

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

August 27, 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 2<sup>nd</sup> Quarter 2020 Reliability Report – Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company – Public Version – Updated Report; 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 (“Met-Ed”), Pennsylvania Electric Company (“Penelec”), Pennsylvania Power Company (“Penn Power”) and West Penn Power Company (“West Penn”) (collectively, the “Companies”) is the **updated** Joint 2<sup>nd</sup> Quarter 2020 Reliability Report – Public Version (“Joint Report”), which now reflects the approval of the Companies’ 2<sup>nd</sup> Quarter major events. Below is a list of pages which have been updated:

- Page 2 – Major Event Table or Page
- Page 3 – Reliability Index Values Table
- Page 8 – Outage by Cause Tables
- Page 9 – Outage by Cause Proposed Solutions

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.

August 27, 2020

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 2<sup>nd</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 2<sup>nd</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>	88,597	Duration	101 hours, 58 minutes	Derecho	Approved August 4, 2020
		Start Date/Time	June 3, 2020 1122		
		End Date/Time	June 7, 2020 1720		

---

<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*

2Q 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	1.41	1.26	1.52	1.62	1.12	1.34	1.08	1.05	1.26	1.16
<b>CAIDI</b>	117	140	144	117	141	143	101	121	160	170	204	178
<b>SAIDI</b>	135	194	202	148	213	231	113	162	173	179	257	206
<b>MAIFI<sup>2</sup></b>			0.934			0.517			0.045			
<b>Customers Served<sup>3</sup></b>	566,797			578,844			164,407			718,405		
<b>Number of Sustained Interruptions</b>	12,165			13,633			3,249			12,728		
<b>Customers Affected</b>	797,284			939,646			177,389			830,420		
<b>Customer Minutes</b>	114,493,364			133,963,024			28,389,646			148,115,857		
<b>Number of Customer Momentary Interruptions</b>	529,356			299,076			7,462					

<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 2Q 2020:**

### Met-Ed

- The morning of Thursday, April 9, 2020, a strong front moved through Pennsylvania, including the Met-Ed service territory. On Thursday, April 9, 2020, this front caused sustained winds throughout Met-Ed service territory at 30-40 miles per hour between 2pm and 4pm. Additionally, high wind gusts of approximately 68 miles per hour and heavy rains were experienced impacting 35,145 customers. The reliability impact of the storm was 18.0 minutes of System Average Interruption Duration Index (“SAIDI”), 0.06 of System Average Interruption Frequency Index (“SAIFI”), and an overall storm Customer Average Interruption Duration Index (“CAIDI”) of 289.7 minutes.
- On Wednesday, June 3, 2020, a derecho (a strong, long-lived thunderstorm causing a swath of wind damage) moved through the Met-Ed service territory. The derecho produced rain, lightning, and damaging winds with gusts of approximately 83 miles per hour impacting 88,597 customers. The reliability impact of the storm was 88.6 minutes of SAIDI, 0.2 of SAIFI, and an overall storm CAIDI of 566.2 minutes.

### Penelec

- Beginning the evening of Tuesday, April 7, 2020, a strong front moved through Pennsylvania, including the Penelec service territory. This front caused storms with heavy lightning, high wind gusts upwards of 60 miles per hour and rain in the Penelec service territory. On Thursday, April 9, the passage of a cold front brought more high winds upwards of 60 miles per hour causing additional damage to the Penelec service territory impacting 24,599 customers. The reliability impact of the storm was 12.2 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 286.3 minutes.
- Beginning the evening of Friday, April 17, 2020, and continuing through the morning of Saturday, April 18, 2020, a snowstorm moved through northern Pennsylvania, including the Penelec service territory. The snow was wet and heavy causing downed wires and trees impacting 13,629 customers. The reliability impact of the storm was 7.6 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 320.96 minutes.

### Penn Power

- Beginning the afternoon of Wednesday, June 10, 2020, a strong storm system caused by an incoming cold front moved through Pennsylvania, including the Penn Power service territory. This system produced a line of severe storms with heavy rains, lightning, and strong winds with maximum wind gusts of 55 miles per hour experienced in some areas impacting 10,405 customers. The reliability impact of the storm was 28.3 minutes of SAIDI, 0.06 of SAIFI, and an overall storm CAIDI of 446.3 minutes.

## West Penn

- Beginning the early morning of Wednesday, April 8, 2020, a strong front moved through Pennsylvania, including the West Penn service territory. This front caused storms with heavy lightning, high wind gusts of approximately 75 miles per hour, and tornadoes impacting 59,885 customers. This front also caused additional rain and peak wind gusts of approximately 54 miles per hour on Thursday. The reliability impact of the storm was 30.3 minutes of SAIDI, 0.1 SAIFI, and an overall storm CAIDI of 363.06 minutes.
- Beginning the early morning of Monday, April 13, 2020, a storm front moved through Pennsylvania, including the West Penn service territory. This front caused high wind gusts of 62 miles per hour and heavy rains in the West Penn service territory impacting 20,717 customers. This front also caused peak sustained winds of 40 miles per hour on Monday. The reliability impact of the storm was 4.5 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 154.2 minutes.
- Beginning the afternoon of Wednesday, June 10, 2020, a thunderstorm moved throughout Pennsylvania, including the West Penn service territory. This front caused high wind gusts of 46 miles per hour and heavy rain in the West Penn service territory impacting 27,342 customers. The already saturated ground coupled with sustained winds caused a significant number of tree-related outages. The reliability impact of the storm was 12.2 minutes of SAIDI, 0.04 of SAIFI, and an overall storm CAIDI of 321.5 minutes.

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

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

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

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

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

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

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

*Worst Performing Circuits – Remedial Actions*

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

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

### Outages by Cause

#### Outages by Cause – Met-Ed

Outage by Cause				
2nd Quarter 2020 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	49,701,384	2,422	206,362	43.41%
Equipment failure	21,387,192	2,627	226,433	18.68%
Vehicle	6,773,482	317	42,409	5.92%
Unknown	6,674,390	1,296	54,773	5.83%
Line failure	6,057,975	701	34,737	5.29%
Trees off ROW - limb	5,650,373	532	30,971	4.94%
Forced outage	3,413,189	410	64,307	2.98%
Animal	2,763,535	1,849	32,791	2.41%
Lightning	2,569,168	317	24,841	2.24%
Human error - company	2,297,572	75	34,287	2.01%
Trees on ROW	1,905,778	247	6,493	1.66%
Bird	1,240,990	469	8,582	1.08%
Wind	901,350	57	4,238	0.79%
Object contact with line	615,832	58	5,910	0.54%
Trees - sec/service	595,797	514	1,578	0.52%
Overload	582,115	44	3,996	0.51%
Ice	495,421	24	1,293	0.43%
Human error - non-company	362,161	89	2,465	0.32%
UG dig-up	270,702	29	1,933	0.24%
Customer equipment	99,803	39	6,915	0.09%
Other utility - non-electric	43,725	6	603	0.04%
Other electric utility	40,421	6	892	0.04%
Previous lightning	22,922	24	64	0.02%
Contamination	17,280	3	148	0.02%
Fire	8,886	7	67	0.01%
Switching error	1,746	1	194	0.00%
Vandalism	175	2	2	0.00%
Call Error	0	0	0	0.00%
<b>Total</b>	<b>114,493,364</b>	<b>12,165</b>	<b>797,284</b>	<b>100%</b>

### Proposed Solutions – Met-Ed

Met-Ed analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 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>2nd 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	44,514,479	1,748	208,725	33.23%
Equipment failure	23,272,830	2,641	224,318	17.37%
Line failure	22,194,001	1,757	161,649	16.57%
Unknown	9,907,547	1,767	56,894	7.40%
Lightning	8,850,165	668	67,819	6.61%
Forced outage	6,105,944	1,037	60,871	4.56%
Vehicle	5,124,627	296	35,629	3.83%
Animal	3,536,327	1,645	31,684	2.64%
Trees off ROW - limb	2,768,735	321	25,099	2.07%
Bird	1,384,980	381	13,903	1.03%
Human error - non-company	1,104,244	86	5,764	0.82%
Human error - company	966,702	52	21,163	0.72%
Ice	943,460	60	3,114	0.70%
Object contact with line	771,854	37	5,386	0.58%
Trees - sec/service	721,151	726	2,328	0.54%
Other electric utility	714,870	109	3,392	0.53%
Trees on ROW	294,706	98	3,126	0.22%
Overload	290,739	35	3,150	0.22%
Vandalism	104,312	16	879	0.08%
Customer equipment	103,029	19	1,947	0.08%
Other utility - non-electric	73,402	7	431	0.05%
UG dig-up	69,627	55	415	0.05%
Fire	55,679	13	363	0.04%
Wind	35,115	7	180	0.03%
Contamination	33,383	19	135	0.02%
Switching Error	10,776	4	1,218	0.01%
Previous lightning	10,340	29	64	0.01%
<b>Total</b>	<b>133,963,024</b>	<b>13,633</b>	<b>939,646</b>	<b>100%</b>

### Proposed Solutions – Penelec

Penelec analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 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>2nd 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	15,614,832	872	60,702	55.00%
Equipment failure	2,842,309	357	34,188	10.01%
Lightning	2,358,394	264	12,802	8.31%
Vehicle	1,997,077	87	14,309	7.03%
Line failure	1,789,835	286	12,904	6.30%
Unknown	884,853	134	15,665	3.12%
Animal	835,040	415	10,557	2.94%
Trees off ROW - limb	721,485	152	4,299	2.54%
Forced outage	578,384	61	5,135	2.04%
Bird	307,646	315	3,333	1.08%
Trees - sec/service	208,371	185	600	0.73%
Trees on ROW	85,819	7	220	0.30%
Human error - non-company	50,769	25	569	0.18%
Overload	33,453	14	416	0.12%
Object contact with line	27,768	5	1,002	0.10%
UG dig-up	20,920	12	98	0.07%
Human error - company	16,370	5	478	0.06%
Previous lightning	11,099	35	80	0.04%
Customer equipment	3,107	12	14	0.01%
Ice	1,161	2	9	0.00%
Fire	624	2	7	0.00%
Vandalism	330	2	2	0.00%
<b>Total</b>	<b>28,389,646</b>	<b>3,249</b>	<b>177,389</b>	<b>100%</b>

### Proposed Solutions – Penn Power

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

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

Outages by Cause – West Penn

<b>Outage by Cause</b>				
<b>2nd 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	72,234,793	3,287	268,218	48.77%
Line failure	16,854,674	1,344	87,351	11.38%
Equipment failure	16,016,665	2,072	114,294	10.81%
Unknown	9,289,273	1,765	79,498	6.27%
Vehicle	7,706,435	304	68,846	5.20%
Trees on ROW	4,287,344	460	20,556	2.89%
Forced outage	3,746,001	508	55,978	2.53%
Wind	3,646,580	143	14,571	2.46%
Trees off ROW - limb	3,350,290	190	25,221	2.26%
Animal	3,122,207	1,485	34,321	2.11%
Lightning	2,062,509	171	18,813	1.39%
Human error - non-company	1,192,717	65	8,615	0.81%
Ice	1,042,656	19	2,079	0.70%
Bird	777,549	372	8,865	0.52%
Human error - company	722,579	49	12,451	0.49%
Object contact with line	639,841	37	2,405	0.43%
Vandalism	389,657	5	960	0.26%
Trees - sec/service	332,886	366	937	0.22%
Other electric utility	271,587	10	788	0.18%
Customer equipment	221,872	15	2,050	0.15%
UG dig-up	80,494	36	1,559	0.05%
Overload	60,230	9	1,578	0.04%
Fire	43,401	7	335	0.03%
Other utility - non-electric	16,099	5	80	0.01%
Previous Lightning	6,413	3	22	0.00%
Switching error	1,105	1	29	0.00%
<b>Total</b>	<b>148,115,857</b>	<b>12,728</b>	<b>830,420</b>	<b>100%</b>

### Proposed Solutions – West Penn

West Penn analyzes its outage data to develop solutions for improving reliability. The following paragraphs identify the top outage causes for the rolling twelve-month period ending June 30, 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	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD
Forestry	Transmission (Miles)	272.70	20.65	210.31	517.98	103.11	332.34	56.05	5.66	52.83	195.15	31.68	113.37
	Distribution (Miles)	2,878	533	1,139	3,746	277	1,261	1,126	252	642	4,400	945	2,002
Transmission	Aerial Patrols	2	1	1	2	1	1	2	1	1	2	1	1
	Groundline	1,895	0	0	79	502	502	1,511	2,007	2,007	772	96	96
Substation	Substation Inspections Class A	418	0	209	784	0	392	148	0	74	950	0	475
	Substation Inspections Class B	418	209	209	784	392	392	148	74	74	950	475	475
	Substation Inspections Class C	1,672	418	836	3,137	785	1,570	592	148	296	3,800	950	1,900
	Transformers	143	93	104	401	96	367	9	7	7	381	126	343
	Breakers	74	43	51	338	117	178	12	7	7	369	151	216
	Relay Schemes	58	12	58	180	64	133	32	7	32	100	22	59
Distribution	Capacitors	4,758	0	4,758	8,683	0	8,683	978	0	975	1,315	0	1,315
	Poles	36,000	9,769	9,769	41,584	18,887	21,611	11,027	0	11,045	38,373	10,893	29,020
	Reclosers	1,233	548	1,207	2,591	0	0	930	0	919	3,947	948	3,621
	Radio-Controlled Switches	1,010	232	505	2,652	852	1,257	Penn Power has no radio-controlled switches			West Penn has no radio-controlled switches		

General Note: Unless specified otherwise, all inspections are reported on a unit basis rather than on a location basis.

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

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

*Budgeted vs. Actual T&D Operation & Maintenance Expenditures<sup>4</sup>*

This portion of the report is confidential.

---

<sup>4</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>5</sup> Expenditures<sup>6</sup>*

This portion of the report is confidential.

---

<sup>5</sup> General note: Capital reported on Generally Accepted Accounting Principles (GAAP) basis.

<sup>6</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>7</sup>*

*Staffing Levels*

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

<sup>7</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>8</sup> Includes transfers and promotions.

<sup>9</sup> Includes transfers, voluntary separations, and promotions.

<sup>10</sup> Hiring plan to be provided annually in the 4Q report.

Penelec 2020												
		Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2021 <sup>13</sup>
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>11</sup>	Retirement	Voluntary Separation	Other <sup>12</sup>	
Distribution	Line Leader	67	66					2	2		1	
	Line Troubleshooter	63	62							1		
	Lineman	142	140						1	1		
Substation	Substation Leader	35	32					1	2		2	
	Substation Employee	39	39					8			8	
Transmission	Line Leader	5	5									
	Lineman	19	19									
<b>Total</b>		<b>370</b>	<b>363</b>					<b>11</b>	<b>5</b>	<b>2</b>	<b>11</b>	

<sup>11</sup> Includes transfers and promotions.

<sup>12</sup> Includes transfers, involuntary separations, and promotions.

<sup>13</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>16</sup>
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>14</sup>	Retirement	Voluntary Separation	Other <sup>15</sup>	
Distribution	Line Leader	22	21						1			
	Line Troubleshooter	9	8								1	
	Lineman	47	46						1			
Substation	Substation Leader	5	5									
	Substation Employee	21	20								1	
Transmission	Line Leader	1	1									
	Lineman	5	5									
<b>Total</b>		<b>110</b>	<b>106</b>						<b>2</b>		<b>2</b>	

<sup>14</sup> Includes transfers, promotions, and promotions within a position.

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

<sup>16</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>19</sup>
Department	Position	1Q	2Q	3Q	4Q	New Hire – Experienced	New Hire – PSI Student	Other <sup>17</sup>	Retirement	Voluntary Separation	Other <sup>18</sup>	
Distribution	Line Leader	62	65					5			2	
	Line Troubleshooter	60	57					3	3		3	
	Lineman	123	121					2		1	3	
Substation	Substation Leader	21	22					1				
	Substation Employee	72	71					4			5	
Transmission	Line Leader	1	1									
	Lineman	4	4									
<b>Total</b>		<b>343</b>	<b>341</b>					<b>15</b>	<b>3</b>	<b>1</b>	<b>13</b>	

<sup>17</sup> Includes transfers, promotions, and promotions within a position.

