

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

May 1, 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 1<sup>st</sup> Quarter 2020 Reliability Report – Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company – Public Version**

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company (collectively, the “Companies”) is the Joint 1<sup>st</sup> Quarter 2020 Reliability Report – Public Version (“Joint Report”).

On December 22, 2004, the Companies filed an Application for Protective Order at Docket No. L-00030161. The Application was granted, allowing the Companies to file proprietary versions of the quarterly reliability reports. The Proprietary Version of this Joint Report is being filed under separate cover.

Please feel free to contact me if you have any questions or need additional information regarding this matter.

Sincerely,



Teresa K. Harrold

Enclosures

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



## Joint 2020 1<sup>st</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 1<sup>st</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)*

None of the Companies experienced a major event during the reporting period ending March 31, 2020.

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

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

*Reliability Index Values*

1Q 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	1.52	1.26	1.52	1.66	1.12	1.34	1.37	1.05	1.26	1.15
<b>CAIDI</b>	117	140	146	117	141	148	101	121	137	170	204	162
<b>SAIDI</b>	135	194	222	148	213	246	113	162	187	179	257	187
<b>MAIFI<sup>2</sup></b>			1.010			0.704			0.140			
<b>Customers Served<sup>3</sup></b>	565,485			579,154			164,300			717,776		
<b>Number of Sustained Interruptions</b>	12,280			13,624			3,453			13,006		
<b>Customers Affected</b>	861,052			963,847			224,636			828,839		
<b>Customer Minutes</b>	125,542,403			142,328,866			30,689,570			134,324,070		
<b>Number of Customer Momentary Interruptions</b>	95,993			65,346			0					

<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 1Q 2020:**

#### Penelec

- Beginning the evening of Saturday, January 11, 2020, a strong front moved through Pennsylvania, including the Penelec service territory. This front caused high wind gusts of approximately 60 miles per hour and heavy rains in the Penelec service territory impacting 14,816 customers. The reliability impact of the storm was 4.5 minutes of System Average Interruption Duration Index (“SAIDI”), 0.03 of System Average Interruption Frequency Index (“SAIFI”), and an overall storm Customer Average Interruption Duration Index (“CAIDI”) of 177.3 minutes.

#### West Penn

- Beginning the evening of Saturday, January 11, 2020, a strong front moved through Pennsylvania, including the West Penn service territory. This front caused high wind gusts of approximately 60 miles per hour and heavy rains in the West Penn service territory impacting 14,996 customers. The reliability impact of the storm was 4.1 minutes of SAIDI, 0.02 of SAIFI, and an overall storm CAIDI of 194.7 minutes.
- Beginning the morning of Sunday, March 29, 2020, a strong front moved through Pennsylvania, including the West Penn service territory. This front caused high wind gusts of approximately 68 miles per hour and heavy rains in the West Penn service territory impacting 18,524 customers. The reliability impact of the storm was 5.5 minutes of SAIDI, 0.03 of SAIFI, and an overall storm CAIDI of 213.3 minutes.

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

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

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

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

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

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

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

*Worst Performing Circuits – Remedial Actions*

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

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

### Outages by Cause

#### Outages by Cause – Met-Ed

Outage by Cause				
1st Quarter 2020 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Customer Minutes
Trees off ROW - tree	53,642,177	2,317	227,124	42.73%
Equipment failure	24,888,643	2,726	247,186	19.82%
Vehicle	10,740,529	318	55,323	8.56%
Unknown	5,901,073	1,314	50,852	4.70%
Trees off ROW - limb	5,743,592	563	28,988	4.58%
Line failure	5,662,816	757	36,782	4.51%
Forced outage	3,720,045	432	63,046	2.96%
Lightning	3,392,053	400	24,157	2.70%
Trees on ROW	2,688,931	346	8,307	2.14%
Animal	2,354,067	1,687	27,344	1.88%
Human error - company	2,097,919	94	44,707	1.67%
Overload	778,722	50	9,290	0.62%
Object contact with line	746,251	57	7,564	0.59%
Bird	642,985	435	4,847	0.51%
Trees - sec/service	587,217	507	1,299	0.47%
Human error - non-company	526,551	92	5,754	0.42%
Ice	495,421	24	1,293	0.39%
Wind	365,765	38	1,996	0.29%
UG dig-up	296,050	40	2,065	0.24%
Customer equipment	176,783	40	12,462	0.14%
Other electric utility	35,417	6	185	0.03%
Previous lightning	24,533	20	64	0.02%
Other utility - non-electric	14,738	4	231	0.01%
Contamination	14,490	2	133	0.01%
Fire	5,219	6	48	0.00%
Vandalism	416	5	5	0.00%
<b>Total</b>	<b>125,542,403</b>	<b>12,280</b>	<b>861,052</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 March 31, 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 tree management. However, Met-Ed is legally permitted to identify priority off-right-of-way ("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-caused 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>1st 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	50,071,199	1,926	226,805	35.18%
Equipment failure	24,337,155	2,674	233,963	17.10%
Line failure	22,690,601	1,728	169,680	15.94%
Unknown	10,104,618	1,709	61,996	7.10%
Lightning	8,607,331	732	66,493	6.05%
Forced outage	5,675,078	1,057	58,137	3.99%
Vehicle	5,669,995	325	32,211	3.98%
Wind	3,435,209	19	4,930	2.41%
Animal	3,395,851	1,442	29,417	2.39%
Trees off ROW - limb	2,015,063	318	18,062	1.42%
Human error - non-company	1,508,249	81	10,631	1.06%
Bird	1,067,948	358	14,316	0.75%
Trees - sec/service	881,902	776	2,891	0.62%
Other electric utility	816,654	105	3,546	0.57%
Object contact with line	666,123	32	4,870	0.47%
Trees on ROW	372,723	107	3,500	0.26%
Human error - company	267,260	59	16,314	0.19%
Ice	248,653	4	1,616	0.17%
Overload	244,490	32	2,315	0.17%
Customer equipment	94,811	11	902	0.07%
UG dig-up	68,799	53	314	0.05%
Fire	38,203	12	339	0.03%
Contamination	15,086	12	89	0.01%
Vandalism	12,447	12	256	0.01%
Previous lightning	11,333	34	68	0.01%
Other utility - non-electric	8,960	5	61	0.01%
Switching Error	3,125	1	125	0.00%
<b>Total</b>	<b>142,328,866</b>	<b>13,624</b>	<b>963,847</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 March 31, 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 right-of-way 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>1st 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	16,020,026	954	83,995	52.20%
Equipment failure	3,225,339	372	37,862	10.51%
Vehicle	2,284,399	91	16,595	7.44%
Animal	2,010,794	437	20,983	6.55%
Line failure	1,785,612	300	13,115	5.82%
Lightning	1,357,205	298	7,788	4.42%
Unknown	1,089,527	146	22,492	3.55%
Trees off ROW - limb	952,900	140	4,400	3.10%
Forced outage	595,052	72	6,030	1.94%
Bird	452,541	330	4,647	1.47%
Human error - non-company	447,257	25	3,816	1.46%
Trees - sec/service	181,777	174	569	0.59%
Trees on ROW	122,663	8	361	0.40%
Overload	46,141	18	434	0.15%
Previous lightning	40,495	46	289	0.13%
Object contact with line	26,752	7	986	0.09%
Human error - company	25,853	7	165	0.08%
UG dig-up	20,521	11	82	0.07%
Customer equipment	2,949	11	12	0.01%
Ice	1,161	2	9	0.00%
Vandalism	330	2	2	0.00%
Fire	276	2	4	0.00%
<b>Total</b>	<b>30,689,570</b>	<b>3,453</b>	<b>224,636</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 March 31, 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 right-of-way 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 failure, 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.

