer Minutes	713,538				
	Customers Affected	6,605				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Mar-20
	Repair damage caused by trees during a storm				Complete	Jun-20
Repair damage caused by trees				Complete	Jul-20	
Rank	Substation	Circuit	District	Customers	Outages	
3	Grant Street	W421	New Castle	938	9	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.2	Trees Off ROW-Tree	77%	2Q 2020	
	SAIDI	742	Vehicle	21%	3Q 2020	
	SAIFI	2.18	Unknown	1%		
	CAIDI	340	All Other	1%		
	Customer Minutes	695,589				
	Customers Affected	2,046				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace pole				Complete	Mar-20
	Repair damage caused by trees during a storm				Complete	Jun-20
Repair damage caused by trees during a storm				Complete	Jul-20	

Penn Power					
Rank					
4	Perry	W-156	Clark	1091	56
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.3	Trees Off ROW-Tree	35%	4Q 2019
	SAIDI	504	Line Failure	21%	3Q 2020
	SAIFI	2.84	Trees Off ROW-Limb	21%	
	CAIDI	177	All Other	23%	
	Customer Minutes	549,944			
	Customers Affected	3,103			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Nov-19
	Repair damage caused by trees during a storm			Complete	Jan-20
	Repair line failure			Complete	Mar-20
	Repair damage caused by trees during a storm			Complete	Jun-20
	Repair damage from bird nest			Complete	Jul-20
Restore switching needed for scheduled repairs			Complete	Jul-20	
Rank	Substation	Circuit	District	Customers	Outages
5	Seneca	W700	Zelienople	1046	65
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.0	Trees Off ROW-Tree	82%	2Q 2020
	SAIDI	481	Line Failure	8%	3Q 2020
	SAIFI	3.27	Bird	4%	
	CAIDI	147	All Other	6%	
	Customer Minutes	502,894			
	Customers Affected	3,417			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Mar-20
	Repair damage caused by trees during a storm			Complete	May-20
	Repair line failure			Complete	Jul-20
	Repair damage caused by trees during a storm			Complete	Aug-20

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
6	Knox	D509	Zelienople	979	22	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.9	Trees Off ROW-Tree	89%	2Q 2020	
	SAIDI	494	Trees Off ROW-Limb	5%	3Q 2020	
	SAIFI	1.73	Equipment Failure	2%		
	CAIDI	285	All Other	4%		
	Customer Minutes	483,618				
	Customers Affected	1,696				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Apr-20
	Repair damage caused by trees during a storm				Complete	Jun-20
	Repair damage caused by trees				Complete	Jul-20
Rank	Substation	Circuit	District	Customers	Outages	
7	Hadley	W-195	Clark	816	33	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.5	Trees Off ROW-Tree	83%	3Q 2020	
	SAIDI	503	Trees Off ROW-Limb	5%		
	SAIFI	1.22	Equipment Failure	3%		
	CAIDI	414	All Other	9%		
	Customer Minutes	410,291				
	Customers Affected	992				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Jun-20
Rank	Substation	Circuit	District	Customers	Outages	
8	Bedford	D-445	New Castle	981	39	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.5	Trees Off ROW-Tree	94%	4Q 2019	
	SAIDI	415	Trees On ROW	2%	1Q 2020	
	SAIFI	1.45	Trees - Sec/Service	1%	3Q 2020	
	CAIDI	287	All Other	3%		
	Customer Minutes	406,925				
	Customers Affected	1,420				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Jun-20
Repair damage caused by trees during a storm				Complete	Aug-20	

Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
9	Stoneboro	W-131	Clark	1339	65
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.3	Trees Off ROW-Tree	30%	4Q 2019
	SAIDI	285	Line Failure	26%	1Q 2020
	SAIFI	1.25	Trees Off ROW-Limb	15%	3Q 2020
	CAIDI	228	All Other	29%	
	Customer Minutes	381,381			
	Customers Affected	1,676			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by trees during a storm			Complete	Oct-19
	Repair damage caused by trees during a storm			Complete	Jan-20
	Repair line failure			Complete	May-20
	Repair damage caused by trees			Complete	Aug-20