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

<sup>19</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.

*Call-out Response*<sup>21</sup>

This portion of the report is confidential.

---

<sup>21</sup> During the Covid-19 pandemic, the call-outs are completed in a POD cluster to reduce potential exposure to employees. Due to this temporary process change, the call-out percentage calculation has become a manual calculation process handled at the Operating Company level.

**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 employee’s 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	No Bangor	00826-3	Easton	3,196	143	1	3,702,897	18,190	6.53	1,158.60	5.69	203.57	1.270
2	Fox Hill	00816-3	Stroudsburg	3,399	67	0	3,409,873	6,122	6.02	1,003.20	1.80	556.99	1.440
3	Shawnee	00895-3	Stroudsburg	3,964	109	1	3,150,561	8,875	5.56	794.79	2.24	354.99	1.040
4	Mountain	00744-4	Dillsburg	1,833	73	1	1,733,286	6,839	3.06	945.60	3.73	253.44	0.000
5	Bernville	00787-1	Hamburg	1,845	89	0	1,601,325	3,333	2.83	867.93	1.81	480.45	0.000
6	Shawnee	00899-3	Stroudsburg	1,664	40	3	1,312,916	5,024	2.32	789.01	3.02	261.33	1.370
7	Bern Church	00789-1	Reading	1,430	70	0	1,249,194	3,280	2.20	873.56	2.29	380.85	0.230
8	S Nazareth	00809-3	Easton	3,240	57	1	1,212,809	6,931	2.14	374.32	2.14	174.98	0.000
9	W Boyertown	00715-1	Boyertown	1,699	49	1	1,135,095	5,668	2.00	668.10	3.34	200.26	0.780
10	Taxville	00575-4	York	2,227	51	3	1,117,396	6,700	1.97	501.75	3.01	166.78	1.870
11	Barto	00706-1	Boyertown	2,890	126	1	1,030,122	8,439	1.82	356.44	2.92	122.07	0.000
12	Flying Hills	00777-1	Reading	1,783	88	0	984,652	3,596	1.74	552.24	2.02	273.82	0.000
13	Yoe	00559-4	York	2,733	38	1	931,008	5,523	1.64	340.65	2.02	168.57	0.950
14	Hill	00734-4	York	1,644	46	1	866,949	3,078	1.53	527.34	1.87	281.66	1.090
15	Mc Knights Gap	00774-1	Reading	1,579	42	1	852,928	2,612	1.50	540.17	1.65	326.54	0.000
16	North Cornwall	00610-2	Lebanon	2,188	69	1	824,043	6,976	1.45	376.62	3.19	118.13	6.050
17	Mesherrystown	00292-4	Hanover	734	4	3	790,332	2,210	1.39	1,076.75	3.01	357.62	0.000
18	Water Gap	00109-3	Stroudsburg	205	12	1	787,043	414	1.39	3,839.23	2.02	1,901.07	0.000
19	Huffs Church	00600-1	Boyertown	1,502	90	1	755,703	2,404	1.33	503.13	1.60	314.35	0.000
20	Crossroads	00728-4	York	1,172	60	0	745,128	2,101	1.31	635.77	1.79	354.65	0.150
21	Crossroads	00729-4	York	875	29	4	730,315	3,475	1.29	834.65	3.97	210.16	0.000
22	Shawnee	00833-3	Stroudsburg	892	30	2	730,171	3,833	1.29	818.58	4.30	190.50	2.770
23	Windsor	00797-4	York	1,550	85	1	692,998	7,521	1.22	447.10	4.85	92.14	6.930
24	Lynnville	00737-1	Hamburg	1,071	74	1	691,796	2,485	1.22	645.93	2.32	278.39	2.430
25	Yorkana	00715-4	York	1,802	47	2	682,278	5,546	1.20	378.62	3.08	123.02	3.000
26	Schuylkill Ave	00157-1	Reading	1,617	9	2	664,419	3,397	1.17	410.90	2.10	195.59	0.000
27	Mohnton	00144-1	Reading	970	19	1	661,544	2,166	1.17	682.00	2.23	305.42	0.000
28	Hill	00737-4	York	2,273	39	0	655,656	5,011	1.16	288.45	2.20	130.84	2.990
29	Lyons	00729-1	Reading	1,284	82	0	652,341	2,405	1.15	508.05	1.87	271.24	0.000
30	Windsor	00795-4	York	1,019	79	0	603,136	2,579	1.06	591.89	2.53	233.86	0.000
31	Bernville	00786-1	Hamburg	1,849	79	1	600,668	3,317	1.06	324.86	1.79	181.09	0.050
32	Mountain	00743-4	Dillsburg	1,030	31	1	599,911	3,714	1.06	582.44	3.61	161.53	0.000
33	Broad Street	00776-2	Lebanon	1,929	23	1	572,319	3,942	1.01	296.69	2.04	145.18	4.950
34	S Hamb	00801-1	Hamburg	2,080	63	0	565,994	3,174	1.00	272.11	1.53	178.32	0.840
35	Bern Church	00791-1	Reading	646	34	3	546,661	3,236	0.96	846.22	5.01	168.93	0.000

<b>Met-Ed</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>
36	Shawnee	00860-3	Stroudsburg	2,662	60	1	534,914	7,215	0.94	200.94	2.71	74.14	1.030
37	Dillsburg	00746-4	Dillsburg	2,559	46	0	516,401	4,865	0.91	201.80	1.90	106.15	2.990
38	Annaville	00740-2	Lebanon	958	24	1	498,194	1,468	0.88	520.04	1.53	339.37	2.000
39	Fox Hill	00852-3	Stroudsburg	794	31	0	478,063	1,703	0.84	602.09	2.14	280.72	0.000

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Dubois	00137-23	Dubois	3,200	122	0	1,575,018	7,824	2.72	492.19	2.45	201.31	3.226
2	Logan	00700-81	Lewistown	991	48	0	1,510,515	6,755	2.61	1,524.23	6.82	223.61	0.642
3	Meyersdale North	00022-12	Somerset	1,551	51	1	1,487,174	4,451	2.57	958.85	2.87	334.12	1.002
4	Piney	00523-51	Oil City	1,508	54	2	1,458,044	5,402	2.52	966.87	3.58	269.91	1.094
5	North Warren	00207-41	Warren	1,363	81	5	1,441,098	9,254	2.49	1,057.30	6.79	155.73	2.272
6	Grover	00527-63	Towanda	1,046	70	1	1,202,116	2,869	2.08	1,149.25	2.74	419.00	0.004
7	Thompson	00436-65	Montrose	1,327	85	0	1,197,325	2,770	2.07	902.28	2.09	432.25	0.457
8	East Sayre	00518-61	Towanda	905	35	1	1,178,135	3,541	2.04	1,301.81	3.91	332.71	0.130
9	N Meshoppen Tran	00534-65	Montrose	821	56	2	1,174,428	2,725	2.03	1,430.48	3.32	430.98	0.933
10	Lake Como	00787-65	Montrose	893	31	1	1,111,373	3,498	1.92	1,244.54	3.92	317.72	1.555
11	Somerset	00017-12	Somerset	1,367	41	1	944,605	2,597	1.63	691.01	1.90	363.73	0.000
12	Utica Junction	00331-51	Oil City	641	43	2	902,858	2,732	1.56	1,408.51	4.26	330.48	0.000
13	Fairview Altoona	00005-71	Altoona	1,413	9	0	902,610	2,328	1.56	638.79	1.65	387.72	0.000
14	Warren South	00220-41	Warren	2,841	92	0	868,730	5,186	1.50	305.78	1.83	167.51	0.524
15	Wellsboro	00324-63	Mansfield Pa	251	31	3	843,012	862	1.46	3,358.61	3.43	977.97	1.884
16	Marienville	00328-51	Oil City	1,097	51	0	835,777	2,552	1.44	761.88	2.33	327.50	0.397
17	Hooversville	00019-12	Somerset	1,604	47	0	814,582	6,207	1.41	507.84	3.87	131.24	0.000
18	Mansfield	00559-63	Mansfield Pa	560	33	2	791,975	2,352	1.37	1,414.24	4.20	336.72	0.780
19	Tiffany	00435-65	Montrose	1,273	40	1	734,252	2,487	1.27	576.79	1.95	295.24	0.412
20	Covington	00729-63	Mansfield Pa	777	33	0	734,033	1,327	1.27	944.70	1.71	553.15	0.999
21	Logan	00701-81	Lewistown	1,304	28	0	720,968	2,038	1.25	552.89	1.56	353.76	0.057
22	Two Mile	00127-42	Bradford	1,282	46	1	719,319	3,531	1.24	561.09	2.75	203.72	0.000
23	Springboro	00237-52	Meadville	2,532	70	0	706,410	6,934	1.22	278.99	2.74	101.88	1.472
24	Tiffany	00440-65	Montrose	1,197	37	0	705,552	5,689	1.22	589.43	4.75	124.02	0.163
25	Philipsburg	00162-22	Philipsburg	2,827	61	2	695,100	6,479	1.20	245.88	2.29	107.29	0.892
26	Mcveytown	00112-81	Lewistown	1,291	54	0	674,467	2,668	1.17	522.44	2.07	252.80	0.000
27	Hooversville	00018-12	Somerset	750	35	0	664,160	1,763	1.15	885.55	2.35	376.72	0.384
28	Laurel Lake Sub Tran	00449-65	Montrose	551	42	7	660,815	3,310	1.14	1,199.30	6.01	199.64	4.031
29	Ansonia	00740-63	Mansfield Pa	171	23	0	656,845	673	1.13	3,841.20	3.94	976.00	2.982
30	Samuel Rea Car Shop	00031-71	Altoona	1,692	19	0	656,273	2,704	1.13	387.87	1.60	242.70	0.000
31	Reedsville	00127-81	Lewistown	925	20	0	652,232	1,454	1.13	705.12	1.57	448.58	0.001
32	Industrial Park	00796-65	Montrose	357	14	3	650,670	1,830	1.12	1,822.61	5.13	355.56	0.000

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
33	Madera	00166-22	Philipsburg	1,429	35	0	626,787	3,103	1.08	438.62	2.17	201.99	0.553
34	Industrial	00170-81	Lewistown	765	21	3	582,416	3,373	1.01	761.33	4.41	172.67	0.000
35	Curryville	00644-71	Altoona	1,785	73	0	575,992	3,803	1.00	322.68	2.13	151.46	0.000
36	East Pike	00095-13	Indiana	4,568	33	2	565,110	8,226	0.98	123.71	1.80	68.70	1.399
37	Lake Como	00788-65	Montrose	633	29	1	563,946	1,640	0.97	890.91	2.59	343.87	0.327
38	Russell Hill	00282-65	Montrose	999	61	0	540,283	1,821	0.93	540.82	1.82	296.70	0.000
39	Union City Sub	00206-43	Erie	2,882	111	0	526,775	5,693	0.91	182.78	1.98	92.53	1.561
40	North Warren	00596-41	Warren	1,125	56	2	526,296	3,897	0.91	467.82	3.46	135.05	2.519
41	Thompson	00446-65	Montrose	842	47	0	524,784	1,690	0.91	623.26	2.01	310.52	0.000
42	Dubois Central	00119-23	Dubois	1,309	53	0	514,383	2,339	0.89	392.96	1.79	219.92	0.689
43	Brookville	00125-23	Dubois	616	29	0	507,021	4,239	0.88	823.09	6.88	119.61	3.651
44	Green Garden	00539-31	Erie	1,064	11	1	502,020	2,223	0.87	471.82	2.09	225.83	0.000
45	French Road	00222-31	Erie	1,446	21	1	496,206	3,948	0.86	343.16	2.73	125.69	0.397
46	Edgewood	00089-13	Indiana	866	18	2	485,306	2,858	0.84	560.40	3.30	169.81	0.215
47	Shawville	00151-21	Clearfield	2,066	41	1	477,997	8,636	0.83	231.36	4.18	55.35	1.479
48	Meyersdale North	00004-12	Somerset	582	21	1	475,491	1,648	0.82	816.99	2.83	288.53	1.000
49	Waverly	00164-66	Towanda	960	26	2	472,181	2,436	0.82	491.86	2.54	193.83	0.999
50	Tunkhannock	00533-65	Montrose	1,200	41	0	468,976	2,108	0.81	390.81	1.76	222.47	0.000
51	East Pike	00094-13	Indiana	322	5	0	467,627	2,471	0.81	1,452.26	7.67	189.25	0.000
52	Lake Como	00786-65	Montrose	392	18	0	461,074	938	0.80	1,176.21	2.39	491.55	0.000
53	Port Allegany Sub	00151-42	Bradford	480	34	1	456,188	856	0.79	950.39	1.78	532.93	0.000
54	Sabinsville Trans	00567-63	Mansfield Pa	145	20	1	448,711	802	0.78	3,094.56	5.53	559.49	0.000
55	Utica Junction	00318-51	Oil City	825	60	0	445,777	1,468	0.77	540.34	1.78	303.66	0.028
56	Birmingham	00168-22	Philipsburg	1,080	43	0	441,180	1,714	0.76	408.50	1.59	257.40	0.000
57	Tyrone North Sub	00643-22	Philipsburg	1,478	5	0	438,454	2,586	0.76	296.65	1.75	169.55	0.000
58	Dubois	00131-23	Dubois	580	23	0	438,075	1,284	0.76	755.30	2.21	341.18	0.103
59	Erie East	00234-31	Erie	1,018	46	1	428,843	2,499	0.74	421.26	2.45	171.61	0.089
60	East Towanda	00525-62	Towanda	446	27	3	416,557	3,554	0.72	933.98	7.97	117.21	0.061
61	Salix	00070-11	Johnstown	2,307	41	0	412,442	5,143	0.71	178.78	2.23	80.19	1.997
62	Warren South	00219-41	Warren	319	25	2	384,922	1,344	0.66	1,206.65	4.21	286.40	0.000

Penn Power													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI*
1	Enon Valley	D-545	New Castle	1,023	58	0	762,399	1,444	4.64	745.26	1.41	527.98	0.00
2	Camp Reynolds	W-134	Clark	1,736	72	1	717,271	4,110	4.36	413.17	2.37	174.52	0.00
3	BMF	W760	Zelienople	2,659	21	2	654,348	4,108	3.98	246.09	1.54	159.29	0.00
4	Grant Street	W421	New Castle	935	9	1	574,990	2,036	3.50	614.96	2.18	282.41	0.00
5	Darlington	D-536	Zelienople	1,065	46	0	541,786	1,326	3.30	508.72	1.25	408.59	0.00
6	Seneca	W700	Zelienople	1,044	59	1	501,240	2,974	3.05	480.11	2.85	168.54	0.00
7	Henderson	W-281	Clark	697	29	0	490,799	1,084	2.99	704.16	1.56	452.77	0.00
8	Knox	D509	Zelienople	980	21	0	461,554	1,516	2.81	470.97	1.55	304.46	0.00
9	Ingomar	W630	Zelienople	1,737	11	0	442,520	2,164	2.69	254.76	1.25	204.49	0.00