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

Outages by Cause – West Penn

<b>Outage by Cause</b>				
<b>1st 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	59,617,632	3,357	261,111	44.38%
Equipment failure	17,870,197	2,185	132,744	13.30%
Line failure	16,473,760	1,350	88,933	12.26%
Unknown	8,499,423	1,887	82,517	6.33%
Vehicle	7,906,868	326	66,548	5.89%
Trees on ROW	4,252,524	535	21,017	3.17%
Trees off ROW - limb	4,111,355	213	33,242	3.06%
Forced outage	3,615,919	557	48,819	2.69%
Wind	2,432,547	110	9,126	1.81%
Animal	2,110,934	1,338	23,488	1.57%
Lightning	1,797,339	199	14,037	1.34%
Human error - non-company	1,594,331	74	13,800	1.19%
Ice	1,042,656	19	2,079	0.78%
Other electric utility	798,128	15	1,171	0.59%
Bird	735,301	338	7,998	0.55%
Human error - company	382,275	52	15,117	0.28%
Customer equipment	264,064	14	2,276	0.20%
Trees - sec/service	233,853	352	887	0.17%
Vandalism	215,752	4	557	0.16%
Object contact with line	171,358	25	850	0.13%
Overload	100,875	11	1,824	0.08%
UG dig-up	61,809	33	470	0.05%
Fire	28,911	6	147	0.02%
Other utility - non-electric	3,935	3	32	0.00%
Previous Lightning	1,219	2	20	0.00%
Switching error	1,105	1	29	0.00%
<b>Total</b>	<b>134,324,070</b>	<b>13,006</b>	<b>828,839</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 March 31, 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 right-of-way 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	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD
Forestry	Transmission (Miles)	272.70	189.66	189.66	517.98	229.23	229.23	56.05	47.17	47.17	195.15	81.69	81.69
	Distribution (Miles)	2,878	606	606	3,746	984	984	1,126	390	390	4,400	1,057	1,057
Transmission	Aerial Patrols	2	0	0	2	0	0	2	0	0	2	0	0
	Groundline	1,895	0	0	1,511	0	0	79	0	0	772	0	0
Substation	Substation Inspections Class A	418	209	209	784	392	392	148	74	74	950	475	475
	Substation Inspections Class B	418	0	0	784	0	0	148	0	0	950	0	0
	Substation Inspections Class C	1,672	418	418	3,137	785	785	592	148	148	3,800	950	950
	Transformers	143	11	11	401	271	271	9	0	0	381	217	217
	Breakers	74	8	8	338	61	61	12	0	0	369	65	65
	Relay Schemes	58	46	46	180	69	69	32	25	25	100	37	37
Distribution	Capacitors	4,758	4,758	4,758	8,683	8,683	8,683	978	975	975	1,315	1,315	1,315
	Poles	36,000	0	0	41,584	2,724	2,724	11,027	11,045	11,045	38,373	18,127	18,127
	Reclosers	1,233	659	659	2,591	0	0	930	919	919	3,947	2,673	2,673
	Radio-Controlled Switches	1,010	273	273	2,652	405	405	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.

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<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.

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<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						5			3	
	Line Troubleshooter	33						4	2		3	
	Lineman	125						3			6	
Substation	Substation Leader	15										
	Substation Employee	69										
Transmission	Line Leader	2										
	Lineman	9										
<b>Total</b>		<b>306</b>						<b>12</b>			<b>12</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): FirstEnergy is 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												
Department	Position	Staffing Level				Staff Added in Quarter			Staff Lost in Quarter			Plan to Hire in 2021 <sup>13</sup>
		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						2	2		1	
	Line Troubleshooter	63									1	
	Lineman	142									1	
Substation	Substation Leader	35						2	1		1	
	Substation Employee	36				3		2			2	
Transmission	Line Leader	5										
	Lineman	19										
	<b>Total</b>	367				3		6	3		6	

<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										
	Line Troubleshooter	9										
	Lineman	47									1	
Substation	Substation Leader	5										
	Substation Employee	21										
Transmission	Line Leader	1										
	Lineman	5						3			1	
<b>Total</b>		<b>110</b>						<b>3</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						5		1	5	
	Line Troubleshooter	60						3		1	1	
	Lineman	123				5		6		1	8	
Substation	Substation Leader	21										
	Substation Employee	72						1			1	
Transmission	Line Leader	1						1			1	
	Lineman	2						2			2	
<b>Total</b>		<b>341</b>				<b>5</b>		<b>18</b>		<b>3</b>	<b>18</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.