Penn Power					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2019	1Q 2020	2Q 2020	3Q 2020
Camp Reynolds	W-134	X	X	X	
Henderson	W-281	X	X	X	
Stoneboro	W-132	X	X		
Thompson Run	D550	X	X		
West Middlesex	W-138	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	Piney Fork	Gillhall	Charleroi	2,207	21
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.5	Line Failure	81%	Q2 2020
	SAIDI	1,135	Trees off ROW	15%	Q3 2020
	SAIFI	2.44	Equipment Failure	2%	
	CAIDI	465	All Other	2%	
	Customer Minutes	2,504,835			
	Customers Affected	5,388			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure during a storm			Complete	Apr-20
	Repair line failure during a storm			Complete	Apr-20
	On cycle Tree Trimming			Complete	Jun-20
	Repair damage caused by a tree during a storm			Complete	Aug-20
	Rank	Substation	Circuit	District	Customers
2	Piney Fork	Cochran Mill	Charleroi	1,194	10
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.5	Line Failure	99%	Q4 2019
	SAIDI	1487	Animal	1%	Q1 2020
	SAIFI	2.24			Q2 2020
	CAIDI	665			Q3 2020
	Customer Minutes	1,775,832			
	Customers Affected	2,669			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Oct-19
	Repair line failure			Complete	Oct-19
	Repair damage caused by an animal			Complete	Jun-20
	Repair damage caused by an animal			Complete	Aug-20
	Overhead circuit inspection			Complete	Aug-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
3	Driftwood	Driftwood	St. Marys	989	41
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.3	Trees off ROW	87%	Q2 2020
	SAIDI	1696	Trees on ROW	6%	Q3 2020
	SAIFI	6-Mar	Line Failure	3%	
	CAIDI	554	All Other	4%	
	Customer Minutes	1,677,688			
	Customers Affected	3,028			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Apr-20
	Repair damage caused by a tree during a storm			Complete	Apr-20
	Overhead circuit inspection			Complete	Apr-20
	Repair damage caused by a tree during a storm			Complete	Aug-20
	Rank	Substation	Circuit	District	Customers
4	Smithton	Fitzhenry	Charleroi	1157	21
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.2	Trees off ROW	98%	Q2 2020
	SAIDI	1,368	Line Failure	1%	Q3 2020
	SAIFI	2.15	Equipment Failure	1%	
	CAIDI	636			
	Customer Minutes	1,582,550			
	Customers Affected	2,489			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle Tree Trimming			Complete	Nov-19
	Repair damage caused by a tree during a storm			Complete	Apr-20
	Repair equipment failure during a storm			Complete	Apr-20
	Repair equipment failure			Complete	Sep-20
	Rank	Substation	Circuit	District	Customers
5	Vandergrift	Grifflo Park	Arnold	2,715	64
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.1	Wind	52%	Q3 2020
	SAIDI	556	Trees off ROW	17%	
	SAIFI	1.67	Unknown	17%	
	CAIDI	332	All Other	14%	
	Customer Minutes	1,508,187			
	Customers Affected	4,542			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restore unknown outage during a storm			Complete	Aug-20
	Repair damage caused by wind during a storm			Complete	Aug-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
6	Lovedale	Township	Charleroi	1623	44
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2	Unknown	38%	Q1 2020
	SAIDI	905	Trees off ROW	22%	Q2 2020
	SAIFI	3.52	Object Contact with Line	21%	Q3 2020
	CAIDI	257	All Other	19%	
	Customer Minutes	1,468,949			
	Customers Affected	5,718			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage during a storm			Complete	Jan-20
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Repair damage caused by a tree during a storm			Complete	Apr-20
	Restore unknown outage during a storm			Complete	Apr-20
	Restore unknown outage			Complete	Jul-20
Overhead circuit inspection			To Be Completed 2020	98%	
Rank	Substation	Circuit	District	Customers	Outages
7	Weedville	Weedville	St. Marys	1375	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2	Trees off ROW	78%	Q1 2020
	SAIDI	1,065	Equipment Failure	9%	Q3 2020
	SAIFI	3.74	Human Error Non-Company	8%	
	CAIDI	284	All Other	5%	
	Customer Minutes	1,463,995			
	Customers Affected	5,148			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure			Complete	Feb-20
	Repair damage caused by a tree			Complete	Feb-20
	Zone 1 Infrared Inspection			Complete	Jul-20
	Restore outage caused by human error non-company			Complete	Sep-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
8	Butler	Center Ave	Butler	1,638	39
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.7	Trees off ROW	76%	Q1 2020
	SAIDI	760	Vehicle	21%	Q2 2020
	SAIFI	1.66	Equipment Failure	1%	Q3 2020
	CAIDI	456	All Other	2%	
	Customer Minutes	1,244,188			
	Customers Affected	2,726			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Jan-20
	Repair damage caused by a tree during a storm			Complete	Jun-20
	Repair damage caused by a tree during a storm			Complete	Aug-20
Rank	Substation	Circuit	District	Customers	Outages
9	Murrycrest	Sardis Road	Jeannette	1,409	40
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees off ROW	70%	Q2 2020
	SAIDI	777	Trees on ROW	11%	Q3 2020
	SAIFI	7.64	Animal	9%	
	CAIDI	102	All Other	10%	
	Customer Minutes	1,094,603			
	Customers Affected	10,771			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Apr-20
	Repair damage caused by an animal			Complete	May-20
	Repair damage caused by a tree			Complete	Sep-20
	Rank	Substation	Circuit	District	Customers