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	2,252	22	1	2,121,152	3,846	2.95	941.90	1.71	551.52
2	Piney Fork	Cochran Mill	Charleroi	1,192	8	1	1,777,216	2,750	2.47	1,490.95	2.31	646.26
3	Smithton	Fitzhenry	Charleroi	1,151	25	2	1,696,527	3,616	2.36	1,473.96	3.14	469.17
4	Lovedale	Township	Charleroi	1,622	41	0	1,408,110	5,126	1.96	868.13	3.16	274.70
5	Westraver	Pittsburgh Coal	Charleroi	1,845	30	2	1,389,873	8,961	1.93	753.32	4.86	155.10
6	Piney Fork	Stoltz	Charleroi	2,253	20	2	1,188,282	5,520	1.65	527.42	2.45	215.27
7	Dutch Fork	Claysville	Washington Pa	1,585	70	1	1,172,572	4,172	1.63	739.79	2.63	281.06
8	St. Clair	Mclaughlin	Boyce	648	30	2	1,164,711	4,259	1.62	1,797.39	6.57	273.47
9	Charleroi	Speers	Charleroi	1,423	54	1	1,107,091	2,723	1.54	778.00	1.91	406.57
10	Buckeye No.3	Paisley	Jefferson	667	16	0	1,085,609	1,362	1.51	1,627.60	2.04	797.07
11	Rutan	Bristoria	Jefferson	1,143	90	0	1,078,554	2,900	1.50	943.62	2.54	371.92
12	Franklin	Rogersville	Jefferson	811	63	2	1,077,888	3,109	1.50	1,329.09	3.83	346.70
13	Whiteley	Mt. Morris	Jefferson	1,061	48	0	1,027,977	2,525	1.43	968.88	2.38	407.12
14	Smithton	Smithton	Charleroi	989	25	0	1,017,308	2,006	1.41	1,028.62	2.03	507.13
15	Amity	Banetown	Washington Pa	1,472	51	0	945,694	2,259	1.31	642.46	1.53	418.63
16	Butler	Center Ave	Butler	1,638	34	1	919,912	4,286	1.28	561.61	2.62	214.63
17	Saltsburg	Saltsburg	Arnold	1,389	55	1	895,061	2,834	1.24	644.39	2.04	315.83
18	Bethlen	Laurel Valley	Latrobe	1,304	75	3	882,511	5,640	1.23	676.77	4.33	156.47
19	Purcell	Artemas	Hyndman	597	26	1	878,580	1,890	1.22	1,471.66	3.17	464.86
20	North Washington	Poke Run	Arnold	1,229	64	0	869,823	2,817	1.21	707.75	2.29	308.78
21	Smith	Florence	Washington Pa	806	54	3	842,580	5,732	1.17	1,045.38	7.11	147.00
22	Finleyville	Finleyville	Charleroi	1,302	33	0	832,285	3,821	1.16	639.24	2.93	217.82
23	Marvindale	Clermont	St Marys	851	16	1	811,735	3,593	1.13	953.86	4.22	225.92
24	Pittsburgh Mills	Tawny Run	Arnold	845	30	1	783,142	2,982	1.09	926.80	3.53	262.62
25	Enlow	Summit	Boyce	1,806	8	0	745,297	5,439	1.03	412.68	3.01	137.03
26	Murrycrest	Sardis Road	Jeannette	1,409	35	3	732,237	8,991	1.02	519.69	6.38	81.44
27	Kiski Valley Distrib	Kittanning Rd	Arnold	1,786	32	1	714,052	4,760	0.99	399.81	2.67	150.01
28	St. Clair	Skyridge	Boyce	899	19	3	708,886	3,939	0.98	788.53	4.38	179.97

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
29	Murrycrest	Christy Road	Jeannette	1,033	45	1	699,025	2,092	0.97	676.69	2.03	334.14
30	Waterville	Waterville	State College	354	24	2	695,676	2,333	0.97	1,965.19	6.59	298.19
31	Driftwood	Driftwood	St Marys	989	36	0	680,818	2,435	0.95	688.39	2.46	279.60
32	Hilliards	Hilliards	Butler	892	27	1	675,567	2,232	0.94	757.36	2.50	302.67
33	Large	Large	Charleroi	548	17	1	657,005	1,168	0.91	1,198.91	2.13	562.50
34	Bethel Park	Clifton	Boyce	937	14	5	649,962	4,872	0.90	693.66	5.20	133.41
35	White Valley	Cloverleaf	Jeannette	2,139	23	1	646,625	3,310	0.90	302.30	1.55	195.35
36	Shaffers Corner	Stewart School	Arnold	1,995	21	1	644,760	6,643	0.90	323.19	3.33	97.06
37	Blue Ridge Summit	Sabillasville	Waynesboro	962	36	0	642,866	2,874	0.89	668.26	2.99	223.68
38	Bentleyville	Bentleyville	Charleroi	1,085	18	0	641,923	1,980	0.89	591.63	1.82	324.20
39	Piney Fork	Knothole	Charleroi	1,609	25	1	607,865	4,330	0.84	377.79	2.69	140.38
40	Bethlen	Darlington	Latrobe	1,244	69	0	603,848	2,594	0.84	485.41	2.09	232.79

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.

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
1	No Bangor	00826-3	Easton	3,196	143	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	6.5	Trees Off ROW-Tree	68%	3Q 2019	
	SAIDI	1,159	Equipment Failure	15%	4Q 2019	
	SAIFI	5.69	Trees Off ROW-Limb	11%	1Q 2020	
	CAIDI	204	All Other	6%	2Q 2020	
	Customer Minutes	3,702,897				
	Customers Affected	18,190				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair items identified during circuit inspection				Complete	Sep-19
	Repair items identified during circuit inspection				Complete	Oct-19
	Install TripSaver Recloser 1				To be completed 2020	50%
	Construct circuit tie Phase 1				To be completed 2020	50%
	Construct circuit tie Phase 2				To be completed 2020	50%
	Rank	Substation	Circuit	District	Customers	Outages
2	Fox Hill	00816-3	Stroudsburg	3,399	67	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	6.0	Trees Off ROW-Tree	38%	4Q 2019	
	SAIDI	1,003	Equipment Failure	35%	1Q 2020	
	SAIFI	1.80	Trees Off ROW-Limb	14%	2Q 2020	
	CAIDI	557	All Other	13%		
	Customer Minutes	3,409,873				
	Customers Affected	6,122				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Overhead circuit inspection				Complete	Sep-19
	Enhance tree removal				Complete	Nov-19
	Thermovision and overhead inspection				Complete	Apr-20
	Repair items identified during circuit inspection				To be completed 2020	60%
	On cycle tree trimming				To be completed 2020	0%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
3	Shawnee	00895-3	Stroudsburg	3,964	109	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	5.6	Trees Off ROW-Tree	70%	3Q 2019	
	SAIDI	795	Ice	11%	4Q 2019	
	SAIFI	2.24	Trees Off ROW-Limb	8%	1Q 2020	
	CAIDI	355	All Other	11%	2Q 2020	
	Customer Minutes	3,150,561				
	Customers Affected	8,875				
	Remedial Action Planned or Taken				Status	Progress
	On cycle tree trimming				To be completed 2020	56%
	Thermovision and overhead inspection				To be completed 2020	0%
	Install TripSaver Recloser				To be completed 2020	50%
	Rank	Substation	Circuit	District	Customers	Outages
4	Mountain	00744-4	Dillsburg	1,833	73	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	3.1	Trees Off ROW-Tree	79%	3Q 2019	
	SAIDI	946	Line Failure	7%	4Q 2019	
	SAIFI	3.73	Equipment Failure	5%	1Q 2020	
	CAIDI	253	All Other	9%	2Q 2020	
	Customer Minutes	1,733,286				
	Customers Affected	6,839				
	Remedial Action Planned or Taken				Status	Progress
	Replace pole from inspection				Complete	Aug-19
	Upgrade Zone 2 recloser to EMS radio-controlled				Complete	Oct-19
	Enhanced tree trimming				Complete	Dec-19
	Overhead circuit inspection				Complete	Jul-20

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
5	Bernville	00787-1	Hamburg	1,845	89	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.8	Lightning	55%	2Q 2020	
	SAIDI	868	Trees Off ROW-Tree	29%		
	SAIFI	1.81	Line Failure	7%		
	CAIDI	480	All Other	9%		
	Customer Minutes	1,601,325				
	Customers Affected	3,333				
	<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
	Replace Recloser				Complete	July- 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	
6	Shawnee	00899-3	Stroudsburg	1,664	40	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.3	Trees Off ROW-Tree	92%	4Q 2019	
	SAIDI	789	Equipment Failure	7%	1Q 2020	
	SAIFI	3.02	Forced Outage	1%	2Q 2020	
	CAIDI	261	All Other	0%		
	Customer Minutes	1,312,916				
	Customers Affected	5,024				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Thermovision and overhead inspection				Complete	Feb-19
	Three-phase overhead inspection				Complete	Jan-19

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
7	Bern Church	00789-1	Reading	1,430	70	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.2	Trees Off ROW-Tree	84%	3Q 2019	
	SAIDI	874	Unknown	5%	4Q 2019	
	SAIFI	2.29	Wind	4%	1Q 2020	
	CAIDI	381	All Other	7%	2Q 2020	
	Customer Minutes	1,249,194				
	Customers Affected	3,280				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Targeted forestry inspection				Complete	Aug-19
	Enhanced Tree Trimming				Complete	Oct-19
	Targeted forestry inspection				Complete	Jun-20
	Targeted tree trimming Milestone Dr				To be completed 2020	0%
	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%
Rank	Substation	Circuit	District	Customers	Outages	
8	S Nazareth	00809-3	Easton	3,240	57	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.1	Trees Off ROW-Tree	77%	3Q 2019	
	SAIDI	374	Equipment Failure	8%	4Q 2019	
	SAIFI	2.14	Trees Off ROW-Limb	7%	1Q 2020	
	CAIDI	175	All Other	8%	2Q 2020	
	Customer Minutes	1,212,809				
	Customers Affected	6,931				
	<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				To be completed 2020	93%
Install TripSaver Recloser #1				To be completed 2020	50%	
Install TripSaver Recloser #2				To be completed 2021	0%	
Install TripSaver Recloser #3				To be completed 2021	0%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
9	W Boyertown	00715-1	Boyertown	1,699	49	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.0	Bird	40%	2Q 2020	
	SAIDI	668	Trees Off ROW-Tree	26%		
	SAIFI	3.34	Equipment Failure	16%		
	CAIDI	200	All Other	18%		
	Customer Minutes	1,135,095				
	Customers Affected	5,668				
	<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				To be completed 2020	99%
	Replace arrester from thermovision inspection #2				To be completed 2020	99%
	Replace arrester from thermovision inspection #3				To be completed 2020	99%
	Replace arrester from thermovision inspection #4				To be completed 2020	99%
Install TripSaver Recloser				To be completed 2020	50%	
Replace cutout from thermovision inspection				To be completed 2020	50%	
Rank	Substation	Circuit	District	Customers	Outages	
10	Taxville	00575-4	York	2,227	51	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.0	Trees Off ROW-Tree	63%	3Q 2019	
	SAIDI	502	Ug Dig-Up	21%	4Q 2019	
	SAIFI	3.01	Equipment Failure	10%	1Q 2020	
	CAIDI	167	All Other	6%	2Q 2020	
	Customer Minutes	1,117,396				
	Customers Affected	6,700				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1				complete	Sep-19
	Engineering Review - Identify for Targeted Mainline Inspection				complete	Sep-19
	Repair/Replace items from Overhead Inspection				To be completed 2020	17%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
11	Barto	00706-1	Boyertown	2,890	126	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.8	Trees Off ROW-Tree	48%	3Q 2019	
	SAIDI	356	Equipment Failure	24%	1Q 2020	
	SAIFI	2.92	Vehicle	17%	2Q 2020	
	CAIDI	122	All Other	11%		
	Customer Minutes	1,030,122				
	Customers Affected	8,439				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	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				To be completed 2020	50%	
On cycle tree trimming				To be completed 2020	55%	
Overhead circuit inspection				To be completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages	
12	Flying Hills	00777-1	Reading	1,783	88	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.7	Trees Off ROW-Tree	56%	3Q 2019	
	SAIDI	552	Equipment Failure	32%	4Q 2019	
	SAIFI	2.02	Trees Off ROW-Limb	6%	1Q 2020	
	CAIDI	274	All Other	6%	2Q 2020	
	Customer Minutes	984,652				
	Customers Affected	3,596				
	<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	
13	Yoe	00559-4	York	2,733	38	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.6	Unknown	60%	2Q 2020	
	SAIDI	341	Equipment Failure	24%		
	SAIFI	2.02	Trees Off ROW-Tree	8%		
	CAIDI	169	All Other	8%		
	Customer Minutes	931,008				
	Customers Affected	5,523				
	Remedial Action Planned or Taken				Status	Progress
	Install additional Supervisory Control and Data Acquisition (SCADA) switch #1				Complete	Sep-19
	Install additional Supervisory Control and Data Acquisition (SCADA) switch #2				Complete	Sep-19
	Targeted Mainline Circuit Rehabilitation				Complete	Feb-20
	Post Storm Patrol				Complete	Jun-20
	Rank	Substation	Circuit	District	Customers	Outages
14	Hill	00734-4	York	1,644	46	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.5	Unknown	70%	3Q 2019	
	SAIDI	527	Trees Off ROW-Tree	16%	4Q 2019	
	SAIFI	1.87	Trees Off ROW-Limb	7%	1Q 2020	
	CAIDI	282	All Other	7%	2Q 2020	
	Customer Minutes	866,949				
	Customers Affected	3,078				
	Remedial Action Planned or Taken				Status	Progress
	Repair/replace high priority items identified during overhead circuit patrol				Complete	Jul-19
	Replace priority pole				Complete	Oct-19
	Three-phase overhead inspection				Complete	Oct-19
	Repair/Replace items from Capacitor Inspection #3				Complete	Mar-20
	On cycle tree trimming				To be completed 2020	40%
Install TripSaver Recloser #1				To be completed 2021	0%	
Install TripSaver Recloser #2				To be completed 2021	0%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
15	Mc Knights Gap	00774-1	Reading	1,579	42	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.5	Trees Off ROW-Tree	74%	2Q 2020	
	SAIDI	540	Unknown	7%		
	SAIFI	1.65	Equipment Failure	6%		
	CAIDI	327	All Other	13%		
	Customer Minutes	852,928				
	Customers Affected	2,612				
	Remedial Action Planned or Taken				Status	Progress
	Targeted forestry inspection				Complete	Apr-20
	Targeted forestry inspection				Complete	Jun-20
	Install TripSaver Recloser #1				To be completed 2020	50%
	Install TripSaver Recloser #2				To be completed 2020	50%
	On cycle tree trimming				To be completed 2020	0%
	Rank	Substation	Circuit	District	Customers	Outages
16	North Cornwall	00610-2	Lebanon	2,188	69	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1.5	Trees Off ROW-Tree	68%	3Q 2019	
	SAIDI	377	Equipment Failure	15%	4Q 2019	
	SAIFI	3.19	Unknown	11%	1Q 2020	
	CAIDI	118	All Other	6%	2Q 2020	
	Customer Minutes	824,043				
	Customers Affected	6,976				
	Remedial Action Planned or Taken				Status	Progress
	Repair/replace high priority items identified during inspection				Complete	Oct-19
	Remove switch that limits backfeed capacity				Complete	Dec-19
	Porcelain cutout replacement in the lockout zone				Complete	Dec-19
	On cycle tree trimming				To be completed 2020	95%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
17	Mcherrystown	00292-4	Hanover	734	4
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Equipment Failure	61%	2Q 2020
	SAIDI	1,077	Human Error - Company	38%	
	SAIFI	3.01	Forced Outage	1%	
	CAIDI	358	All Other	0%	
	Customer Minutes	790,332			
	Customers Affected	2,210			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Upgrade Regulator			To be completed 2020	99%
	Upgrade Recloser			To be completed 2020	99%
	Install MOAB on source circuit			To be completed 2020	99%
	Cycle tree trimming			To be completed 2020	0%
	Rank	Substation	Circuit	District	Customers
18	Water Gap	00109-3	Stroudsburg	205	12
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees Off ROW-Tree	82%	4Q 2019
	SAIDI	3,839	Trees - Sec/Service	15%	1Q 2020
	SAIFI	2.02	Trees On Row	3%	2Q 2020
	CAIDI	1,901	All Other	0%	
	Customer Minutes	787,043			
	Customers Affected	414			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Create new source			To be completed 2020	50%
	Overhead circuit inspection			To be completed 2020	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
19	Huffs Church	00600-1	Boyertown	1,502	90
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.3	Trees Off ROW-Tree	59%	3Q 2019
	SAIDI	503	Vehicle	25%	4Q 2019
	SAIFI	1.60	Equipment Failure	4%	2Q 2020
	CAIDI	314	All Other	12%	
	Customer Minutes	755,703			
	Customers Affected	2,404			
	Remedial Action Planned or Taken			Status	Progress
	Replace mainline pole from inspection			Complete	Jul-19
	Replace crossarm from inspection			Complete	Sep-19
	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	0%	
Rank	Substation	Circuit	District	Customers	Outages
20	Crossroads	00728-4	York	1,172	60
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.3	Vehicle	53%	3Q 2019
	SAIDI	636	Equipment Failure	23%	4Q 2019
	SAIFI	1.79	Trees Off ROW-Tree	8%	1Q 2020
	CAIDI	355	All Other	16%	2Q 2020
	Customer Minutes	745,128			
	Customers Affected	2,101			
	Remedial Action Planned or Taken			Status	Progress
	Install Supervisory Control and Data Acquisition (SCADA) switch #3			Complete	Nov-19
	Replaced Capacitor control			Complete	Feb-20
	On cycle tree trimming			Complete	Jul-19
	Install TripSaver Recloser			To be completed 2020	0%
	Install Supervisory Control and Data Acquisition (SCADA) switch			To be completed 2020	0%
	Install Supervisory Control and Data Acquisition (SCADA) switch			To be completed 2020	0%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
21	Crossroads	00729-4	York	875	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Equipment Failure	42%	3Q 2019
	SAIDI	835	Unknown	26%	4Q 2019
	SAIFI	3.97	Lightning	22%	1Q 2020
	CAIDI	210	All Other	10%	2Q 2020
	Customer Minutes	730,315			
	Customers Affected	3,475			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Rehabilitation - Replace H-Frame structures			Complete	Oct-19
	Install Supervisory Control and Data Acquisition (SCADA) switch #1			Complete	Nov-19
	Install Supervisory Control and Data Acquisition (SCADA) recloser #1			Complete	Dec-19
	Replace recloser #1 2019			Complete	Oct-19
	Replace recloser #2 2019			Complete	Oct-19
On cycle tree trimming			Complete	Jul-19	
Rank	Substation	Circuit	District	Customers	Outages
22	Shawnee	00833-3	Stroudsburg	892	30
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Unknown	31%	1Q 2020
	SAIDI	819	Trees Off ROW-Tree	28%	2Q 2020
	SAIFI	4.30	Equipment Failure	27%	
	CAIDI	190	All Other	14%	
	Customer Minutes	730,171			
	Customers Affected	3,833			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Construct circuit tie			Complete	Mar-20
	Thermovision and overhead inspection			Complete	May-20