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

*Call-out Response*

This portion of the report is confidential.

**Call-Out Procedure:**

When an event occurs, Met-Ed, Penelec, Penn Power and West Penn dispatch a troubleman to find and assess the cause of the outage. If the troubleman is unable to repair the damage and a crew is required, the troubleman will inform the Distribution Control Center (“DCC”). The DCC and/or the Customer Operations Center’s person on duty will then initiate the call-out process until desired staffing levels required to complete the restoration have been achieved.

The number of unique workers called for an outage event is recorded and represents the total calls, or opportunities, for an outage event. The number of unique workers who accept the opportunity is recorded and represents the workers accepting. The elapsed time is calculated by taking the date and time of the first employee called for an event minus the date and time of the last accepting employee for that event. The call-out results from all outages experienced during a particular month are added together to derive a total value for each field.

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	3,183	163	1	5,489,623	18,964	9.70	1,724.67	5.958	289.48	1.37
2	Fox Hill	00816-3	Stroudsburg	3,621	72	1	4,467,001	7,196	7.89	1,233.64	1.987	620.76	1.58
3	Shawnee	00895-3	Stroudsburg	3,669	123	1	3,807,048	9,679	6.72	1,037.63	2.638	393.33	0.90
4	Mountain	00744-4	Dillsburg	1,823	111	1	3,265,495	7,365	5.77	1,791.28	4.04	443.38	0.40
5	Carsonia	00764-1	Reading	2,888	48	2	1,675,478	8,525	2.96	580.15	2.952	196.54	0.00
6	Huffs Church	00600-1	Boyertown	1,434	116	1	1,558,500	3,937	2.75	1,086.82	2.745	395.86	0.00
7	S Nazareth	00809-3	Easton	3,208	57	2	1,378,179	10,303	2.43	429.61	3.212	133.76	0.00
8	Bern Church	00789-1	Reading	1,428	75	0	1,338,472	3,778	2.36	937.31	2.646	354.28	0.00
9	Shawnee	00899-3	Stroudsburg	1,574	53	3	1,233,744	4,407	2.18	783.83	2.8	279.95	1.40
10	Lynnville	00735-1	Hamburg	1,376	42	1	1,192,589	3,892	2.11	866.71	2.828	306.42	1.00
11	North Cornwall	00610-2	Lebanon	2,138	68	1	1,155,317	8,127	2.04	540.37	3.801	142.16	3.03
12	Flying Hills	00777-1	Reading	1,776	82	0	1,154,593	5,396	2.04	650.11	3.038	213.97	1.00
13	Crossroads	00728-4	York	1,152	65	1	1,106,870	4,164	1.95	960.82	3.615	265.82	0.30
14	Taxville	00575-4	York	2,218	42	2	1,032,006	5,594	1.82	465.29	2.522	184.48	0.44
15	Saylorsburg	00114-3	Stroudsburg	692	48	1	1,028,314	2,240	1.82	1,486.00	3.237	459.07	1.00
16	Walker	00865-3	Stroudsburg	2,224	64	0	1,025,382	3,875	1.81	461.05	1.742	264.61	0.00
17	Fairview	00519-4	Hanover	2,709	35	2	1,015,668	8,905	1.79	374.92	3.287	114.06	4.93
18	Hokes	00587-4	York	893	27	1	986,858	2,899	1.74	1,105.10	3.246	340.41	3.00
19	Ferndale	00871-3	Easton	486	42	1	955,680	2,766	1.69	1,966.42	5.691	345.51	1.00
20	Water Gap	00109-3	Stroudsburg	206	23	1	954,768	505	1.69	4,634.80	2.451	1,890.63	0.00
21	Barto	00705-1	Boyertown	690	65	1	904,534	2,736	1.60	1,310.92	3.965	330.6	0.00
22	Hill	00734-4	York	1,639	43	1	880,342	2,972	1.55	537.12	1.813	296.21	1.09
23	Campbelltown	00731-2	Lebanon	2,848	86	1	867,564	6,023	1.53	304.62	2.115	144.04	0.10
24	Mountain	00740-4	Dillsburg	2,668	45	1	867,219	4,780	1.53	325.04	1.792	181.43	1.18
25	Birdsboro	00756-1	Reading	1,411	87	2	863,799	4,546	1.53	612.19	3.222	190.01	7.60
26	Lickdale	00626-2	Lebanon	1,464	59	2	827,294	5,041	1.46	565.09	3.443	164.11	0.00
27	Painted Sky	00650-1	Reading	1,780	25	2	810,397	4,688	1.43	455.28	2.634	172.87	0.00
28	Bernville	00786-1	Hamburg	1,849	100	1	800,914	5,770	1.41	433.16	3.121	138.81	1.00

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
29	Palmer	00657-3	Easton	1,445	32	0	767,243	5,514	1.36	530.96	3.816	139.14	0.84
30	Windsor	00797-4	York	1,531	100	3	766,219	7,222	1.35	500.47	4.717	106.1	7.01
31	Hill	00737-4	York	2,271	44	0	744,316	6,804	1.31	327.75	2.996	109.39	1.00
32	Crossroads	00729-4	York	813	33	4	732,883	3,353	1.29	901.46	4.124	218.58	0.00
33	Raintree	00642-4	York	1,830	33	1	704,165	3,816	1.24	384.79	2.085	184.53	3.81
34	Birdsboro	00757-1	Reading	1,894	78	1	687,568	4,021	1.21	363.02	2.123	170.99	1.06
35	S 6Th St	00415-2	Lebanon	1,186	8	2	663,552	2,580	1.17	559.49	2.175	257.19	0.00
36	Queen St	00522-4	York	2,114	29	0	650,261	3,419	1.15	307.6	1.617	190.19	0.00
37	Windsor	00795-4	York	1,017	79	0	648,358	1,803	1.15	637.52	1.773	359.6	0.00
38	East Prospect	00765-4	York	1,921	47	4	635,317	9,480	1.12	330.72	4.935	67.02	0.00
39	Newberry	00576-4	York	1,771	113	0	623,727	6,791	1.10	352.19	3.835	91.85	1.04