10	Smithton	Smithton	Charleroi	990	27
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees off ROW	86%	Q2 2020
	SAIDI	1097	Line Failure	12%	Q3 2020
	SAIFI	2.42	Unknown	1%	
	CAIDI	453	All Other	1%	
	Customer Minutes	1,086,076			
	Customers Affected	2,398			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Apr-20
	Repair line failure			Complete	Jun-20
	Repair damage caused by a tree			Complete	Jul-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
11	Rutan	Bristoria	Jefferson	1,138	91
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees off ROW	78%	Q4 2019
	SAIDI	940	Line Failure	14%	Q1 2020
	SAIFI	2.39	Unknown	3%	Q2 2020
	CAIDI	394	All Other	5%	Q3 2020
	Customer Minutes	1,069,415			
	Customers Affected	2,715			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Nov-19
	Repair damage caused by a tree			Complete	Jan-20
	Repair line failure			Complete	May-20
	Repair damage caused by a tree during a storm			Complete	Jul-20
Rank	Substation	Circuit	District	Customers	Outages
12	Buckeye No. 3	Paisley	Jefferson	670	12
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees off ROW	95%	Q4 2019
	SAIDI	1594	Equipment Failure	5%	Q2 2020
	SAIFI	1.95			Q3 2020
	CAIDI	819			
	Customer Minutes	1,068,132			
	Customers Affected	1,304			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Nov-19
	On cycle Tree Trimming			Complete	Feb-20
	Repair damage caused by a tree during a storm			Complete	Jun-20
	Rank	Substation	Circuit	District	Customers
13	Charleroi	Speers	Charleroi	1425	46
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees off ROW	90%	Q2 2020
	SAIDI	737	Trees on ROW	3%	Q3 2020
	SAIFI	1.9	Line Failure	3%	
	CAIDI	389	All Other	4%	
	Customer Minutes	1,049,659			
	Customers Affected	2,701			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jun-20
	Repair damage caused by a tree during a storm			Complete	Jun-20
	Repair damage caused by a tree during a storm			Complete	Jul-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
14	Avella	W Middletown	Washington	1152	44
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees off ROW	47%	Q4 2019
	SAIDI	902	Equipment Failure	32%	Q1 2020
	SAIFI	3.02	Animal	8%	Q3 2020
	CAIDI	299	All Other	13%	
	Customer Minutes	1,039,674			
	Customers Affected	3,480			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restore unknown outage during a storm			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	On cycle Tree Trimming			Complete	Mar-20
	Repair equipment failure during a storm			Complete	Jul-20
Rank	Substation	Circuit	District	Customers	Outages
15	Bethlen	Darlington	Latrobe	1,244	70
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees off ROW	77%	Q4 2019
	SAIDI	819	Wind	16%	Q1 2020
	SAIFI	2.38	Line Failure	4%	Q2 2020
	CAIDI	344	All Other	3%	Q3 2020
	Customer Minutes	1,018,816			
	Customers Affected	2,963			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Oct-19
	Repair damage caused by a tree			Complete	Jan-20
	Repair damage caused by wind during a storm			Complete	Apr-20
	Repair damage caused by a tree during a storm			Complete	Jul-20
Rank	Substation	Circuit	District	Customers	Outages
16	California	River	Charleroi	1756	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees off ROW	83%	Q3 2020
	SAIDI	572	Equipment Failure	7%	
	SAIFI	2.29	Unknown	6%	
	CAIDI	249	All Other	4%	
	Customer Minutes	1,003,887			
	Customers Affected	4,026			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jul-20
Repair equipment failure			Complete	Aug-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
17	Fayetteville	Keystone	Waynesboro	1,513	53
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees off ROW	64%	Q3 2020
	SAIDI	661	Trees on ROW	14%	
	SAIFI	1.59	Unknown	10%	
	CAIDI	417	All Other	12%	
	Customer Minutes	1,000,129			
	Customers Affected	2,401			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection			Complete	Jun-20
	Repair damage caused by a tree during a storm			Complete	Jul-20
Rank	Substation	Circuit	District	Customers	Outages
18	Dutch Fork	Claysville	Washington	1,588	67
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Trees off ROW	71%	Q4 2019
	SAIDI	601	Line Failure	18%	Q1 2020
	SAIFI	2.22	Equipment Failure	5%	Q2 2020
	CAIDI	270	All Other	6%	Q3 2020
	Customer Minutes	954,266			
	Customers Affected	3,530			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Forced outage to repair damage			Complete	Oct-19
	Repair line failure during a storm			Complete	Nov-19
	Repair damage caused by a tree during a storm			Complete	Jan-20
	Repair damage caused by a tree			Complete	Jun-20
	Zone 1 Infrared Inspection			Complete	Jul-20
Repair damage caused by a tree during a storm			Complete	Aug-20	
Rank	Substation	Circuit	District	Customers	Outages
19	North Fayette	Tyre	Boyce	1667	32
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Trees off ROW	94%	Q4 2019
	SAIDI	569	Line Failure	3%	Q1 2020
	SAIFI	2.33	Unknown	2%	Q3 2020
	CAIDI	244	All Other	1%	
	Customer Minutes	948,103			
	Customers Affected	3,888			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Nov-19
	Restore unknown outage during a storm			Complete	Mar-20
Repair damage caused by a tree during a storm			Complete	Aug-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
20	Amity	Banetown	Washington	1475	49
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Trees off ROW	90%	Q2 2020