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
23	Windsor	00797-4	York	1,550	85
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW-Tree	63%	3Q 2019
	SAIDI	447	Forced Outage	24%	4Q 2019
	SAIFI	4.85	Trees Off ROW-Limb	3%	1Q 2020
	CAIDI	92	All Other	10%	2Q 2020
	Customer Minutes	692,998			
	Customers Affected	7,521			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install additional Supervisory Control and Data Acquisition (SCADA) switch #1			Complete	Sep-19
	Install additional Supervisory Control and Data Acquisition (SCADA) switch #2			Complete	Sep-19
	Install additional Supervisory Control and Data Acquisition (SCADA) switch #3			Complete	Sep-19
	Install additional Supervisory Control and Data Acquisition (SCADA) switch #4			Complete	Sep-19
	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
24	Lynnville	00737-1	Hamburg	1,071	74
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW-Tree	72%	2Q 2020
	SAIDI	646	Unknown	15%	
	SAIFI	2.32	Equipment Failure	8%	
	CAIDI	278	All Other	5%	
	Customer Minutes	691,796			
	Customers Affected	2,485			
	<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
	Overhead circuit inspection			To be completed 2020	0%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
25	Yorkana	00715-4	York	1,802	47	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.2	Trees Off ROW-Limb	30%	2Q 2020	
	SAIDI	379	Trees Off ROW-Tree	27%		
	SAIFI	3.08	Unknown	24%		
	CAIDI	123	All Other	19%		
	Customer Minutes	682,278				
	Customers Affected	5,546				
	<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	25%
	Rank	Substation	Circuit	District	Customers	Outages
	26	Schuylkill Ave	00157-1	Reading	1,617	9
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.2	Unknown	46%	2Q 2020	
SAIDI		411	Vehicle	40%		
SAIFI		2.10	Equipment Failure	5%		
CAIDI		196	All Other	9%		
Customer Minutes		664,419				
Customers Affected		3,397				
<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				To be completed 2020	0%	
Rank		Substation	Circuit	District	Customers	Outages
27		Mohnton	00144-1	Reading	970	19
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.2	Trees Off ROW-Tree	93%	1Q 2020	
	SAIDI	682	Equipment Failure	4%	2Q 2020	
	SAIFI	2.23	Line Failure	3%		
	CAIDI	305	All Other	0%		
	Customer Minutes	661,544				
	Customers Affected	2,166				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	On cycle tree trimming				Complete	Sep-19
	Overhead circuit inspection				Complete	Jan-20
	Targeted forestry inspection				Complete	Feb-20

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
28	Hill	00737-4	York	2,273	39	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.2	Equipment Failure	72%	4Q 2019	
	SAIDI	288	Trees Off ROW-Tree	18%	1Q 2020	
	SAIFI	2.20	Human Error -Non-Company	5%	2Q 2020	
	CAIDI	131	All Other	5%		
	Customer Minutes	655,656				
	Customers Affected	5,011				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install Supervisory Control and Data Acquisition (SCADA) switch				Complete	Dec-19
	On cycle tree trimming				To be completed 2020	62%
	Install additional mainline switch				To be completed 2021	0%
	Rank	Substation	Circuit	District	Customers	Outages
	29	Lyons	00729-1	Reading	1,284	82
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.2	Trees Off ROW-Tree	53%	2Q 2020	
SAIDI		508	Equipment Failure	23%		
SAIFI		1.87	Trees On Row	10%		
CAIDI		271	All Other	14%		
Customer Minutes		652,341				
Customers Affected		2,405				
<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>	
Create additional circuit tie				Complete	Apr-20	
On cycle tree trimming				To be completed 2020	62%	
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%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
30	Windsor	00795-4	York	1,019	79
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees Off ROW-Tree	78%	4Q 2019
	SAIDI	592	Equipment Failure	10%	1Q 2020
	SAIFI	2.53	Trees Off ROW-Limb	6%	2Q 2020
	CAIDI	234	All Other	6%	
	Customer Minutes	603,136			
	Customers Affected	2,579			
	Remedial Action Planned or Taken			Status	Progress
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Sep-19
	Install additional Supervisory Control and Data Acquisition (SCADA) switch			Complete	Aug-19
	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	10%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
31	Bernville	00786-1	Hamburg	1,849	79	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.1	Trees Off ROW-Tree	43%	3Q 2019	
	SAIDI	325	Lightning	23%	4Q 2019	
	SAIFI	1.79	Equipment Failure	18%	1Q 2020	
	CAIDI	181	All Other	16%	2Q 2020	
	Customer Minutes	600,668				
	Customers Affected	3,317				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace mainline crossarm braces from inspection				Complete	Sep-19
	Upgrade mainline recloser				Complete	Sep-19
	Replace crossarm brace from thermovision inspection				Complete	Jan- 20
	Replace crossarm brace from thermovision inspection				Complete	Jan- 20
	Install Supervisory Control and Data Acquisition (SCADA) recloser				Complete	Aug- 19
	Install Supervisory Control and Data Acquisition (SCADA) switch #1				Complete	Oct- 19
	Install Supervisory Control and Data Acquisition (SCADA) switch #2				Complete	Oct- 19
	Targeted Mainline Circuit Rehabilitation #1				Complete	Jan- 20
	Targeted Mainline Circuit Rehabilitation #2				Complete	Jan- 20
	Targeted Mainline Circuit Rehabilitation #3				To be completed 2020	50%
	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 Supervisory Control and Data Acquisition (SCADA) switch #3				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch #4				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch #5				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch #6				To be completed 2020	50%
	Install Supervisory Control and Data Acquisition (SCADA) switch #7				To be completed 2020	50%
Install Supervisory Control and Data Acquisition (SCADA) recloser #1				To be completed 2020	50%	
Install Supervisory Control and Data Acquisition (SCADA) recloser #2				To be completed 2020	50%	
Install Supervisory Control and Data Acquisition (SCADA) recloser #3				To be completed 2020	50%	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
32	Mountain	00743-4	Dillsburg	1,030	31	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.1	Trees Off ROW-Limb	76%	1Q 2020	
	SAIDI	582	Trees Off ROW-Tree	17%	2Q 2020	
	SAIFI	3.61	Trees On Row	3%		
	CAIDI	162	All Other	4%		
	Customer Minutes	599,911				
	Customers Affected	3,714				
	<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
	Rank	Substation	Circuit	District	Customers	Outages
33	Broad Street	00776-2	Lebanon	1,929	23	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Trees Off ROW-Tree	48%	3Q 2019	
	SAIDI	297	Equipment Failure	42%	1Q 2020	
	SAIFI	2.04	Human Error - Company	5%	2Q 2020	
	CAIDI	145	All Other	5%		
	Customer Minutes	572,319				
	Customers Affected	3,942				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	On cycle tree trimming				To be completed 2020	0%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
34	S Hamburg	00801-1	Hamburg	2,080	63	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Trees Off ROW-Tree	54%	2Q 2020	
	SAIDI	272	Forced Outage	16%		
	SAIFI	1.53	Vehicle	13%		
	CAIDI	178	All Other	17%		
	Customer Minutes	565,994				
	Customers Affected	3,174				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace crossarm from inspection				Complete	Nov- 19
	Replace crossarm from inspection				Complete	Nov- 19
	Replace crossarm from inspection				Complete	Oct- 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
Install TripSaver Recloser #1				To be completed 2020	50%	
Install TripSaver Recloser #2				To be completed 2020	50%	
Overhead circuit inspection				To be completed 2020	0%	
On cycle tree trimming				To Be Completed 2020	88%	
Rank	Substation	Circuit	District	Customers	Outages	
35	Bern Church	00791-1	Reading	646	34	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Trees Off ROW-Tree	38%	2Q 2020	
	SAIDI	846	Equipment Failure	21%		
	SAIFI	5.01	Line Failure	20%		
	CAIDI	169	All Other	21%		
	Customer Minutes	546,661				
	Customers Affected	3,236				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Install additional circuit tap protection				Complete	Jul-19
	Replace UG cable along White Oak and Possum Lanes URD				Complete	Oct-19
	Circuit Reconfiguration				Complete	May-20
	Targeted forestry inspection				Complete	Jun-20

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
36	Shawnee	00860-3	Stroudsburg	2,662	60	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.9	Trees Off ROW-Tree	42%	2Q 2020	
	SAIDI	201	Vehicle	29%		
	SAIFI	2.71	Human Error -Non-Company	8%		
	CAIDI	74	All Other	21%		
	Customer Minutes	534,914				
	Customers Affected	7,215				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Thermovision and overhead inspection				Complete	May-20
	Install TripSaver Recloser				To be completed 2020	50%
	Rank	Substation	Circuit	District	Customers	Outages
37	Dillsburg	00746-4	Dillsburg	2,559	46	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.9	Trees Off ROW-Tree	70%	2Q 2020	
	SAIDI	202	Wind	13%		
	SAIFI	1.90	Vehicle	5%		
	CAIDI	106	All Other	12%		
	Customer Minutes	516,401				
	Customers Affected	4,865				
	<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
38	Annvile	00740-2	Lebanon	958	24	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.9	Equipment Failure	47%	2Q 2020	
	SAIDI	520	Trees On Row	24%		
	SAIFI	1.53	Wind	22%		
	CAIDI	339	All Other	7%		
	Customer Minutes	498,194				
	Customers Affected	1,468				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	On cycle tree trimming				Complete	Dec-19
	Repair/replace high priority items found during thermovision and overhead inspection				Complete	Apr-20
	Post 4/9/2020 storm circuit patrol				Complete	Apr-20
Post 6/3/2020 storm circuit patrol				Complete	Jun-20	
Targeted forestry inspection and trimming				To be completed 2020	Jan-00	

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
39	Fox Hill	00852-3	Stroudsburg	794	31	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.8	Equipment Failure	42%	2Q 2020	
	SAIDI	602	Trees Off ROW-Tree	34%		
	SAIFI	2.14	Trees Off ROW-Limb	18%		
	CAIDI	281	All Other	6%		
	Customer Minutes	478,063				
	Customers Affected	1,703				
	Remedial Action Planned or Taken				Status	Progress
	Thermovision and overhead inspection				Complete	Apr-20

Met-Ed					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	3Q 2019	4Q 2019	1Q 2020	2Q 2020
Barto	00705-1	X	X	X	
Birdsboro	00756-1	X	X		
Birdsboro	00757-1	X	X		
Campbelltown	00731-2	X	X	X	
Carsonia	00764-1	X	X	X	
East Prospect	00765-4	X	X	X	
Fairview	00519-4	X	X	X	
Ferndale	00871-3	X	X	X	
Hokes	00587-4	X	X	X	
Lickdale	00626-2	X	X	X	
Lynnville	00735-1	X	X	X	
Mountain	00740-4	X	X		
Newberry	00576-4		X	X	
Painted Sky	00650-1		X	X	
Palmer	00657-3	X	X	X	
Queen St	00522-4	X	X		
Raintree	00642-4	X	X	X	
South 6th St	00415-2	X	X	X	
Saylorsburg	00114-3	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	On cycle tree trimming	Complete	May-20
Barto	00705-1	Install TripSaver Recloser	To be completed 2020	50%
Barto	00705-1	Overhead circuit inspection	To be completed 2020	0%
Belfast	00812-3	Install Supervisory Control and Data Acquisition (SCADA) recloser	To be completed 2020	90%
Belfast	00812-3	Install Supervisory Control and Data Acquisition (SCADA) recloser	To be completed 2020	90%
Campbelltown	00731-2	On cycle tree trimming	To be completed 2020	62%
Campbelltown	00731-2	Upgrade fusing	To be completed 2020	50%
Carsonia	00764-1	Targeted forestry inspection	Complete	Apr-20
Clearfield	00631-3	Construct circuit tie	To be completed 2020	95%
Clearfield	00632-3	Construct circuit tie	To be completed 2020	95%
East Prospect	00765-4	On cycle tree trimming	Complete	May-20
Fairview	00519-4	Overhead circuit inspection	Complete	Apr-20
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	On cycle tree trimming	Complete	May-20
Ferndale	00871-3	Thermovision and overhead inspection	Complete	Apr-20
Ferndale	00871-3	Install TripSaver Recloser	To be completed 2020	0%
Hokes	00587-4	Repair/replace high priority items identified during inspection	To be completed 2020	10%
Lickdale	00626-2	Install fusing	To be completed 2020	50%
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	90%
Painted Sky	00650-1	Install additional mainline disconnects	To be completed 2020	50%
Palmer	00657-3	Overhead circuit inspection	To be completed 2020	0%
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%
Shawnee	00822-3	Install Supervisory Control and Data Acquisition (SCADA) switch	To be completed 2020	90%
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%
Springwood	00680-4	On cycle tree trimming	To be completed 2020	0%
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	Dubois	Dubois	00137-23	3,200	122	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	492.2	Trees Off ROW-Tree	54%	3Q 2019	
	SAIDI	2	Equipment Failure	17%	4Q 2019	
	SAIFI	2.45	Line Failure	10%	1Q 2020	
	CAIDI	201	All Other	19%	2Q 2020	
	Customer Minutes	1,575,018				
	Customers Affected	7,824				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees				Complete	Aug-19
	Repair damage caused by line failure				Complete	Jan-20
	On cycle tree trimming				Complete	Nov-19
	Circuit inspection				Complete	Mar-20
	Install advanced Dx protective devices				Complete	Jun-20
2	Lewistown	Logan	00700-81	991	48	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1524.2	Trees Off ROW-Tree	88%	3Q 2019	
	SAIDI	7	Lightning	5%	4Q 2019	
	SAIFI	6.82	Vehicle	3%	1Q 2020	
	CAIDI	224	All Other	4%	2Q 2020	
	Customer Minutes	1,510,515				
	Customers Affected	6,755				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair damage caused by trees				Complete	Dec-19
	Circuit inspection				Complete	Apr-20
	3	Somerset	Meyersdale North	00022-12	1,551	51
		<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
SAIDI Impact		958.8	Trees Off ROW-Tree	91%	1Q 2020	
SAIDI		3	Vehicle	6%	2Q 2020	
SAIFI		2.87	Lightning	1%		
CAIDI		334	All Other	2%		
Customer Minutes		1,487,174				
Customers Affected		4,451				
<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	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
4	Oil City	Piney	00523-51	1,508	54	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	966.9	Trees Off ROW-Tree	47%	3Q 2019	
	SAIDI	4	Equipment Failure	31%	4Q 2019	
	SAIFI	3.58	Unknown	11%	1Q 2020	
	CAIDI	270	All Other	11%	2Q 2020	
	Customer Minutes	1,458,044				
	Customers Affected	5,402				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Complete	Aug-19
	Circuit inspection				Complete	Sep-19
	Repair damage caused by trees during a storm				Complete	Mar-20
	Install new radio-controlled switch				To be Completed 2020	95%
	On cycle tree trimming				To be Completed 2020	80%
	Install advanced Dx protective devices				To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages	
5	Warren	North Warren	00207-41	1,363	81	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1057.3	Trees Off ROW-Tree	49%	3Q 2019	
	SAIDI	7	Equipment Failure	25%	4Q 2019	
	SAIFI	6.79	Ice	16%	1Q 2020	
	CAIDI	156	All Other	10%	2Q 2020	
	Customer Minutes	1,441,098				
	Customers Affected	9,254				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Complete	Jul-19
	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
	Circuit inspection				Complete	Apr-20
	Targeted circuit rehabilitation				To be Completed 2020	0%
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	
6	Towanda	Grover	00527-63	1,046	70	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1149.3	Human Error -Non-Company	44%	3Q 2019	
	SAIDI	3	Trees Off ROW-Limb	15%	4Q 2019	
	SAIFI	2.74	Animal	13%	1Q 2020	
	CAIDI	419	All Other	28%	2Q 2020	
	Customer Minutes	1,202,116				
	Customers Affected	2,869				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair damage caused by non-company human error			Complete	Sep-19	
	Repair damage caused by an squirrel			Complete	Dec-19	
	Repair damage caused by trees during a storm			Complete	Apr-20	
	Circuit inspection			Complete	May-20	
	Rank	Substation	Circuit	District	Customers	Outages
7	Montrose	Thompson	00436-65	1,327	85	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	902.3	Trees Off ROW-Tree	35%	3Q 2019	
	SAIDI	2	Line Failure	28%	4Q 2019	
	SAIFI	2.09	Equipment Failure	24%	1Q 2020	
	CAIDI	432	All Other	13%	2Q 2020	
	Customer Minutes	1,197,325				
	Customers Affected	2,770				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair equipment failure			Complete	Jul-19	
	Repair line failure			Complete	Dec-19	
	On cycle tree trimming			To be Completed 2020	65%	
	Rank	Substation	Circuit	District	Customers	Outages
	8	Towanda	East Sayre	00518-61	905	35
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1301.8	Unknown	64%	4Q 2019	
SAIDI		4	Lightning	16%	1Q 2020	
SAIFI		3.91	Equipment Failure	15%	2Q 2020	
CAIDI		333	All Other	5%		
Customer Minutes		1,178,135				
Customers Affected		3,541				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Repair damage caused by lightning			Complete	Aug-19		
Restore breaker operation of unknown cause			Complete	Nov-19		
Circuit inspection			Complete	Apr-20		