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	3,202	115	1	1,777,647	13,522	3.07	555.17	4.222986	131.4633	3.74
2	Logan	00700-81	Lewistown	952	49	0	1,774,749	4,910	3.06	1,864.23	5.157563	361.456	0.67
3	Piney	00523-51	Oil City	1,507	53	2	1,327,875	4,396	2.29	881.14	2.917054	302.0644	1.09
4	Thompson	00436-65	Montrose	1,341	77	0	1,249,293	3,400	2.16	931.61	2.535421	367.4391	1.89
5	Springboro	00237-52	Meadville	2,534	87	0	1,244,837	7,355	2.15	491.25	2.902526	169.2504	2.25
6	Milroy	00128-81	Lewistown	1,803	39	2	1,209,540	3,787	2.09	670.85	2.100388	319.3927	0.65
7	Rolling Meadows	00310-31	Erie	3,304	38	1	1,183,394	11,304	2.04	358.17	3.421308	104.6881	0.20
8	Lake Como	00787-65	Montrose	891	34	1	1,087,424	3,908	1.88	1,220.45	4.386083	278.2559	1.56
9	North Warren	00207-41	Warren	1,363	72	3	1,080,051	6,852	1.86	792.41	5.027146	157.6257	2.23
10	Lake Como	00786-65	Montrose	433	21	0	1,079,303	1,333	1.86	2,492.62	3.078522	809.6797	0.00
11	Marienville	00328-51	Oil City	1,098	53	0	1,065,061	2,998	1.84	970.00	2.730419	355.2572	0.00
12	East Sayre	00518-61	Towanda	903	25	1	1,027,787	2,465	1.77	1,138.19	2.72979	416.9521	0.05
13	Thompson	00446-65	Montrose	659	44	0	1,018,230	2,438	1.76	1,545.11	3.699545	417.6497	0.00
14	Carlisle Pike	00643-83	Shippensburg	3,194	27	1	1,009,328	6,996	1.74	316.01	2.190357	144.2722	0.84
15	N Meshoppen Tran	00534-65	Montrose	888	58	2	986,092	2,356	1.70	1,110.46	2.653153	418.545	0.86
16	Curryville	00644-71	Altoona	1,782	62	0	942,733	4,121	1.63	529.03	2.31257	228.7632	1.01
17	Fairview Altoona	00005-71	Altoona	966	6	0	894,622	2,283	1.54	926.11	2.363354	391.8625	0.00
18	Utica Junction	00331-51	Oil City	642	50	2	876,766	2,769	1.51	1,365.68	4.313084	316.6363	1.01
19	Grover	00527-63	Towanda	1,048	56	1	874,721	2,086	1.51	834.66	1.990458	419.3293	0.00
20	Revloc	00069-72	Altoona	552	6	1	843,458	1,109	1.46	1,528.00	2.009058	760.5573	0.00
21	Warren South	00220-41	Warren	2,849	93	1	809,743	7,262	1.40	284.22	2.548965	111.5041	0.52
22	Logan	00701-81	Lewistown	1,422	31	1	790,614	3,371	1.37	555.99	2.370605	234.534	0.06
23	Viscose Hill	00116-81	Lewistown	684	11	2	789,291	1,251	1.36	1,153.93	1.828947	630.9281	0.01
24	Madera	00166-22	Philipsburg	1,656	46	0	787,664	8,048	1.36	475.64	4.859903	97.87078	0.48
25	Wellsboro	00324-63	Mansfield Pa	250	30	3	780,556	781	1.35	3,122.22	3.124	999.4315	1.89
26	Dushore	00669-62	Towanda	240	10	2	705,846	819	1.22	2,941.03	3.4125	861.8388	3.33
27	Madera	00165-22	Philipsburg	1,599	52	1	682,237	3,340	1.18	426.66	2.088806	204.2626	0.00
28	Industrial	00170-81	Lewistown	765	19	3	680,271	3,105	1.17	889.24	4.058824	219.0889	1.00
29	Edgewood	00089-13	Indiana	866	31	2	675,154	3,150	1.17	779.62	3.637413	214.3346	0.22
30	Reedsville	00127-81	Lewistown	923	20	0	656,859	1,479	1.13	711.66	1.602384	444.1237	0.00