	SAIDI	615	Trees on ROW	6%	Q3 2020
	SAIFI	1.6	Wind	3%	
	CAIDI	384	All Other	1%	
	Customer Minutes	906,998			
	Customers Affected	2,362			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Apr-20
	Repair damage caused by a tree			Complete	May-20
	Overhead circuit inspection			Complete	Jul-20
	Repair damage caused by a tree during a storm			Complete	Aug-20
Rank	Substation	Circuit	District	Customers	Outages
21	Piney Fork	Stoltz	Charleroi	2370	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees off ROW	48%	Q4 2019
	SAIDI	375	Bird	25%	Q1 2020
	SAIFI	3.86	Vehicle	11%	Q2 2020
	CAIDI	97	All Other	16%	Q3 2020
	Customer Minutes	887,657			
	Customers Affected	9,155			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a bird			Complete	Oct-19
	Repair damage caused by a tree			Complete	Oct-19
	Repair line failure			Complete	Jun-20
	Repair damage caused by a tree			Complete	Aug-20
Rank	Substation	Circuit	District	Customers	Outages
22	McConnellsburg	South	McConnellsburg	616	28
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees off ROW	96%	Q3 2020
	SAIDI	1440	Equipment Failure	2%	
	SAIFI	2.2	Forced Outage	1%	
	CAIDI	654	All Other	1%	
	Customer Minutes	887,297			
	Customers Affected	1,356			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection			Complete	Apr-20
Repair damage caused by a tree during a storm			Complete	Jul-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
23	Purcell	Artemas	Hyndman	605	27
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees off ROW	77%	Q4 2019
	SAIDI	1445	Forced Outage	19%	Q1 2020
	SAIFI	3.07	Equipment Failure	2%	Q2 2020
	CAIDI	471	All Other	2%	Q3 2020
	Customer Minutes	874,286			
	Customers Affected	1,858			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Forced outage to repair damage			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Dec-19
	On cycle tree trimming			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Repair damage caused by a tree during a storm			Complete	Apr-20
Rank	Substation	Circuit	District	Customers	Outages
24	Belmon	Fayette City	Charleroi	1,442	22
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees off ROW	53%	Q3 2020
	SAIDI	604	Equipment Failure	45%	
	SAIFI	1.76	Lightning	1%	
	CAIDI	343	All Other	1%	
	Customer Minutes	871,176			
	Customers Affected	2,540			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Jul-20
	Repair equipment failure during a storm			Complete	Aug-20
Rank	Substation	Circuit	District	Customers	Outages
25	Waterville	Waterville	State College	354	24
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees off ROW	54%	Q4 2019
	SAIDI	2377	Other Electric Utility	44%	Q1 2020
	SAIFI	8.3	Unknown	1%	Q2 2020
	CAIDI	286	All Other	1%	Q3 2020
	Customer Minutes	841,486			
	Customers Affected	2,938			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Feb-20
	Restore outage caused by other electric utility			Complete	Jun-20
	Restore outage caused by other electric utility			Complete	Jul-20
On cycle tree trimming			To Be Completed 2020	88%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
26	Westraver	Pittsburgh Coal	Charleroi	1,872	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.2	Trees off ROW	90%	Q4 2019
	SAIDI	446	Vehicle	7%	Q1 2020
	SAIFI	2.36	Line Failure	1%	Q2 2020
	CAIDI	189	All Other	2%	Q3 2020
	Customer Minutes	834,117			
	Customers Affected	4,422			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Oct-19
	Overhead circuit inspection			Complete	Nov-19
	Repair damage caused by a vehicle			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Repair damage caused by a tree during a storm			Complete	Apr-20
Rank	Substation	Circuit	District	Customers	Outages
27	Finleyville	Finleyville	Charleroi	1,302	34
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees off ROW	54%	Q4 2019
	SAIDI	617	Line Failure	35%	Q1 2020
	SAIFI	2.68	Unknown	4%	Q2 2020
	CAIDI	230	All Other	7%	Q3 2020
	Customer Minutes	802,893			
	Customers Affected	3,488			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Nov-19
	Repair damage caused by a tree during a storm			Complete	Jan-20
	Repair line failure during a storm			Complete	Apr-20
	Repair damage caused by a tree during a storm			Complete	Jul-20
	Zone 1 Infrared Inspection			Complete	Jul-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
28	Marvindale	Clermont	St. Marys	851	15
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees off ROW	67%	Q2 2020
	SAIDI	928	Animal	15%	Q3 2020
	SAIFI	3.39	Vehicle	9%	
	CAIDI	274	All Other	9%	
	Customer Minutes	789,414			
	Customers Affected	2,882			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	Nov-19
	Forced outage to repair damage during a storm			Complete	Jun-20
	Repair damage caused by a tree during a storm			Complete	Jun-20
	Repair damage caused by a tree			Complete	Jul-20
	Rank	Substation	Circuit	District	Customers
29	Portersville	Portersville	Butler	905	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees off ROW	53%	Q3 2020
	SAIDI	872	Line Failure	27%	
	SAIFI	2.77	Wind	11%	
	CAIDI	315	All Other	9%	
	Customer Minutes	789,026			
	Customers Affected	2,506			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Aug-20
Rank	Substation	Circuit	District	Customers	Outages
30	Pittsburgh Mills	Tawny Run	Arnold	844	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees off ROW	75%	Q2 2020