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
9	Montrose	N Meshoppen Tran	00534-65	821	56
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1430.5	Trees Off ROW-Tree	67%	4Q 2019
	SAIDI	3	Line Failure	20%	1Q 2020
	SAIFI	3.32	Equipment Failure	7%	2Q 2020
	CAIDI	431	All Other	6%	
	Customer Minutes	1,174,428			
	Customers Affected	2,725			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Dec-19
	Repair line failure			Complete	Dec-19
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
10	Montrose	Lake Como	00787-65	893	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1244.5	Line Failure	48%	3Q 2019
	SAIDI	4	Trees Off ROW-Tree	20%	4Q 2019
	SAIFI	3.92	Equipment Failure	18%	1Q 2020
	CAIDI	318	All Other	14%	2Q 2020
	Customer Minutes	1,111,373			
	Customers Affected	3,498			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jul-19
	Repair line failure			Complete	Dec-19
Circuit inspection			Complete	Mar-20	
Repair equipment failure			Complete	Apr-20	
Install advanced Dx protective devices			To be Completed 2020	0%	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
11	Somerset	Somerset	00017-12	1,367	41
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	691.0	Trees Off ROW-Tree	96%	2Q 2020
	SAIDI	2	Unknown	2%	
	SAIFI	1.90	Line Failure	1%	
	CAIDI	364	All Other	1%	
	Customer Minutes	944,605			
	Customers Affected	2,597			
	<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	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
12	Oil City	Utica Junction	00331-51	641	43	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1408.5	Trees Off ROW-Tree	70%	3Q 2019	
	SAIDI	4	Equipment Failure	14%	4Q 2019	
	SAIFI	4.26	Line Failure	8%	1Q 2020	
	CAIDI	330	All Other	8%	2Q 2020	
	Customer Minutes	902,858				
	Customers Affected	2,732				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair equipment failure				Complete	Aug-19
	Install advanced Dx protective devices				To be Completed 2020	0%
	On cycle tree trimming				To be Completed 2020	0%
	Rank	Substation	Circuit	District	Customers	Outages
13	Altoona	Fairview Altoona	00005-71	1,413	9	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	638.8	Vehicle	55%	4Q 2019	
	SAIDI	2	Equipment Failure	42%	1Q 2020	
	SAIFI	1.65	Line Failure	2%	2Q 2020	
	CAIDI	388	All Other	1%		
	Customer Minutes	902,610				
	Customers Affected	2,328				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Complete	Nov-19
	Repair damage caused by a vehicle				Complete	Dec-19
Rank	Substation	Circuit	District	Customers	Outages	
14	Warren	Warren South	00220-41	2,841	92	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	305.8	Trees Off ROW-Tree	52%	3Q 2019	
	SAIDI	2	Equipment Failure	27%	4Q 2019	
	SAIFI	1.83	Human Error -Non-Company	6%	1Q 2020	
	CAIDI	168	All Other	15%	2Q 2020	
	Customer Minutes	868,730				
	Customers Affected	5,186				
	<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
	Install advanced Dx protective devices				To be Completed 2020	0%
Circuit inspection				To be Completed 2020	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
15	Mansfield Pa	Wellsboro	00324-63	251	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3358.6	Trees Off ROW-Tree	73%	4Q 2019
	SAIDI	3	Unknown	10%	1Q 2020
	SAIFI	3.43	Animal	8%	2Q 2020
	CAIDI	978	All Other	9%	
	Customer Minutes	843,012			
	Customers Affected	862			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Dec-19
	Restored fuse operation of unknown cause			Complete	Apr-20
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
16	Oil City	Marienville	00328-51	1,097	51
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	761.9	Trees Off ROW-Tree	77%	3Q 2019
	SAIDI	2	Line Failure	15%	4Q 2019
	SAIFI	2.33	Equipment Failure	3%	1Q 2020
	CAIDI	327	All Other	5%	2Q 2020
	Customer Minutes	835,777			
	Customers Affected	2,552			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jul-19
	Repair damage caused by trees during a storm			Complete	Jan-20
Install advanced Dx protective devices			Complete	May-20	
Circuit inspection			To be Completed 2020	0%	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
17	Somerset	Hooversville	00019-12	1,604	47
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	507.8	Trees Off ROW-Tree	49%	2Q 2020
	SAIDI	4	Equipment Failure	32%	
	SAIFI	3.87	Unknown	7%	
	CAIDI	131	All Other	12%	
	Customer Minutes	814,582			
	Customers Affected	6,207			
	<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
18	Mansfield Pa	Mansfield	00559-63	560	33
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1414.2	Other Electric Utility	31%	4Q 2019
	SAIDI	4	Equipment Failure	23%	1Q 2020
	SAIFI	4.20	Unknown	18%	2Q 2020
	CAIDI	337	All Other	28%	
	Customer Minutes	791,975			
	Customers Affected	2,352			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Jul-19
	Repair damage caused by non-company human error			Complete	Dec-19
	Repair equipment failure			Complete	Apr-20
	Targeted circuit rehabilitation			To be Completed 2020	0%
	Rank	Substation	Circuit	District	Customers
19	Montrose	Tiffany	00435-65	1,273	40
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	576.8	Trees Off ROW-Tree	60%	2Q 2020
	SAIDI	2	Animal	21%	
	SAIFI	1.95	Lightning	7%	
	CAIDI	295	All Other	12%	
	Customer Minutes	734,252			
	Customers Affected	2,487			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by an animal			Complete	Oct-19
Repair damage caused by trees during a storm			Complete	Apr-20	
Rank	Substation	Circuit	District	Customers	Outages
20	Mansfield Pa	Covington	00729-63	777	33
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	944.7	Equipment Failure	59%	4Q 2019
	SAIDI	2	Forced Outage	15%	2Q 2020
	SAIFI	1.71	Unknown	11%	
	CAIDI	553	All Other	15%	
	Customer Minutes	734,033			
	Customers Affected	1,327			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Oct-19
Restored fuse operation of unknown cause			Complete	Dec-19	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
21	Lewistown	Logan	00701-81	1,304	28	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	552.9	Trees Off ROW-Tree	49%	3Q 2019	
	SAIDI	2	Line Failure	35%	4Q 2019	
	SAIFI	1.56	Lightning	14%	1Q 2020	
	CAIDI	354	All Other	2%	2Q 2020	
	Customer Minutes	720,968				
	Customers Affected	2,038				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair line failure				Complete	Oct-19
	Targeted circuit rehabilitation				Complete	Jun-20
	Rank	Substation	Circuit	District	Customers	Outages
22	Bradford	Two Mile	00127-42	1,282	46	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	561.1	Equipment Failure	48%	4Q 2019	
	SAIDI	3	Forced Outage	20%	1Q 2020	
	SAIFI	2.75	Line Failure	16%	2Q 2020	
	CAIDI	204	All Other	16%		
	Customer Minutes	719,319				
	Customers Affected	3,531				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Aug-19
	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	
Install advanced Dx protective devices				To be Completed 2020	0%	
Circuit inspection				To be Completed 2020	0%	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
23	Meadville	Springboro	00237-52	2,532	70
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	279.0	Trees Off ROW-Tree	65%	3Q 2019
	SAIDI	3	Bird	15%	4Q 2019
	SAIFI	2.74	Object Contact With Line	9%	1Q 2020
	CAIDI	102	All Other	11%	2Q 2020
	Customer Minutes	706,410			
	Customers Affected	6,934			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Sep-19
	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
	Install advanced Dx protective devices			To be Completed 2020	0%
	Rank	Substation	Circuit	District	Customers
24	Montrose	Tiffany	00440-65	1,197	37
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	589.4	Bird	49%	3Q 2019
	SAIDI	5	Equipment Failure	18%	4Q 2019
	SAIFI	4.75	Unknown	17%	1Q 2020
	CAIDI	124	All Other	16%	2Q 2020
	Customer Minutes	705,552			
	Customers Affected	5,689			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a bird			Complete	Aug-19
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair equipment failure			Complete	Dec-19
	Restored breaker operation of unknown cause			Complete	Apr-20
	Targeted circuit rehabilitation			To be Completed 2020	0%