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
31	Nanty Glo	00066-72	Altoona	667	13	0	617,744	1,216	1.07	926.15	1.823088	508.0132	1.68
32	Two Mile	00127-42	Bradford	1,284	45	1	585,169	2,539	1.01	455.74	1.977414	230.4722	0.00
33	Utica Junction	00318-51	Oil City	827	61	0	580,109	1,818	1.00	701.46	2.198307	319.0919	1.04
34	East Pike	00095-13	Indiana	4,225	30	2	575,387	8,086	0.99	136.19	1.913846	71.15842	1.51
35	Monroeton	00770-62	Towanda	580	10	0	571,326	1,279	0.99	985.04	2.205172	446.6974	0.33
36	Tiffany	00440-65	Montrose	1,209	33	0	557,972	5,292	0.96	461.52	4.377171	105.4369	0.16
37	Russell Hill	00282-65	Montrose	998	59	0	552,277	1,875	0.95	553.38	1.878758	294.5477	0.00
38	Brookville	00125-23	Dubois	617	32	1	547,759	3,343	0.95	887.78	5.418152	163.8525	0.99
39	Tyrone North Sub	00643-22	Philipsburg	1,478	8	0	547,377	3,698	0.95	370.35	2.50203	148.0197	1.00
40	Cambria County Priso	00202-72	Altoona	89	5	1	543,112	1,849	0.94	6,102.38	20.77528	293.7328	0.00
41	New Albany Sw Stati	00526-62	Towanda	160	4	2	539,397	626	0.93	3,371.23	3.9125	861.6565	1.21
42	Thompson	00442-65	Montrose	645	26	1	531,225	1,921	0.92	823.60	2.978295	276.5357	0.01
43	Ansonia	00740-63	Mansfield Pa	170	24	0	519,207	338	0.90	3,054.16	1.988235	1536.115	3.00
44	Birmingham	00168-22	Philipsburg	1,081	41	0	504,130	2,575	0.87	466.36	2.382054	195.7786	0.00
45	Mansfield	00559-63	Mansfield Pa	560	27	2	500,028	1,913	0.86	892.91	3.416071	261.3842	0.23
46	Green Garden	00539-31	Erie	1,068	9	1	495,129	2,072	0.85	463.60	1.940075	238.9619	0.00
47	Wyalusing Sub	00532-62	Towanda	706	50	2	493,555	2,065	0.85	699.09	2.924929	239.0097	1.87
48	Laurel Lake Sub Tran	00449-65	Montrose	550	41	4	493,449	2,268	0.85	897.18	4.123636	217.5701	4.92
49	Union City Sub	00206-43	Erie	2,884	113	0	489,131	5,118	0.84	169.60	1.774619	95.57073	1.45
50	Lowell Avenue	00518-31	Erie	805	28	0	483,517	2,085	0.83	600.64	2.590062	231.9026	2.85
51	Waverly	00164-66	Towanda	958	30	2	472,295	2,735	0.82	493.00	2.854906	172.6856	1.00
52	Warren South	00219-41	Warren	319	27	2	470,391	1,373	0.81	1,474.58	4.304075	342.6009	0.00
53	Shawville	00151-21	Clearfield	2,066	40	1	468,298	6,864	0.81	226.67	3.322362	68.22523	1.62
54	East Pike	00094-13	Indiana	712	4	0	467,475	2,470	0.81	656.57	3.469101	189.2611	0.00
55	Port Allegany Sub	00151-42	Bradford	481	32	1	463,697	865	0.80	964.03	1.798337	536.0659	0.00
56	L And R	00120-81	Lewistown	758	18	1	457,983	1,795	0.79	604.20	2.368074	255.1437	0.00
57	Philipsburg	00162-22	Philipsburg	2,992	73	3	455,633	6,115	0.79	152.28	2.043783	74.51071	2.75
58	Dubois	00131-23	Dubois	582	24	0	436,082	1,275	0.75	749.28	2.190722	342.0251	0.18
59	Erie East	00234-31	Erie	1,193	54	1	423,808	2,259	0.73	355.25	1.893546	187.6087	0.08

<b>Penelec</b>													
<b>Circuit Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Average Customers</b>	<b>Outages</b>	<b>Lockouts</b>	<b>Customer Minutes</b>	<b>Customers Affected</b>	<b>SAIDI Impact</b>	<b>SAIDI</b>	<b>SAIFI</b>	<b>CAIDI</b>	<b>MAIFI</b>
60	Falls	00297-65	Montrose	799	20	0	420,734	1,504	0.73	526.58	1.882353	279.7434	1.00
61	Meyersdale North	00022-12	Somerset	1,554	45	1	420,415	3,800	0.73	270.54	2.445302	110.6355	1.43
62	Timblin	00103-23	Dubois	771	29	0	416,127	3,594	0.72	539.72	4.661479	115.7838	1.34

Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
1	Stoneboro	W-131	Clark	1,439	71	1	926,117	3,811	5.6	643.58	2.648	243.0
2	Stoneboro	W-132	Clark	1,002	61	3	810,982	4,764	4.9	809.36	4.754	170.2
3	Camp Reynolds	W-134	Clark	1,736	78	1	760,412	3,965	4.6	438.03	2.284	191.8
4	BMF	W760	Zelienople	2,380	25	2	704,904	5,241	4.3	296.18	2.202	134.5
5	Thompson Run	D550	Zelienople	976	25	1	637,375	3,305	3.9	653.05	3.386	192.9
6	Jackson	W731	Zelienople	1,868	15	1	634,513	4,043	3.9	339.68	2.164	156.9
7	West Middlesex	W-138	Clark	1,362	43	2	523,674	3,497	3.2	384.49	2.568	149.7
8	Henderson	W-281	Clark	849	28	0	504,578	1,136	3.1	594.32	1.338	444.2
9	Bedford	D-445	New Castle	984	50	1	447,321	1,852	2.7	454.59	1.882	241.5