	SAIDI	929	Trees on ROW	17%	Q3 2020
	SAIFI	3.5	Unknown	4%	
	CAIDI	266	All Other	4%	
	Customer Minutes	783,871			
	Customers Affected	2,952			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Apr-20
	Overhead circuit inspection			Complete	Apr-20
Restore unknown outage			Complete	Jun-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
31	Enlow	Summit	Boyce	1,806	9
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees off ROW	65%	Q2 2020
	SAIDI	432	Unknown	31%	Q3 2020
	SAIFI	3.14	Line Failure	4%	
	CAIDI	137			
	Customer Minutes	780,051			
	Customers Affected	5,675			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jun-20
	Restore unknown outage during a storm			Complete	Jun-20
	Repair line failure			Complete	Sep-20
Rank	Substation	Circuit	District	Customers	Outages
32	Franklin	Rogersville	Jefferson	821	66
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees off ROW	77%	Q4 2019
	SAIDI	943	Unknown	9%	Q1 2020
	SAIFI	3.9	Forced Outage	8%	Q2 2020
	CAIDI	242	All Other	6%	Q3 2020
	Customer Minutes	774,129			
	Customers Affected	3,203			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Dec-19
	Repair damage caused by a tree			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
Repair damage caused by a tree during a storm			Complete	Apr-20	
Zone 1 Infrared Inspection			Complete	Jul-20	
Restore unknown outage			Complete	Sep-20	
Rank	Substation	Circuit	District	Customers	Outages
33	Amity	Amity	Washington	510	32
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees off ROW	55%	Q4 2019
	SAIDI	1482	Unknown	24%	Q3 2020
	SAIFI	6.35	Equipment Failure	6%	
	CAIDI	233	All Other	15%	
	Customer Minutes	755,984			
	Customers Affected	3,241			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Oct-19
Repair damage caused by a tree during a storm			Complete	Aug-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
34	Monongahela	Park Ave	Charleroi	1046	24
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees off ROW	85%	Q3 2020
	SAIDI	710	Equipment Failure	10%	
	SAIFI	3.12	Line Failure	3%	
	CAIDI	228	All Other	2%	
	Customer Minutes	742,457			
	Customers Affected	3,259			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Jul-20
	Zone 1 Infrared Inspection			Complete	Jul-20
	Repair equipment failure			Complete	Sep-20
Rank	Substation	Circuit	District	Customers	Outages
35	Hilliards	Hilliards	Butler	891	30
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees off ROW	93%	Q1 2020
	SAIDI	797	Wind	3%	Q2 2020
	SAIFI	2.82	Unknown	2%	Q3 2020
	CAIDI	282	All Other	2%	
	Customer Minutes	710,229			
	Customers Affected	2,515			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jan-20
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Repair damage caused by a tree during a storm			Complete	May-20
Repair damage caused by a tree during a storm			Complete	Aug-20	
Rank	Substation	Circuit	District	Customers	Outages
36	Mushroom	Mushroom	Kittanning	317	10
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees off ROW	79%	Q3 2020
	SAIDI	2152	Line Failure	18%	
	SAIFI	2.15	Equipment Failure	3%	
	CAIDI	1003			
	Customer Minutes	682,086			
	Customers Affected	680			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
Repair damage caused by a tree during a storm			Complete	Aug-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
37	Smith	Florence	Washington	806	57
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees off ROW	79%	Q4 2019
	SAIDI	816	Equipment Failure	7%	Q1 2020
	SAIFI	5.49	Trees on ROW	6%	Q2 2020
	CAIDI	149	All Other	8%	Q3 2020
	Customer Minutes	657,626			
	Customers Affected	4,427			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure during a storm			Complete	Nov-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Repair damage caused by a tree			Complete	Jun-20
	Enhanced WPC remediation			To Be Completed 2020	0%
	Rank	Substation	Circuit	District	Customers
38	Karns City	Kaylor	Butler	1156	36
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Unknown	43%	Q3 2020
	SAIDI	565	Trees off ROW	42%	
	SAIFI	2.31	Object Contact with Line	11%	
	CAIDI	245	All Other	4%	
	Customer Minutes	653,537			
	Customers Affected	2,667			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jul-20
	Restore unknown outage during a storm			Complete	Aug-20
	Rank	Substation	Circuit	District	Customers
39	Murrycrest	Christy Road	Jeannette	1034	45
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees off ROW	56%	Q4 2019
	SAIDI	626	Wind	36%	Q1 2020
	SAIFI	1.77	Trees on ROW	4%	Q2 2020
	CAIDI	353	All Other	4%	Q3 2020
	Customer Minutes	646,782			
	Customers Affected	1,833			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Oct-19
	Repair damage caused by wind during a storm			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Repair damage caused by a tree during a storm			Complete	Apr-20
Restore outage caused by a tree			Complete	Sep-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
40	Kittanning	Garretts Run	Kittanning	704	21
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.9	Trees off ROW	96%	Q3 2020
	SAIDI	915	Equipment Failure	4%	
	SAIFI	2.13			
	CAIDI	429			
	Customer Minutes	644,313			
	Customers Affected	1,501			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	Aug-20
	Repair damage caused by a tree			Complete	Sep-20
	On cycle tree trimming			To Be Completed 2020	99%