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
25	Philipsburg	Philipsburg	00162-22	2,827	61
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	245.9	Equipment Failure	58%	3Q 2019
	SAIDI	2	Lightning	14%	4Q 2019
	SAIFI	2.29	Line Failure	12%	1Q 2020
	CAIDI	107	All Other	16%	2Q 2020
	Customer Minutes	695,100			
	Customers Affected	6,479			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Aug-19
	Repair line failure			Complete	Aug-19
	Repair damage caused by lightning			Complete	Aug-19
	Repair equipment failure			Complete	Apr-20
	Circuit inspection			Complete	May-20
	Install advanced Dx protective devices			To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
26	Lewistown	Mcveytown	00112-81	1,291	54
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	522.4	Trees Off ROW-Tree	61%	3Q 2019
	SAIDI	2	Line Failure	24%	2Q 2020
	SAIFI	2.07	Trees Off ROW-Limb	6%	
	CAIDI	253	All Other	9%	
	Customer Minutes	674,467			
	Customers Affected	2,668			
	<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	Outages
27	Somerset	Hooversville	00018-12	750	35
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	885.5	Trees Off ROW-Tree	82%	2Q 2020
	SAIDI	2	Trees Off ROW-Limb	8%	
	SAIFI	2.35	Vehicle	7%	
	CAIDI	377	All Other	3%	
	Customer Minutes	664,160			
	Customers Affected	1,763			
	<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	Montrose	Laurel Lake Sub Tran	00449-65	551	42
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1199.3	Line Failure	42%	3Q 2019
	SAIDI	6	Trees Off ROW-Tree	35%	1Q 2020
	SAIFI	6.01	Equipment Failure	17%	2Q 2020
	CAIDI	200	All Other	6%	
	Customer Minutes	660,815			
	Customers Affected	3,310			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Aug-19
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair equipment failure			Complete	Feb-20
	Repair line failure			Complete	Apr-20
	Rank	Substation	Circuit	District	Customers
29	Mansfield Pa	Ansonia	00740-63	171	23
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3841.2	Unknown	69%	4Q 2019
	SAIDI	4	Trees Off ROW-Tree	18%	1Q 2020
	SAIFI	3.94	Line Failure	11%	2Q 2020
	CAIDI	976	All Other	2%	
	Customer Minutes	656,845			
	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	
Rank	Substation	Circuit	District	Customers	Outages
30	Altoona	Samuel Rea Car Shop	00031-71	1,692	19
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	387.9	Lightning	88%	2Q 2020
	SAIDI	2	Forced Outage	4%	
	SAIFI	1.60	Line Failure	4%	
	CAIDI	243	All Other	4%	
	Customer Minutes	656,273			
	Customers Affected	2,704			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
Repair damage caused by lightning			Complete	Aug-19	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
31	Lewistown	Reedsville	00127-81	925	20
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	705.1	Trees Off ROW-Tree	94%	3Q 2019
	SAIDI	2	Vehicle	5%	4Q 2019
	SAIFI	1.57	Lightning	1%	1Q 2020
	CAIDI	449	All Other	0%	2Q 2020
	Customer Minutes	652,232			
	Customers Affected	1,454			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair damage caused by trees during a storm			Complete	Aug-19
32	Montrose	Industrial Park	00796-65	357	14
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1822.6	Trees Off ROW-Tree	45%	2Q 2020
	SAIDI	5	Line Failure	27%	
	SAIFI	5.13	Ice	26%	
	CAIDI	356	All Other	2%	
	Customer Minutes	650,670			
	Customers Affected	1,830			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair line failure			Complete	Dec-19
Repair damage caused by ice			Complete	Apr-20	
33	Philipsburg	Madera	00166-22	1,429	35
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	438.6	Vehicle	62%	3Q 2019
	SAIDI	2	Equipment Failure	25%	4Q 2019
	SAIFI	2.17	Trees Off ROW-Tree	13%	1Q 2020
	CAIDI	202	All Other	0%	2Q 2020
	Customer Minutes	626,787			
	Customers Affected	3,103			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle			Complete	Jul-19
	Repair damage caused by trees during a storm			Complete	Oct-19
Install advanced Dx protective devices			To be Completed 2020	0%	
Circuit inspection			To be Completed 2020	0%	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
34	Lewistown	Industrial	00170-81	765	21	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	761.3	Trees Off ROW-Tree	34%	3Q 2019	
	SAIDI	4	Lightning	33%	4Q 2019	
	SAIFI	4.41	Trees Off ROW-Limb	13%	1Q 2020	
	CAIDI	173	All Other	20%	2Q 2020	
	Customer Minutes	582,416				
	Customers Affected	3,373				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Jul-19
	Repair damage caused by lightning				Complete	Aug-19
Rank	Substation	Circuit	District	Customers	Outages	
35	Altoona	Curryville	00644-71	1,785	73	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	322.7	Equipment Failure	46%	3Q 2019	
	SAIDI	2	Line Failure	43%	4Q 2019	
	SAIFI	2.13	Forced Outage	8%	1Q 2020	
	CAIDI	151	All Other	3%	2Q 2020	
	Customer Minutes	575,992				
	Customers Affected	3,803				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Complete	Sep-19
	Repair line failure				Complete	Apr-20
Circuit inspection				Complete	Apr-20	
On cycle tree trimming				To be Completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages	
36	Indiana	East Pike	00095-13	4,568	33	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	123.7	Human Error - Company	40%	4Q 2019	
	SAIDI	2	Equipment Failure	41%	1Q 2020	
	SAIFI	1.80	Line Failure	10%	2Q 2020	
	CAIDI	69	All Other	9%		
	Customer Minutes	565,110				
	Customers Affected	8,226				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Complete	Oct-19
	On cycle tree trimming				Complete	Dec-19
Circuit inspection				Complete	Apr-20	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
37	Montrose	Lake Como	00788-65	633	29	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	890.9	Trees Off ROW-Tree	91%	2Q 2020	
	SAIDI	3	Equipment Failure	7%		
	SAIFI	2.59	Line Failure	2%		
	CAIDI	344	All Other	0%		
	Customer Minutes	563,946				
	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	Dec-19
	Repair damage caused by trees during a storm				Complete	Apr-20
Rank	Substation	Circuit	District	Customers	Outages	
38	Montrose	Russell Hill	00282-65	999	61	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	540.8	Trees Off ROW-Tree	77%	3Q 2019	
	SAIDI	2	Line Failure	9%	4Q 2019	
	SAIFI	1.82	Unknown	8%	1Q 2020	
	CAIDI	297	All Other	6%	2Q 2020	
	Customer Minutes	540,283				
	Customers Affected	1,821				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees				Complete	Dec-19
Rank	Substation	Circuit	District	Customers	Outages	
39	Erie	Union City Sub	00206-43	2,882	111	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	182.8	Trees Off ROW-Tree	49%	3Q 2019	
	SAIDI	2	Equipment Failure	16%	4Q 2019	
	SAIFI	1.98	Human Error -Non-Company	10%	1Q 2020	
	CAIDI	93	All Other	25%	2Q 2020	
	Customer Minutes	526,775				
	Customers Affected	5,693				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by non-company human error				Complete	Aug-19
	On cycle tree trimming				Complete	Oct-19
	Repair damage caused by trees during a storm				Complete	Jan-20
	Install new radio-controlled switch				To be Completed 2020	95%
Targeted circuit rehabilitation				To be Completed 2020	0%	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
40	Warren	North Warren	00596-41	1,125	56	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	467.8	Trees Off ROW-Tree	47%	3Q 2019	
	SAIDI	3	Equipment Failure	33%	2Q 2020	
	SAIFI	3.46	Line Failure	7%		
	CAIDI	135	All Other	13%		
	Customer Minutes	526,296				
	Customers Affected	3,897				
	<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
Rank	Substation	Circuit	District	Customers	Outages	
41	Montrose	Thompson	00446-65	842	47	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	623.3	Trees Off ROW-Tree	34%	3Q 2019	
	SAIDI	2	Equipment Failure	25%	4Q 2019	
	SAIFI	2.01	Ice	11%	1Q 2020	
	CAIDI	311	All Other	30%	2Q 2020	
	Customer Minutes	524,784				
	Customers Affected	1,690				
	<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				Complete	Dec-19
Repair damage caused by ice				Complete	Apr-20	
Rank	Substation	Circuit	District	Customers	Outages	
42	Dubois	Dubois Central	00119-23	1,309	53	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	393.0	Trees Off ROW-Tree	65%	2Q 2020	
	SAIDI	2	Equipment Failure	18%		
	SAIFI	1.79	Line Failure	6%		
	CAIDI	220	All Other	11%		
	Customer Minutes	514,383				
	Customers Affected	2,339				
	<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	
43	Dubois	Brookville	00125-23	616	29	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	823.1	Trees Off ROW-Tree	38%	3Q 2019	
	SAIDI	7	Line Failure	20%	4Q 2019	
	SAIFI	6.88	Unknown	15%	1Q 2020	
	CAIDI	120	All Other	27%	2Q 2020	
	Customer Minutes	507,021				
	Customers Affected	4,239				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Dec-19
	On cycle tree trimming				Complete	Nov-19
	Repair damage caused by vehicle accident				Complete	Jan-20
	Rank	Substation	Circuit	District	Customers	Outages
44	Erie	Green Garden	00539-31	1,064	11	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	471.8	Line Failure	92%	3Q 2019	
	SAIDI	2	Unknown	6%	4Q 2019	
	SAIFI	2.09	Animal	2%	1Q 2020	
	CAIDI	226	All Other	0%	2Q 2020	
	Customer Minutes	502,020				
	Customers Affected	2,223				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Jul-19
Rank	Substation	Circuit	District	Customers	Outages	
45	Erie	French Road	00222-31	1,446	21	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	343.2	Line Failure	42%	2Q 2020	
	SAIDI	3	Trees Off ROW-Limb	27%		
	SAIFI	2.73	Equipment Failure	18%		
	CAIDI	126	All Other	13%		
	Customer Minutes	496,206				
	Customers Affected	3,948				
	<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	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
46	Indiana	Edgewood	00089-13	866	18
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	560.4	Trees Off ROW-Tree	54%	3Q 2019
	SAIDI	3	Line Failure	24%	4Q 2019
	SAIFI	3.30	Vehicle	18%	1Q 2020
	CAIDI	170	All Other	4%	2Q 2020
	Customer Minutes	485,306			
	Customers Affected	2,858			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle			Complete	Jul-19
	Restored breaker operation of unknown cause			Complete	Dec-19
	Restored breaker operation of unknown cause			Complete	Apr-20
	Install advanced Dx protective devices			Complete	Jun-20
	Rank	Substation	Circuit	District	Customers
47	Clearfield	Shawville	00151-21	2,066	41
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	231.4	Unknown	48%	4Q 2019
	SAIDI	4	Forced Outage	21%	1Q 2020
	SAIFI	4.18	Line Failure	15%	2Q 2020
	CAIDI	55	All Other	15%	
	Customer Minutes	477,997			
	Customers Affected	8,636			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Jul-19
	Repair damage caused by trees during a storm			Complete	Jul-19
	Circuit inspection			Complete	Apr-20
	Install advanced Dx protective devices			Complete	Jun-20
	Targeted circuit rehabilitation			To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
48	Somerset	Meyersdale North	00004-12	582	21
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	817.0	Trees Off ROW-Tree	83%	2Q 2020
	SAIDI	3	Line Failure	11%	
	SAIFI	2.83	Unknown	3%	
	CAIDI	289	All Other	3%	
	Customer Minutes	475,491			
	Customers Affected	1,648			
	<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	
49	Towanda	Waverly	00164-66	960	26	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	491.9	Trees Off ROW-Tree	54%	1Q 2020	
	SAIDI	3	Equipment Failure	38%	2Q 2020	
	SAIFI	2.54	Unknown	4%		
	CAIDI	194	All Other	4%		
	Customer Minutes	472,181				
	Customers Affected	2,436				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair equipment failure				Complete	Mar-20
	Repair damage caused by trees during a storm				Complete	Apr-20
	Rank	Substation	Circuit	District	Customers	Outages
50	Montrose	Tunkhannock	00533-65	1,200	41	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	390.8	Trees Off ROW-Tree	67%	2Q 2020	
	SAIDI	2	Lightning	10%		
	SAIFI	1.76	Unknown	9%		
	CAIDI	222	All Other	14%		
	Customer Minutes	468,976				
	Customers Affected	2,108				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning				Complete	Aug-19
	Repair line failure				Complete	Aug-19
	Repair damage caused by trees during a storm				Complete	Apr-20
	Rank	Substation	Circuit	District	Customers	Outages
51	Indiana	East Pike	00094-13	322	5	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1452.3	Line Failure	96%	3Q 2019	
	SAIDI	8	Forced Outage	3%	4Q 2019	
	SAIFI	7.67	Unknown	1%	1Q 2020	
	CAIDI	189	All Other	0%	2Q 2020	
	Customer Minutes	467,627				
	Customers Affected	2,471				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Sep-19

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
52	Montrose	Lake Como	00786-65	392	18
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1176.2	Line Failure	52%	3Q 2019
	SAIDI	2	Trees Off ROW-Tree	41%	4Q 2019
	SAIFI	2.39	Ice	3%	1Q 2020
	CAIDI	492	All Other	4%	2Q 2020
	Customer Minutes	461,074			
	Customers Affected	938			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Circuit inspection			Complete	Mar-20
Rank	Substation	Circuit	District	Customers	Outages
53	Bradford	Port Allegany Sub	00151-42	480	34
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	950.4	Trees Off ROW-Tree	69%	3Q 2019
	SAIDI	2	Lightning	15%	4Q 2019
	SAIFI	1.78	Equipment Failure	14%	1Q 2020
	CAIDI	533	All Other	2%	2Q 2020
	Customer Minutes	456,188			
	Customers Affected	856			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair damage caused by trees			Complete	Aug-19
	Install advanced Dx protective devices			To be Completed 2020	0%
	On cycle tree trimming			To be Completed 2020	94%
Rank	Substation	Circuit	District	Customers	Outages
54	Mansfield Pa	Sabinsville Trans	00567-63	145	20
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3094.6	Equipment Failure	81%	2Q 2020
	SAIDI	6	Forced Outage	17%	
	SAIFI	5.53	Unknown	2%	
	CAIDI	559	All Other	0%	
	Customer Minutes	448,711			
	Customers Affected	802			
	<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
55	Oil City	Utica Junction	00318-51	825	60
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	540.3	Trees Off ROW-Tree	42%	3Q 2019
	SAIDI	2	Trees Off ROW-Limb	32%	4Q 2019
	SAIFI	1.78	Animal	11%	1Q 2020
	CAIDI	304	All Other	15%	2Q 2020
	Customer Minutes	445,777			
	Customers Affected	1,468			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jul-19
	Repair damage caused by animal contact			Complete	Oct-19
	Install advanced Dx protective devices			Complete	May-20
	Circuit inspection			To be Completed 2020	0%
	On cycle tree trimming			To be Completed 2020	72%
Rank	Substation	Circuit	District	Customers	Outages
56	Philipsburg	Birmingham	00168-22	1,080	43
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	408.5	Forced Outage	60%	3Q 2019
	SAIDI	2	Trees Off ROW-Tree	15%	4Q 2019
	SAIFI	1.59	Equipment Failure	10%	1Q 2020
	CAIDI	257	All Other	15%	2Q 2020
	Customer Minutes	441,180			
	Customers Affected	1,714			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install advanced Dx protective devices			To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
57	Philipsburg	Tyrone North Sub	00643-22	1,478	5
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	296.7	Line Failure	66%	3Q 2019
	SAIDI	2	Trees Off ROW-Tree	32%	4Q 2019
	SAIFI	1.75	Lightning	1%	1Q 2020
	CAIDI	170	All Other	1%	2Q 2020
	Customer Minutes	438,454			
	Customers Affected	2,586			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Aug-19
Circuit inspection			Complete	Sep-19	
Repair line failure			Complete	Nov-19	

Penelec						
Rank	Substation	Circuit	District	Customers	Outages	
58	Dubois	Dubois	00131-23	580	23	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	755.3	Trees Off ROW-Tree	70%	3Q 2019	
	SAIDI	2	Forced Outage	19%	1Q 2020	
	SAIFI	2.21	Overload	5%	2Q 2020	
	CAIDI	341	All Other	6%		
	Customer Minutes	438,075				
	Customers Affected	1,284				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair damage caused by trees during a storm				Complete	Jan-20
Rank	Substation	Circuit	District	Customers	Outages	
59	Erie	Erie East	00234-31	1,018	46	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	421.3	Object Contact With Line	64%	3Q 2019	
	SAIDI	2	Trees Off ROW-Tree	9%	1Q 2020	
	SAIFI	2.45	Vehicle	7%	2Q 2020	
	CAIDI	172	All Other	20%		
	Customer Minutes	428,843				
	Customers Affected	2,499				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage cause by object in contact with line				Complete	Sep-19
	Rank	Substation	Circuit	District	Customers	Outages
60	Towanda	East Towanda	00525-62	446	27	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	934.0	Trees Off ROW-Tree	65%	2Q 2020	
	SAIDI	8	Unknown	11%		
	SAIFI	7.97	Human Error -Non-Company	9%		
	CAIDI	117	All Other	15%		
	Customer Minutes	416,557				
	Customers Affected	3,554				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair damage caused by trees during a storm				Complete	Oct-19
Repair damage caused by non-company human error				Complete	Mar-20	

Penelec					
Rank	Substation	Circuit	District	Customers	Outages
61	Johnstown	Salix	00070-11	2,307	41
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	178.8	Trees Off ROW-Tree	40%	3Q 2019
	SAIDI	2	Lightning	32%	4Q 2019
	SAIFI	2.23	Line Failure	12%	2Q 2020
	CAIDI	80	All Other	16%	
	Customer Minutes	412,442			
	Customers Affected	5,143			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning			Complete	Jul-19
	Repair damage caused by trees			Complete	Apr-20
Rank	Substation	Circuit	District	Customers	Outages
62	Warren	Warren South	00219-41	319	25
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1206.7	Trees Off ROW-Tree	64%	4Q 2019
	SAIDI	4	Equipment Failure	24%	1Q 2020
	SAIFI	4.21	Unknown	4%	2Q 2020
	CAIDI	286	All Other	8%	
	Customer Minutes	384,922			
	Customers Affected	1,344			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Dec-19
	Install advanced Dx protective devices			To be Completed 2020	0%

<b>Penelec</b>					
<b>Unranked circuits appearing 2 or more quarters in the last 4 quarters</b>					
<b>Substation</b>	<b>Circuit</b>	<b>3Q 2019</b>	<b>4Q 2019</b>	<b>1Q 2020</b>	<b>2Q 2020</b>
Blairsville East	00082-13	X	X		
Boyer	00584-31	X	X		
Cambria County Priso	00202-72	X	X	X	
Carlisle Pike	00643-83	X	X	X	
Dushore	00669-62	X	X	X	
Falls	00297-65		X	X	
Hilltop	00048-11	X	X		
L And R	00120-81	X	X	X	
Madera	00165-22	X	X	X	
McConnellstown	00099-82	X	X		
Milroy	00128-81	X	X	X	
Monroeton	00770-62	X	X	X	
Nanty Glo	00066-72	X		X	
New Albany Sw Stati	00526-62	X	X	X	
Revloc	00069-72	X	X	X	
Rolling Meadows	00310-31	X	X	X	
Shelocta	00102-13	X	X		
Thompson	00442-65		X	X	
Timblin	00103-23	X	X	X	
Viscose Hill	00116-81		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>
Milroy	00128-81	Install advanced Dx protective devices	To be Completed 2020	0%
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	To be Completed 2020	0%
Revloc	00069-72	On cycle tree trimming	To be Completed 2020	88%
Madera	00165-22	On cycle tree trimming	Complete	May-20
Industrial	00170-81	Install advanced Dx protective devices	Complete	May-20
Nanty Glo	00066-72	Circuit inspection	Complete	May-20
New Albany SW Station	00526-62	Circuit inspection	Complete	May-20
New Albany SW Station	00526-62	On cycle tree trimming	To be Completed 2020	9%
Falls	00297-65	On cycle tree trimming	Complete	May-20
Timblin	00103-23	Install advanced Dx protective devices	To be Completed 2020	0%
Blairsville East	00082-13	Install advanced Dx protective devices	Complete	Jun-20
Blairsville East	00082-13	On cycle tree trimming	To be Completed 2020	85%
McConnellstown	00099-82	Circuit inspection	Complete	Apr-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	1023	58	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.6	Trees Off ROW-Tree	73%	2Q 2020	
	SAIDI	745	Lightning	19%		
	SAIFI	1.41	Equipment Failure	3%		
	CAIDI	528	All Other	5%		
	Customer Minutes	762,399				
	Customers Affected	1,444				
	<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	Camp Reynolds	W-134	Clark	1736	72	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.4	Trees Off ROW-Tree	67%	3Q 2019	
	SAIDI	413	Unknown	18%	4Q 2019	
	SAIFI	2.37	Equipment Failure	7%	1Q 2020	
	CAIDI	175	All Other	8%	2Q 2020	
	Customer Minutes	717,271				
	Customers Affected	4,110				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by tree.				Complete	Jul-19
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair damage caused by trees during a storm				Complete	Aug-19
Replace pole				Complete	Aug-19	
Restore breaker operation of unknown cause				Complete	Oct-19	
Repair damage caused by trees during a storm				Complete	Jan-20	
Rank	Substation	Circuit	District	Customers	Outages	
3	BMF	W760	Zelienople	2659	21	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.0	Trees Off ROW-Tree	95%	1Q 2020	
	SAIDI	246	Line Failure	3%	2Q 2020	
	SAIFI	1.54	Animal	2%		
	CAIDI	159	All Other	0%		
	Customer Minutes	654,348				
	Customers Affected	4,108				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Jun-19
	Repair damage caused by trees during a storm				Complete	Mar-20
	Repair damage caused by trees during a storm				Complete	Jun-20