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
1	Piney Fork	Cochran Mill	Charleroi	1,191	5	1	1,768,630	2,704	2.5	1,485	2.27	654
2	Dutch Fork	Claysville	Washington Pa	1,583	82	1	1,326,903	4,802	1.8	838	3.03	276
3	Piney Fork	Stoltz	Charleroi	2,098	26	2	1,304,798	5,835	1.8	622	2.78	224
4	Waterville	Waterville	State College	354	26	3	1,284,238	2,947	1.8	3,628	8.32	436
5	Rutan	Bristoria	Jefferson	1,147	98	0	1,206,463	3,437	1.7	1,052	3.00	351
6	Franklin	Rogersville	Jefferson	810	70	2	1,107,650	2,899	1.5	1,367	3.58	382
7	St. Clair	Mclaughlin	Boyce	648	27	2	1,087,764	3,423	1.5	1,679	5.28	318
8	Westraver	Pittsburgh Coal	Charleroi	1,841	26	1	1,075,185	6,974	1.5	584	3.79	154
9	North Washington	Poke Run	Arnold	1,229	64	1	1,009,390	4,681	1.4	821	3.81	216
10	Avella	W Middletown	Washington Pa	1,149	58	0	968,185	3,469	1.3	843	3.02	279
11	Cecil	Muse	Boyce	1,399	7	0	944,753	2,616	1.3	675	1.87	361
12	Murrycrest	Christy Road	Jeannette	1,032	36	2	879,157	3,324	1.2	852	3.22	264
13	St. Clair	Skyridge	Boyce	899	22	4	876,802	5,449	1.2	975	6.06	161
14	Bethel Park	Clifton	Boyce	922	15	9	867,235	7,872	1.2	941	8.54	110
15	Bethlen	Laurel Valley	Latrobe	1,303	69	4	847,530	7,507	1.2	650	5.76	113
16	Smith	Florence	Washington Pa	807	52	2	843,411	4,897	1.2	1,045	6.07	172
17	Whiteley	Mt. Morris	Jefferson	1,063	42	0	794,794	2,139	1.1	748	2.01	372
18	Bethlen	Darlington	Latrobe	1,245	68	0	726,987	5,021	1.0	584	4.03	145
19	Hilliards	Hilliards	Butler	894	29	1	651,723	2,130	0.9	729	2.38	306
20	California	Malden	Charleroi	993	31	0	625,080	3,017	0.9	629	3.04	207
21	Avella	Penowa	Washington Pa	660	36	1	609,243	2,365	0.8	923	3.58	258
22	North Fayette	Tyre	Boyce	1,626	48	1	605,632	3,811	0.8	372	2.34	159
23	Piney Fork	Knothole	Charleroi	1,609	29	1	600,381	4,343	0.8	373	2.70	138
24	Bethlen	Laughlintown	Latrobe	1,091	55	2	595,196	3,880	0.8	546	3.56	153
25	Finleyville	Finleyville	Charleroi	1,302	27	0	578,059	2,691	0.8	444	2.07	215
26	Lovedale	Township	Charleroi	1,621	28	0	570,547	4,750	0.8	352	2.93	120
27	Smith	Francis Mine	Washington Pa	1,431	52	1	566,134	3,065	0.8	396	2.14	185
28	Smith	Burgettstown	Washington Pa	1,889	46	1	564,571	3,477	0.8	299	1.84	162
29	Kiski Valley Distrib	Kittanning Rd	Arnold	1,786	36	1	556,841	3,142	0.8	312	1.76	177

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI
30	Weedville	Weedville	St Marys	1,373	39	0	556,839	3,265	0.8	406	2.38	171
31	Cooperstown	Twin Willows	Butler	1,604	28	1	547,633	3,982	0.8	341	2.48	138
32	Blue Ridge Summit	Sabillasville	Waynesboro	961	33	0	531,467	2,240	0.7	553	2.33	237
33	Emporium	Emporium Jct	St Marys	598	25	1	529,172	2,032	0.7	885	3.40	260
34	Hyndman	Route 96 South	Hyndman	691	33	0	520,956	1,878	0.7	754	2.72	277
35	Butler	Center Ave	Butler	1,639	32	1	512,547	3,089	0.7	313	1.88	166
36	State College	West Residential	State College	1,326	15	2	502,179	2,992	0.7	379	2.26	168
37	Cecil	Hendersonville	Boyce	2,029	18	3	502,026	8,242	0.7	247	4.06	61
38	Fort Palmer	West Fairfield	Latrobe	961	71	0	501,212	1,612	0.7	522	1.68	311
39	Purcell	Artemas	Hyndman	582	34	0	499,596	1,571	0.7	858	2.70	318
40	Lagonda	Club Forty	Washington Pa	704	26	0	496,218	1,800	0.7	705	2.56	276