West Penn					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	4Q 2019	1Q 2020	2Q 2020	3Q 2020
Bethel Park	Clifton	X	X	X	
Bethlen	Laughlintown	X	X		
Bethlen	Laurel Valley	X	X	X	
Blue Ridge Summit	Sabillasville	X	X	X	
California	Malden	X	X		
Cecil	Muse	X	X		
Cooperstown	Twin Willows	X	X		
Fort Palmer	West Fairfield	X	X		
Hyndman	Route 96 South	X	X		
Kiski Valley Distrib	Kittanning Rd	X	X	X	
Lagonda	Club Forty	X	X		
North Washington	Poke Run	X	X	X	
Smith	Francis Mine	X	X		
St. Clair	McLaughlin	X	X	X	
St. Clair	Skyridge	X	X	X	
Whiteley	Mt. Morris	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
Mather	Jefferson	Overhead circuit inspection	To Be Completed 2020	98%
Whitely	Mt. Morris	Overhead circuit inspection	To Be Completed 2020	69%
Bethlen	Laurel Valley	Zone 1 Infrared Inspection	Complete	20-Aug
St. Clair	Skyridge	On cycle tree trimming	Complete	20-Jul
Cooperstown	Twin Willows	Overhead circuit inspection	Complete	20-Sep
Bethlen	Laughlintown	Overhead circuit inspection	Complete	20-Sep
Lagonda	Club Forty	On cycle tree trimming	To Be Completed 2020	69%