Penn Power					
Rank					
4	Grant Street	W421	New Castle	935	9
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.5	Trees Off ROW-Tree	73%	2Q 2020
	SAIDI	615	Vehicle	16%	
	SAIFI	2.18	Unknown	10%	
	CAIDI	282	All Other	1%	
	Customer Minutes	574,990			
	Customers Affected	2,036			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restore cutout fuses blown by unknown cause			Complete	Jul-19
	Replace pole			Complete	Mar-20
	Repair damage caused by trees during a storm			Complete	Jun-20
Rank	Substation	Circuit	District	Customers	Outages
5	Darlington	D-536	Zelienople	1065	46
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.3	Trees Off ROW-Tree	62%	2Q 2020
	SAIDI	509	Lightning	30%	
	SAIFI	1.25	Line Failure	2%	
	CAIDI	409	All Other	6%	
	Customer Minutes	541,786			
	Customers Affected	1,326			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jul-19
	Repair damage caused by trees during a storm			Complete	Apr-20
	Rank	Substation	Circuit	District	Customers
6	Seneca	W700	Zelienople	1044	59
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.0	Trees Off ROW-Tree	90%	2Q 2020
	SAIDI	480	Line Failure	4%	
	SAIFI	2.85	Lightning	2%	
	CAIDI	169	All Other	4%	
	Customer Minutes	501,240			
	Customers Affected	2,974			
	<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

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
7	Henderson	W-281	Clark	697	29	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.0	Trees Off ROW-Tree	56%	3Q 2019	
	SAIDI	704	Lightning	32%	4Q 2019	
	SAIFI	1.56	Animal	6%	1Q 2020	
	CAIDI	453	All Other	6%	2Q 2020	
	Customer Minutes	490,799				
	Customers Affected	1,084				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Jul-19
	Repair damage caused by lightning				Complete	Jul-19
Rank	Substation	Circuit	District	Customers	Outages	
8	Knox	D509	Zelienople	980	21	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.8	Trees Off ROW-Tree	92%	2Q 2020	
	SAIDI	471	Equipment Failure	2%		
	SAIFI	1.55	Vehicle	2%		
	CAIDI	304	All Other	4%		
	Customer Minutes	461,554				
	Customers Affected	1,516				
	<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
Rank	Substation	Circuit	District	Customers	Outages	
9	Ingomar	W630	Zelienople	1737	11	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.7	Trees Off ROW-Tree	74%	2Q 2020	
	SAIDI	255	Forced Outage	24%		
	SAIFI	1.25	Line Failure	1%		
	CAIDI	204	All Other	1%		
	Customer Minutes	442,520				
	Customers Affected	2,164				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Pole was replaced and equipment repaired				Complete	Aug-19
	Repair damage caused by trees during a storm				Complete	Jun-20

<b>Penn Power</b>					
<b>Unranked circuits appearing 2 or more quarters in the last 4 quarters</b>					
<b>Substation</b>	<b>Circuit</b>	<b>3Q 2019</b>	<b>4Q 2019</b>	<b>1Q 2019</b>	<b>2Q 2019</b>
Bedford	D-445	X	X	X	
Evans City	D-611	X	X		
Perry	W-156	X	X		
Stoneboro	W-131	X	X	X	
Stoneboro	W-132	X	X	X	
Thompson Run	D550	X	X	X	
West Middlesex	W-138		X	X	

<b>Penn Power</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned</b>	<b>Status of Remedial Work</b>	<b>Progress of Remedial Work</b>
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	2,252	22
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.9	Line Failure	97%	Q2 2020
	SAIDI	942	Equipment Failure	2%	
	SAIFI	1.71	Trees Off ROW	1%	
	CAIDI	552	All Other	0%	
	Customer Minutes	2,121,152			
	Customers Affected	3,846			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure during a storm			Complete	20-Apr
	Repair line failure during a storm			Complete	20-Apr
	On cycle tree trimming			Complete	20-Jun
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
2	Piney Fork	Cochran Mill	Charleroi	1,192	8
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.5	Line Failure	98%	Q4 2019
	SAIDI	1491	Equipment Failure	1%	Q1 2020
	SAIFI	2.31	Animal	1%	Q2 2020
	CAIDI	646	All Other	0%	
	Customer Minutes	1,777,216			
	Customers Affected	2,750			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	19-Oct
	Repair line failure			Complete	19-Oct
	Repair damage caused by an animal			Complete	20-Jun
	Overhead circuit inspection			To Be Completed 2020	4%
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
3	Smithton	Fitzhenry	Charleroi	1,151	25
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.4	Trees Off ROW	91%	Q2 2020
	SAIDI	1474	Unknown	6%	
	SAIFI	3.14	Equipment Failure	1%	
	CAIDI	469	All Other	2%	
	Customer Minutes	1,696,527			
	Customers Affected	3,616			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	19-Nov
	Repair damage caused by a tree during a storm			Complete	20-Apr
	Repair equipment failure during a storm			Complete	20-Apr

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
4	Lovedale	Township	Charleroi	1622	41
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2	Unknown	36%	Q1 2020
	SAIDI	868	Trees Off ROW	22%	Q2 2020
	SAIFI	3.16	Object Contact with Line	21%	
	CAIDI	275	All Other	21%	
	Customer Minutes	1,408,110			
	Customers Affected	5,126			
	Remedial Action Planned or Taken			Status	Progress
	Restore unknown outage during a storm			Complete	20-Jan
	Repair damage caused by a tree during a storm			Complete	20-Mar
	Repair damage caused by a tree during a storm			Complete	20-Apr
	Restore unknown outage during a storm			Complete	20-Apr
	Overhead circuit inspection			To Be Completed 2020	10%
	Rank	Substation	Circuit	District	Customers
5	Westraver	Pittsburgh Coal	Charleroi	1,845	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.9	Trees Off ROW	81%	Q3 2019
	SAIDI	753	Line Failure	13%	Q4 2019
	SAIFI	4.86	Vehicle	4%	Q1 2020
	CAIDI	155	All Other	2%	Q2 2020
	Customer Minutes	1,389,873			
	Customers Affected	8,961			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	19-Jul
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair damage caused by a tree during a storm			Complete	19-Oct
	Overhead circuit inspection			Complete	19-Nov
	Repair damage caused by a vehicle			Complete	19-Dec
	Repair damage caused by a tree during a storm			Complete	20-Mar
Repair damage caused by a tree during a storm			Complete	20-Apr	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
6	Piney Fork	Stoltz	Charleroi	2253	20
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.6	Trees Off ROW	77%	Q3 2019
	SAIDI	527	Bird	18%	Q4 2019
	SAIFI	2.45	Line Failure	3%	Q1 2020
	CAIDI	215	All Other	2%	Q2 2020
	Customer Minutes	1,188,282			
	Customers Affected	5,520			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	19-Aug
	Repair damage caused by a tree during a storm			Complete	19-Sep
	Repair damage caused by a bird			Complete	19-Oct
	Repair damage caused by a tree			Complete	19-Oct
	Repair line failure			Complete	20-Jun
Rank	Substation	Circuit	District	Customers	Outages
7	Dutch Fork	Claysville	Washington Pa	1585	70
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.6	Trees Off ROW	57%	Q3 2019
	SAIDI	740	Vehicle	19%	Q4 2019
	SAIFI	2.63	Line Failure	15%	Q1 2020
	CAIDI	281	All Other	9%	Q2 2020
	Customer Minutes	1,172,572			
	Customers Affected	4,172			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair damage caused by a vehicle during a storm			Complete	19-Jul
	Forced outage to repair damage			Complete	19-Oct
	Repair line failure during a storm			Complete	19-Nov
	Repair damage caused by a tree during a storm			Complete	20-Jan
Repair damage caused by a tree			Complete	20-Jun	
Zone 1 Infrared Inspection			To Be Completed 2020	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
8	St. Clair	Mclaughlin	Boyce	648	30
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.6	Trees Off ROW	96%	Q4 2019
	SAIDI	1797	Unknown	2%	Q1 2020
	SAIFI	6.57	Line Failure	1%	Q2 2020
	CAIDI	273	All Other	1%	
	Customer Minutes	1,164,711			
	Customers Affected	4,259			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	19-Dec
	Repair line failure			Complete	20-Jan
	Repair damage caused by a tree			Complete	20-May
Rank	Substation	Circuit	District	Customers	Outages
9	Charleroi	Speers	Charleroi	1,423	54
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	88%	Q2 2020
	SAIDI	778	Trees On ROW	3%	
	SAIFI	1.91	Equipment Failure	3%	
	CAIDI	407	All Other	6%	
	Customer Minutes	1,107,091			
	Customers Affected	2,723			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	20-Jun
	Repair damage caused by a tree during a storm			Complete	20-Jun
	Rank	Substation	Circuit	District	Customers
10	Buckeye No.3	Paisley	Jefferson	667	16
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	94%	Q4 2019
	SAIDI	1628	Equipment Failure	5%	Q2 2020
	SAIFI	2.04	Line Failure	1%	
	CAIDI	797	All Other	0%	
	Customer Minutes	1,085,609			
	Customers Affected	1,362			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	19-Nov
	On cycle tree trimming			Complete	20-Feb
	Repair damage caused by a tree during a storm			Complete	20-Jun

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
11	Rutan	Bristoria	Jefferson	1,143	90
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	73%	Q3 2019
	SAIDI	944	Line Failure	14%	Q4 2019
	SAIFI	2.54	Unknown	7%	Q1 2020
	CAIDI	372	All Other	6%	Q2 2020
	Customer Minutes	1,078,554			
	Customers Affected	2,900			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Restore unknown outage			Complete	19-Aug
	Forestry off cycle "J work"			Complete	19-Sep
	Repair line failure			Complete	19-Nov
	Repair damage caused by a tree			Complete	20-Jan
Repair line failure			Complete	20-May	
Rank	Substation	Circuit	District	Customers	Outages
12	Franklin	Rogersville	Jefferson	811	63
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	49%	Q3 2019
	SAIDI	1329	Line Failure	41%	Q4 2019
	SAIFI	3.83	Forced Outage	6%	Q1 2020
	CAIDI	347	All Other	4%	Q2 2020
	Customer Minutes	1,077,888			
	Customers Affected	3,109			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure during a storm			Complete	19-Jul
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair line failure			Complete	19-Dec
	Repair damage caused by a tree			Complete	19-Dec
	Repair damage caused by a tree during a storm			Complete	20-Mar
Repair damage caused by a tree during a storm			Complete	20-Apr	
Zone 1 Infrared Inspection			To Be Completed 2020	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
13	Whiteley	Mt. Morris	Jefferson	1061	48
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.4	Trees Off ROW	56%	Q3 2019
	SAIDI	969	Equipment Failure	35%	Q4 2019
	SAIFI	2.38	Line Failure	5%	Q1 2020
	CAIDI	407	All Other	4%	Q2 2020
	Customer Minutes	1,027,977			
	Customers Affected	2,525			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair equipment failure			Complete	19-Sep
	Repair damage caused by a tree during a storm			Complete	19-Oct
	Repair damage caused by a tree			Complete	20-Mar
	Repair damage caused by a tree during a storm			Complete	20-Apr
Overhead circuit inspection			To be Completed 2020	29%	
Rank	Substation	Circuit	District	Customers	Outages
14	Smithton	Smithton	Charleroi	989	25
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.4	Trees Off ROW	85%	Q2 2020
	SAIDI	1029	Line Failure	13%	
	SAIFI	2.03	Unknown	1%	
	CAIDI	507	All Other	1%	
	Customer Minutes	1,017,308			
	Customers Affected	2,006			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	20-Apr
Repair line failure			Complete	20-Jun	
Rank	Substation	Circuit	District	Customers	Outages
15	Amity	Banetown	Washington Pa	1,472	51
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.3	Trees Off ROW	85%	Q2 2020
	SAIDI	642	Trees On ROW	8%	
	SAIFI	1.53	Line Failure	3%	
	CAIDI	419	All Other	4%	
	Customer Minutes	945,694			
	Customers Affected	2,259			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree			Complete	20-Apr
Repair damage caused by a tree			Complete	20-May	
Overhead circuit inspection			To Be Completed 2020	89%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
16	Butler	Center Ave	Butler	1638	34
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.3	Trees Off ROW	52%	Q1 2020
	SAIDI	562	Vehicle	43%	Q2 2020
	SAIFI	2.62	Line Failure	3%	
	CAIDI	215	All Other	2%	
	Customer Minutes	919,912			
	Customers Affected	4,286			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	19-Dec
	Repair damage caused by a tree during a storm			Complete	20-Jan
	Repair damage caused by a tree during a storm			Complete	20-Jun
Rank	Substation	Circuit	District	Customers	Outages
17	Saltsburg	Saltsburg	Arnold	1,389	55
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.2	Trees Off ROW	81%	Q3 2019
	SAIDI	644	Unknown	5%	Q2 2020
	SAIFI	2.04	Wind	4%	
	CAIDI	316	All Other	10%	
	Customer Minutes	895,061			
	Customers Affected	2,834			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair line failure during a storm			Complete	19-Jul
	Restore unknown outage			Complete	19-Jul
Repair damage caused by a tree during a storm			Complete	20-Apr	
Overhead circuit inspection			Complete	20-Jun	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
18	Bethlen	Laurel Valley	Latrobe	1,304	75
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	21%	Q3 2019
	SAIDI	677	Equipment Failure	19%	Q4 2019
	SAIFI	4.33	Trees on ROW	16%	Q1 2020
	CAIDI	156	All Other	44%	Q2 2020
	Customer Minutes	882,511			
	Customers Affected	5,640			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair equipment failure			Complete	19-Aug
	Forced outage to repair damage during a storm			Complete	19-Sep
	Repair damage caused by a tree during a storm			Complete	19-Oct
	Repair damage caused by a tree during a storm			Complete	20-Mar
	Repair damage caused by wind during a storm			Complete	20-Apr
Zone 1 Infrared Inspection			To Be Completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages
19	Purcell	Artemas	Hyndman	597	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	77%	Q4 2019
	SAIDI	1472	Forced Outage	19%	Q1 2020
	SAIFI	3.17	Line Failure	1%	Q2 2020
	CAIDI	465	All Other	3%	
	Customer Minutes	878,580			
	Customers Affected	1,890			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Forced outage to repair damage			Complete	19-Dec
	Repair damage caused by a tree during a storm			Complete	19-Dec
	On cycle tree trimming			Complete	19-Dec
	Repair damage caused by a tree during a storm			Complete	20-Mar
	Repair damage caused by a tree during a storm			Complete	20-Apr