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

<b>Met-Ed</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
1	No Bangor	00826-3	Easton	3,186	147
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	9.5	Trees Off ROW	46%	2Q 2019
	SAIDI	1,692	Vehicle	36%	3Q 2019
	SAIFI	5.83	Equipment Failure	11%	4Q 2019
	CAIDI	290	All Other	7%	1Q 2020
	Customer Minutes	5,391,639			
	Customers Affected	18,571			
	<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	0%
	Install TripSaver Recloser #2			To be Completed 2020	0%
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
2	Fox Hill	00816-3	Stroudsburg	3,539	67
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	6.0	Trees Off ROW	38%	4Q 2019
	SAIDI	962	Equipment Failure	35%	1Q 2020
	SAIFI	1.60	Trees Off ROW-Limb	14%	
	CAIDI	601	All Other	13%	
	Customer Minutes	3,404,646			
	Customers Affected	5,662			
	<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
	Repair items identified during circuit inspection			To be Completed 2020	25%
	On cycle tree trimming			To be Completed 2020	0%
	Thermovision and overhead inspection			To be Completed 2020	0%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
3	Shawnee	00895-3	Stroudsburg	3,793	117	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	5.6	Trees Off ROW	70%	2Q 2019	
	SAIDI	836	Ice	11%	3Q 2019	
	SAIFI	2.37	Trees Off ROW-Limb	8%	4Q 2019	
	CAIDI	352	All Other	11%	1Q 2020	
	Customer Minutes	3,171,435				
	Customers Affected	9,000				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	On cycle tree trimming				To be Completed 2020	1%
	Thermovision and overhead inspection				To be Completed 2020	0%
	Install TripSaver Recloser				To be Completed 2020	0%
	Rank	Substation	Circuit	District	Customers	Outages
4	Mountain	00744-4	Dillsburg	1,825	93	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.9	Trees Off ROW	78%	2Q 2019	
	SAIDI	1,531	Unknown	10%	3Q 2019	
	SAIFI	4.23	Line Failure	4%	4Q 2019	
	CAIDI	362	All Other	8%	1Q 2020	
	Customer Minutes	2,793,526				
	Customers Affected	7,725				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Replace pole from inspection				Complete	Jun-19
	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				To be Completed 2020	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
5	Carsonia	00764-1	Reading	2,888	47
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.1	Trees Off ROW	52%	2Q 2019
	SAIDI	598	Vehicle	32%	3Q 2019
	SAIFI	3.43	Equipment Failure	13%	4Q 2019
	CAIDI	174	All Other	3%	1Q 2020
	Customer Minutes	1,726,663			
	Customers Affected	9,918			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Targeted forestry inspection			Complete	Jun-19
	Overhead circuit inspection			Complete	Jun-19
	Engineering circuit tie addition review			Complete	Sep-19
	Mainline pole replacement			Complete	Oct-19
	Engineering circuit split review			Complete	Oct-19
	Engineering circuit tie addition review			Complete	Dec-19
Targeted forestry inspection			Complete	Mar-20	
Targeted overhead circuit inspection			Complete	Mar-20	
Targeted forestry inspection			Complete	Apr-20	
Rank	Substation	Circuit	District	Customers	Outages
6	Bern Church	00789-1	Reading	1,429	71
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.4	Trees Off ROW	93%	2Q 2019
	SAIDI	968	Line Failure	3%	3Q 2019
	SAIFI	2.66	Human Error -Non-Company	2%	4Q 2019
	CAIDI	363	All Other	2%	1Q 2020
	Customer Minutes	1,383,225			
	Customers Affected	3,806			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace mainline pole from inspection			Complete	Jun-19
	Replace mainline pole from inspection			Complete	Jun-19
	Targeted forestry inspection			Complete	Aug-19
	Enhanced Tree Trimming			Complete	Oct-19
	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
7	S Nazareth	00809-3	Easton	3,209	49
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.4	Trees Off ROW	70%	2Q 2019
	SAIDI	415	Line Failure	12%	3Q 2019
	SAIFI	3.11	Equipment Failure	7%	4Q 2019
	CAIDI	133	All Other	11%	1Q 2020
	Customer Minutes	1,331,119			
	Customers Affected	9,984			
	Remedial Action Planned or Taken			Status	Progress
	Install SCADA recloser #1			Complete	Dec-19
	Install SCADA recloser #2			Complete	Dec-19
	Install SCADA recloser #3			Complete	Dec-19
	Install SCADA recloser #4			Complete	Dec-19
	Construct circuit tie			To be Completed 2020	70%
	Targeted Mainline Circuit Rehabilitation			To be Completed 2020	50%
	On cycle tree trimming			To be Completed 2020	0%
	Thermovision and overhead inspection			To be Completed 2020	0%
Install TripSaver Recloser #1			To be Completed 2020	0%	
Install TripSaver Recloser #2			To be Completed 2020	0%	
Install TripSaver Recloser #3			To be Completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages
8	Shawnee	00899-3	Stroudsburg	1,662	51
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	2.1	Trees Off ROW	95%	2Q 2019
	SAIDI	710	Forced Outage	1%	4Q 2019
	SAIFI	2.60	Equipment Failure	1%	1Q 2020
	CAIDI	273	All Other	3%	
	Customer Minutes	1,180,286			
	Customers Affected	4,328			
	Remedial Action Planned or Taken			Status	Progress
	Thermovision and overhead inspection			Complete	Feb-19
	Three-phase overhead inspection			Complete	Jan-19

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
9	North Cornwall	00610-2	Lebanon	2,155	72
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.0	Trees Off ROW	76%	2Q 2019
	SAIDI	532	Unknown	8%	3Q 2019
	SAIFI	3.70	Wind	4%	4Q 2019
	CAIDI	144	All Other	12%	1Q 2020
	Customer Minutes	1,147,044			
	Customers Affected	7,983			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	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	18%
	Rank	Substation	Circuit	District	Customers
10	Taxville	00575-4	York	2,222	48
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.0	Trees Off ROW	64%	3Q 2019
	SAIDI	499	Ug Dig-Up	21%	4Q 2019
	SAIFI	2.94	Equipment Failure	10%	1Q 2020
	CAIDI	169	All Other	5%	
	Customer Minutes	1,108,506			
	Customers Affected	6,543			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install SCADA recloser #1			Complete	Sep-19
	Targeted Mainline Circuit Rehabilitation			Complete	Sep-19
	Repair/Replace items from Capacitor Inspection			Complete	May-19