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

<b>Met-Ed –Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2020 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	11	13,590	2,436
Excavated in Tolerance	22	184,972	87,083
Excavation Inconsistent with Ticket Scope	22	27,541	9,768
Excavation Prior to Lawful Start Date	3	3,368	3,368
Expired Ticket	12	31,400	24,315
Hand Digging	3	21,573	21,074
Marked Improperly	21	235,389	119,404
No Ticket	42	58,074	46,007
<b>Total</b>	<b>136</b>	<b>575,907</b>	<b>313,455</b>

<b>Penelec – Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2020 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	22	0	0
Excavated in Tolerance	51	61,029	36,358
Excavation Inconsistent with Ticket Scope	5	12,576	8,526
Excavation Prior to Lawful Start Date	9	15,772	5,882
Expired Ticket	4	2,384	2,246
Hand Digging	6	915	915
Marked Improperly	37	59,280	28,995
No Ticket	47	82,033	52,823
<b>Total</b>	<b>181</b>	<b>233,989</b>	<b>135,745</b>

<b>Penn Power – Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2020 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	5	0	0
Excavated in Tolerance	17	8,989	7,769
Excavation Inconsistent with Ticket Scope	4	8,594	3,429
Excavation Prior to Lawful Start Date	3	2,951	2,951
Expired Ticket	5	9,302	4,622
Hand Digging	0	0	0
Marked Improperly	6	11,473	6,677
No Ticket	30	25,164	16,395
<b>Total</b>	<b>70</b>	<b>66,473</b>	<b>41,843</b>

<b>West Penn – Third Party Line Hit Incidents</b>			
<b>3rd Quarter 2020 12-Month Rolling</b>			
<b>Cause of Line Hit</b>	<b>Number of Incidents</b>	<b>Invoice Amount (\$)</b>	<b>Recovery Amount (\$)</b>
Dig In - Other	40	56,847	17,225
Excavated in Tolerance	4	5,616	6,010
Excavation Inconsistent with Ticket Scope	6	8,873	0
Excavation Prior to Lawful Start Date	2	2,127	2,127
Expired Ticket	6	13,215	7,206
Hand Digging	8	7,443	7,311
Marked Improperly	30	92,207	50,979
No Ticket	53	139,896	94,059
<b>Total</b>	<b>149</b>	<b>326,224</b>	<b>184,917</b>

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

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Joint 3<sup>rd</sup> Quarter 2020 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:

John R. Evans  
Office of Small Business Advocate  
Suite 1102, Commerce Building  
300 North Second Street  
Harrisburg, PA 17101  
jorevans@pa.gov

Tanya McCloskey  
Office of Consumer Advocate  
555 Walnut Street – 5<sup>th</sup> Floor  
Harrisburg, PA 17101-1923  
tmccloskey@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: October 30, 2020



---

Teresa Harrold  
Attorney No. 311082  
FirstEnergy Service Company  
2800 Pottsville Pike  
P.O. Box 16001  
Reading, Pennsylvania 19612-6001  
(610) 921-6783  
[tharrold@firstenergycorp.com](mailto:tharrold@firstenergycorp.com)

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