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
20	North Washington	Poke Run	Arnold	1229	64
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.2	Trees Off ROW	88%	Q3 2019
	SAIDI	708	Unknown	7%	Q4 2019
	SAIFI	2.29	Trees on ROW	2%	Q1 2020
	CAIDI	309	All Other	3%	Q2 2020
	Customer Minutes	869,823			
	Customers Affected	2,817			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair line failure			Complete	19-Aug
	Repair damage caused by a tree			Complete	19-Sep
	Repair damage caused by a tree during a storm			Complete	19-Oct
	Repair damage caused by a tree during a storm			Complete	20-Mar
Repair damage caused by a tree during a storm			Complete	20-Apr	
Rank	Substation	Circuit	District	Customers	Outages
21	Smith	Florence	Washington Pa	806	54
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.2	Trees on ROW	64%	Q3 2019
	SAIDI	1045	Forced Outage	15%	Q4 2019
	SAIFI	7.11	Line Failure	11%	Q1 2020
	CAIDI	147	All Other	10%	Q2 2020
	Customer Minutes	842,580			
	Customers Affected	5,732			
	Remedial Action Planned or Taken			Status	Progress
	Forced outage to repair damage			Complete	19-Jul
	Repair line failure during a storm			Complete	19-Jul
	Repair line failure during a storm			Complete	19-Nov
	Repair damage caused by a tree during a storm			Complete	20-Mar
	Repair damage caused by a tree			Complete	20-Jun
Enhanced WPC remediation			To Be Completed 2020	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
22	Finleyville	Finleyville	Charleroi	1,302	33
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.2	Trees Off ROW	58%	Q4 2019
	SAIDI	639	Line Failure	33%	Q1 2020
	SAIFI	2.93	Equipment Failure	3%	Q2 2020
	CAIDI	218	All Other	6%	
	Customer Minutes	832,285			
	Customers Affected	3,821			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	19-Nov
	Repair damage caused by a tree during a storm			Complete	20-Jan
	Repair line failure during a storm			Complete	20-Apr
Rank	Substation	Circuit	District	Customers	Outages
23	Marvindale	Clermont	St Marys	851	16
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees Off ROW	45%	Q2 2020
	SAIDI	954	Animal	28%	
	SAIFI	4.22	Forced Outage	10%	
	CAIDI	226	All Other	17%	
	Customer Minutes	811,735			
	Customers Affected	3,593			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			Complete	19-Nov
	Forced outage to repair damage during a storm			Complete	20-Jun
	Repair damage caused by a tree during a storm			Complete	20-Jun
Rank	Substation	Circuit	District	Customers	Outages
24	Pittsburgh Mills	Tawny Run	Arnold	845	30
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.1	Trees Off ROW	75%	Q2 2020
	SAIDI	927	Trees on ROW	17%	
	SAIFI	3.53	Unknown	4%	
	CAIDI	263	All Other	4%	
	Customer Minutes	783,142			
	Customers Affected	2,982			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	20-Apr
	Overhead circuit inspection			Complete	20-Apr
	Restore unknown outage			Complete	20-Jun

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
25	Enlow	Summit	Boyce	1,806	8
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees Off ROW	68%	Q2 2020
	SAIDI	413	Unknown	32%	
	SAIFI	3.01	All Other	0%	
	CAIDI	137			
	Customer Minutes	745,297			
	Customers Affected	5,439			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	20-Jun
	Restore unknown outage during a storm			Complete	20-Jun
	Rank	Substation	Circuit	District	Customers
26	Murrycrest	Sardis Road	Jeannette	1,409	35
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees Off ROW	79%	Q2 2020
	SAIDI	520	Animal	13%	
	SAIFI	6.38	Lightning	3%	
	CAIDI	81	All Other	5%	
	Customer Minutes	732,237			
	Customers Affected	8,991			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	20-Apr
	Repair damage caused by an animal			Complete	20-May
	Rank	Substation	Circuit	District	Customers
27	Kiski Valley	Kittanning Rd	Arnold	1,786	32
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees on ROW	64%	Q3 2019
	SAIDI	400	Line Failure	27%	Q4 2019
	SAIFI	2.67	Equipment Failure	3%	Q1 2020
	CAIDI	150	All Other	6%	Q2 2020
	Customer Minutes	714,052			
	Customers Affected	4,760			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair line failure			Complete	19-Sep
	Repair damage caused by a tree			Complete	19-Oct
Repair damage caused by a tree during a storm			Complete	20-Mar	
Repair damage caused by a tree during a storm			Complete	20-Jun	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
28	St. Clair	Skyridge	Boyce	899	19
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees Off ROW	93%	Q3 2019
	SAIDI	789	Line Failure	3%	Q4 2019
	SAIFI	4.38	Equipment Failure	2%	Q1 2020
	CAIDI	180	All Other	2%	Q2 2020
	Customer Minutes	708,886			
	Customers Affected	3,939			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair damage caused by a tree during a storm			Complete	19-Sep
	Repair damage caused by a tree during a storm			Complete	19-Oct
	Repair equipment failure			Complete	20-Jun
	On cycle tree trimming			To be Completed 2020	95%
Rank	Substation	Circuit	District	Customers	Outages
29	Murrycrest	Christy Road	Jeannette	1,033	45
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1	Trees Off ROW	61%	Q4 2019
	SAIDI	677	Wind	33%	Q1 2020
	SAIFI	2.03	Equipment Failure	3%	Q2 2020
	CAIDI	334	All Other	3%	
	Customer Minutes	699,025			
	Customers Affected	2,092			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	19-Oct
	Repair damage caused by wind during a storm			Complete	19-Oct
	Repair damage caused by a tree during a storm			Complete	20-Mar
	Repair damage caused by a tree during a storm			Complete	20-Apr

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
30	Waterville	Waterville	State College	354	24	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	1	Trees Off ROW	64%	Q3 2019	
	SAIDI	1965	Other Electric Utility	34%	Q4 2019	
	SAIFI	6.59	Animal	1%	Q1 2020	
	CAIDI	298	All Other	1%	Q2 2020	
	Customer Minutes	6,956,767				
	Customers Affected	2,333				
	Remedial Action Planned or Taken			Status	Progress	
	Restore outage caused by other electric utility			Complete	19-Aug	
	Repair damage caused by a tree during a storm			Complete	19-Dec	
	Repair damage caused by a tree during a storm			Complete	20-Feb	
	Restore outage caused by other electric utility			Complete	20-Jun	
	On cycle tree trimming			To Be Completed 2020	63%	
Rank	Substation	Circuit	District	Customers	Outages	
31	Driftwood	Driftwood	St Marys	989	36	
	Reliability		Outage by Cause		Previously Ranked	
	SAIDI Impact	0.9	Trees Off ROW	77%	Q2 2020	
	SAIDI	688	Trees on ROW	14%		
	SAIFI	2.46	Unknown	5%		
	CAIDI	280	All Other	4%		
	Customer Minutes	680,818				
	Customers Affected	2,435				
	Remedial Action Planned or Taken			Status	Progress	
	Repair damage caused by a tree during a storm			Complete	20-Apr	
	Repair damage caused by a tree during a storm			Complete	20-Apr	
	Overhead circuit inspection			Complete	20-Apr	
	Rank	Substation	Circuit	District	Customers	Outages
	32	Hilliards	Hilliards	Butler	892	27
Reliability		Outage by Cause		Previously Ranked		
SAIDI Impact		0.9	Trees Off ROW	97%	Q1 2020	
SAIDI		757	Unknown	2%	Q2 2020	
SAIFI		2.5	All Other	1%		
CAIDI		303				
Customer Minutes		675,567				
Customers Affected		2,232				
Remedial Action Planned or Taken			Status	Progress		
Repair damage caused by a tree during a storm			Complete	20-Jan		
Repair damage caused by a tree during a storm			Complete	20-Mar		
Repair damage caused by a tree during a storm			Complete	20-May		

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
33	Large	Large	Charleroi	548	17
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.9	Equipment Failure	68%	Q2 2020
	SAIDI	1199	Trees Off ROW	23%	
	SAIFI	2.13	Trees on ROW	2%	
	CAIDI	563	All Other	7%	
	Customer Minutes	657,005			
	Customers Affected	1,168			
	Remedial Action Planned or Taken			Status	Progress
	Repair equipment failure during a storm			Complete	20-Apr
	Repair damage caused by a tree during a storm			Complete	20-Apr
	Rank	Substation	Circuit	District	Customers
34	Bethel Park	Clifton	Boyce	937	14
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.9	Trees on ROW	55%	Q3 2019
	SAIDI	694	Unknown	24%	Q4 2019
	SAIFI	5.2	Trees on ROW	12%	Q1 2020
	CAIDI	133	All Other	9%	Q2 2020
	Customer Minutes	649,962			
	Customers Affected	4,872			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure			Complete	19-Aug
	Repair damage caused by a tree during a storm			Complete	19-Sep
	On cycle tree trimming			Complete	19-Oct
	Repair damage caused by a tree			Complete	19-Oct
	Restore unknown outage			Complete	19-Nov
Overhead circuit inspection			Complete	20-Jan	
Repair damage caused by a tree			Complete	20-May	
Rank	Substation	Circuit	District	Customers	Outages
35	White Valley	Cloverleaf	Jeannette	2,139	23
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.9	Trees on ROW	97%	Q2 2020
	SAIDI	302	Line Failure	1%	
	SAIFI	1.55	All Other	2%	
	CAIDI	195			
	Customer Minutes	646,625			
	Customers Affected	3,310			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	20-Apr
Repair line failure			Complete	20-Apr	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
36	Shaffers Corner	Stewart School	Arnold	1,995	21
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.9	Vehicle	54%	Q2 2020
	SAIDI	323	Trees on ROW	35%	
	SAIFI	3.33	Trees-Sec/Service	4%	
	CAIDI	97	All Other	7%	
	Customer Minutes	644,760			
	Customers Affected	6,643			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	20-Apr
	Overhead circuit inspection			Complete	20-Apr
	Repair damage caused by a vehicle			Complete	20-Jun
	Rank	Substation	Circuit	District	Customers
37	Blue Ridge Summit	Sabillasville	Waynesboro	962	36
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.9	Trees Off ROW	60%	Q4 2019
	SAIDI	668	Line Failure	20%	Q1 2020
	SAIFI	2.99	Forced Outage	8%	Q2 2020
	CAIDI	224	All Other	12%	
	Customer Minutes	642,866			
	Customers Affected	2,874			
	Remedial Action Planned or Taken			Status	Progress
	Repair line failure during a storm			Complete	19-Nov
	Repair damage caused by a tree during a storm			Complete	19-Dec
	Repair damage caused by a tree during a storm			Complete	20-Feb
	Repair damage caused by a tree			Complete	20-May
Rank	Substation	Circuit	District	Customers	Outages
38	Bentleyville	Bentleyville	Charleroi	1085	18
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	0.9	Trees Off ROW	63%	Q2 2020
	SAIDI	592	Vehicle	15%	
	SAIFI	1.82	Unknown	14%	
	CAIDI	324	All Other	8%	
	Customer Minutes	641,923			
	Customers Affected	1,980			
	Remedial Action Planned or Taken			Status	Progress
	Repair damage caused by a tree during a storm			Complete	20-Apr
Repair damage caused by a tree during a storm			Complete	20-Apr	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
39	Piney Fork	Knothole	Charleroi	1609	25
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Equipment Failure	40%	Q3 2019
	SAIDI	378	Trees Off ROW	28%	Q1 2020
	SAIFI	2.69	Line Failure	27%	Q2 2020
	CAIDI	140	All Other	5%	
	Customer Minutes	607,865			
	Customers Affected	4,330			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	19-Jul
	Repair line failure			Complete	19-Aug
	On cycle tree trimming			Complete	20-Feb
	Repair equipment failure			Complete	20-Mar
	Repair line failure			Complete	20-Apr
Rank	Substation	Circuit	District	Customers	Outages
40	Bethlen	Darlington	Latrobe	1244	69
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	53%	Q3 2019
	SAIDI	485	Wind	27%	Q4 2019
	SAIFI	2.09	Equipment Failure	8%	Q1 2020
	CAIDI	233	All Other	12%	Q2 2020
	Customer Minutes	603,848			
	Customers Affected	2,594			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure during a storm			Complete	19-Jul
	Repair damage caused by a tree during a storm			Complete	19-Jul
	Repair damage caused by a tree			Complete	19-Oct
	Repair damage caused by a tree			Complete	20-Jan
	Repair damage caused by wind during a storm			Complete	20-Apr

<b>West Penn</b>					
<b>Unranked circuits appearing 2 or more quarters in the last 4 quarters</b>					
<b>Substation</b>	<b>Circuit</b>	<b>3Q 2019</b>	<b>4Q 2019</b>	<b>1Q 2020</b>	<b>2Q 2020</b>
Amity	Amity	X	X		
Atherton	East Residential	X	X		
Avella	Penowa	X		X	
Avella	W Middletown	X	X	X	
Bedford Road	Rt 220 North	X	X		
Bethlen	Laughlintown		X	X	
California	Malden	X	X	X	
Cecil	Hendersonville	X		X	
Cecil	Muse		X	X	
Cooperstown	Twin Willows	X	X	X	
Flintstone	Chaneyville	X	X		
Fort Palmer	West Fairfield	X	X	X	
Houston	Weavertown	X	X		
Hyndman	Route 96 South		X	X	
Kane	Russell City	X	X		
Lagonda	Club Forty		X	X	
Mather	Jefferson	X	X		
North Fayette	Tyre		X	X	
Roundhill	Roundhill	X	X		
Shanor Manor	Oneida	X	X		
Smith	Burgettstown	X		X	
Smith	Francis Mine	X	X	X	
State College	West Residential	X		X	

<b>West Penn</b>				
<b>Unranked circuits with remedial actions scheduled to be or recently completed</b>				
<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned</b>	<b>Status of Remedial Work</b>	<b>Progress of Remedial Work</b>
Mather	Jefferson	Overhead circuit inspection	To Be Completed 2020	7%
Houston	Weavertown	Overhead circuit inspection	Complete	20-Jun
Roundhill	Roundhill	Zone 1 Infrared Inspection	Complete	20-Jun
Shanor Manor	Oneida	Zone 1 Infrared Inspection	Complete	20-Jun
Kane	Russell City	Zone 1 Infrared Inspection	Complete	20-Jun
Cooperstown	Twin Willows	Overhead circuit inspection	To Be Completed 2020	7%
Bethlen	Laughlintown	Overhead circuit inspection	To Be Completed 2020	33%
Lagonda	Club Forty	On cycle tree trimming	To Be Completed 2020	26%

*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>2nd 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	13	12,781	1,627
Excavated in Tolerance	21	172,333	74,433
Excavation Inconsistent with Ticket Scope	23	28,547	12,237
Excavation Prior to Lawful Start Date	3	5,602	5,602
Expired Ticket	11	34,191	26,266
Hand Digging	3	5,289	4,789
Marked Improperly	21	236,664	120,361
No Ticket	38	56,389	41,174
<b>Total</b>	<b>133</b>	<b>551,796</b>	<b>286,489</b>

<b>Penelec – Third Party Line Hit Incidents</b>			
<b>2nd 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	23	266	0
Excavated in Tolerance	44	54,954	37,791
Excavation Inconsistent with Ticket Scope	7	12,576	2,659
Excavation Prior to Lawful Start Date	7	9,859	5,390
Expired Ticket	4	2,384	2,246
Hand Digging	5	528	528
Marked Improperly	35	53,015	43,054
No Ticket	47	75,527	56,308
<b>Total</b>	<b>172</b>	<b>209,109</b>	<b>147,976</b>

<b>Penn Power – Third Party Line Hit Incidents</b>			
<b>2nd 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	2	1,989	2,110
Excavated in Tolerance	17	11,328	6,669
Excavation Inconsistent with Ticket Scope	3	10,113	3,429
Excavation Prior to Lawful Start Date	2	1,913	3,032
Expired Ticket	5	7,306	2,500
Hand Digging	0	0	0
Marked Improperly	9	22,470	17,978
No Ticket	28	26,793	15,071
<b>Total</b>	<b>66</b>	<b>81,912</b>	<b>50,789</b>

<b>West Penn – Third Party Line Hit Incidents</b>			
<b>2nd 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	29	38,110	19,330
Excavated in Tolerance	5	5,744	5,744
Excavation Inconsistent with Ticket Scope	5	6,010	212
Excavation Prior to Lawful Start Date	3	2,127	2,127
Expired Ticket	7	11,150	8,099
Hand Digging	9	7,443	7,311
Marked Improperly	30	144,021	107,497
No Ticket	52	140,187	50,787
<b>Total</b>	<b>140</b>	<b>354,792</b>	<b>201,107</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 2nd 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

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

Tanya McCloskey  
Office of Consumer Advocate  
555 Walnut Street – 5<sup>th</sup> Floor  
Harrisburg, PA 17101-1923  
tmccloskey@paoca.org

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

Charles Thomas, Corporate Counsel  
charles\_thomas@ccsenergy.com

Rich Geosits, Manager, Power Delivery  
Rich\_Geosits@ccsenergy.com

Dated: August 27, 2020



---

Teresa K. Harrold  
Attorney No. 207742  
FirstEnergy Service Company  
2800 Pottsville Pike  
P.O. Box 16001  
Reading, Pennsylvania 19612-6001  
(610) 921-6783  
tharrold@firstenergycorp.com

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