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
11	Barto	00706-1	Boyetown	2,874	117
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.7	Vehicle	49%	3Q 2019
	SAIDI	328	Trees Off ROW	34%	1Q 2020
	SAIFI	2.76	Equipment Failure	9%	
	CAIDI	119	All Other	8%	
	Customer Minutes	942,421			
	Customers Affected	7,932			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install SCADA switch #1			Complete	Jan-20
	Install SCADA switch #2			Complete	Jan-20
	Install SCADA switch #3			Complete	Jan-20
	Install SCADA switch #4			Complete	Jan-20
	Install SCADA recloser #1			Complete	Feb-20
	Mainline pole replacement from inspection #1			To be Completed 2020	50%
	Mainline pole replacement from inspection #2			To be Completed 2020	50%
	On cycle tree trimming			To be Completed 2020	2%
Overhead circuit inspection			To be Completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages
12	Hill	00734-4	York	1,642	45
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.6	Unknown	68%	3Q 2019
	SAIDI	544	Trees Off ROW	23%	4Q 2019
	SAIFI	1.84	Trees On ROW	3%	1Q 2020
	CAIDI	296	All Other	6%	
	Customer Minutes	893,610			
	Customers Affected	3,018			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair/Replace items from Capacitor Inspection #1			Complete	Apr-19
	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 #2			Complete	May-19
	Repair/Replace items from Capacitor Inspection #3			Complete	Mar-20
	On cycle tree trimming			To be Completed 2020	50%
	Install TripSaver Recloser #1			To be Completed 2020	0%
Install TripSaver Recloser #2			To be Completed 2020	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
13	Hokes	00587-4	York	894	24
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.5	Trees Off ROW	83%	2Q 2019
	SAIDI	946	Trees On ROW	13%	3Q 2019
	SAIFI	2.23	Vehicle	3%	4Q 2019
	CAIDI	424	All Other	1%	1Q 2020
	Customer Minutes	845,314			
	Customers Affected	1,993			
	Remedial Action Planned or Taken			Status	Progress
	Replace Regulator			Complete	Apr-19
	Engineering Review - Identify future SCADA Devices			Complete	Jun-19
	Install SCADA recloser #1 2019			Complete	Sep-19
	Install SCADA recloser #2 2019			Complete	Sep-19
	Engineering Review - Identify for Targeted Mainline Inspection			Complete	Sep-19
Repair/replace high priority items identified during inspection			To be Completed 2020	10%	
Rank	Substation	Circuit	District	Customers	Outages
14	Lynnville	00735-1	Hamburg	1,378	43
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.5	Vehicle	47%	2Q 2019
	SAIDI	609	Trees Off ROW	44%	3Q 2019
	SAIFI	2.12	Equipment Failure	4%	4Q 2019
	CAIDI	288	All Other	5%	1Q 2020
	Customer Minutes	839,639			
	Customers Affected	2,917			
	Remedial Action Planned or Taken			Status	Progress
	Replace line clamp from thermovision inspection #1			Complete	Apr-19
	Overhead circuit inspection			Complete	May-19
	Install SCADA switch #1			Complete	Sep-19
	Replace arrester from thermovision inspection			Complete	Oct- 19
	Install SCADA switch #2			Complete	Oct- 19
Replace line clamp from thermovision inspection #2			Complete	Nov- 19	
Replace pole from thermovision inspection			Complete	Nov- 19	
Install SCADA switch #3			Complete	Jan-20	
Install TripSaver Recloser #1			To be Completed 2020	50%	
Install TripSaver Recloser #2			To be Completed 2020	50%	
Install SCADA recloser #1			To be Completed 2020	50%	
Install SCADA switch #4			To be Completed 2020	50%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
15	Lickdale	00626-2	Lebanon	1,478	56
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	42%	2Q 2019
	SAIDI	565	Vehicle	29%	3Q 2019
	SAIFI	3.47	Trees On ROW	13%	4Q 2019
	CAIDI	163	All Other	16%	1Q 2020
	Customer Minutes	834,645			
	Customers Affected	5,133			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install SCADA switch #1			Complete	Aug-19
	Install SCADA switch #2			Complete	Aug-19
	Install SCADA switch #3			Complete	Aug-19
	Install SCADA recloser #1			Complete	Aug-19
	GOAB Replacement			Complete	Dec-19
	Targeted Mainline Circuit Rehabilitation #1			Complete	Jan-20
Targeted Mainline Circuit Rehabilitation #2			Complete	Jan-20	
Targeted Mainline Circuit Rehabilitation #3			Complete	Jan-20	
Overhead circuit inspection			Complete	Mar-20	
Install fusing			To be Completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages
16	Crossroads	00728-4	York	1,152	68
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Vehicle	52%	2Q 2019
	SAIDI	707	Equipment Failure	23%	3Q 2019
	SAIFI	2.61	Unknown	10%	4Q 2019
	CAIDI	271	All Other	15%	1Q 2020
	Customer Minutes	815,032			
	Customers Affected	3,006			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Lockout Zone Circuit Inspection			Complete	Apr-19
	Install SCADA switch #3 2019			Complete	Nov-19
	Replaced Capacitor control			Complete	Feb-20
	On cycle tree trimming			Complete	Jun-19
	Install SCADA switch #1			To be Completed 2020	0%
	Install SCADA switch #2			To be Completed 2020	0%
Install TripSaver Recloser			To be Completed 2020	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
17	Water Gap	00109-3	Stroudsburg	206	22
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees Off ROW	81%	4Q 2019
	SAIDI	3,922	Trees - Sec/Service	14%	1Q 2020
	SAIFI	2.31	Trees On ROW	4%	
	CAIDI	1,697	All Other	1%	
	Customer Minutes	807,849			
	Customers Affected	476			
	<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%
	Rank	Substation	Circuit	District	Customers
18	Campbelltown	00731-2	Lebanon	2,852	73
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees Off ROW	38%	2Q 2019
	SAIDI	279	Vehicle	33%	3Q 2019
	SAIFI	2.07	Unknown	13%	4Q 2019
	CAIDI	135	All Other	16%	1Q 2020
	Customer Minutes	795,847			
	Customers Affected	5,915			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace crossarm from inspection			Complete	Dec-19
	Enhanced three phase tree trimming			Complete	Dec-19
	On cycle tree trimming			To be Completed 2020	0%
Upgrade fusing			To be Completed 2020	0%	
Rank	Substation	Circuit	District	Customers	Outages
19	Palmer	00657-3	Easton	1,446	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees Off ROW	65%	3Q 2019
	SAIDI	529	Object Contact With Line	17%	4Q 2019
	SAIFI	3.80	Line Failure	7%	1Q 2020
	CAIDI	139	All Other	11%	
	Customer Minutes	765,585			
	Customers Affected	5,500			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install SCADA recloser			Complete	Mar-20
Overhead circuit inspection			To be Completed 2020	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
20	Flying Hills	00777-1	Reading	1,780	77
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees Off ROW	75%	2Q 2019
	SAIDI	430	Trees Off ROW-Limb	7%	3Q 2019
	SAIFI	1.79	Trees On ROW	5%	4Q 2019
	CAIDI	240	All Other	13%	1Q 2020
	Customer Minutes	764,856			
	Customers Affected	3,184			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace UG cable in Flying Hills URD			Complete	May-19
	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%
Rank	Substation	Circuit	District	Customers	Outages
21	Windsor	00797-4	York	1,531	97
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Trees Off ROW	79%	2Q 2019
	SAIDI	489	Trees Off ROW-Limb	8%	3Q 2019
	SAIFI	4.95	Unknown	3%	4Q 2019
	CAIDI	99	All Other	10%	1Q 2020
	Customer Minutes	748,173			
	Customers Affected	7,577			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Install additional SCADA switch #1			Complete	Sep-19
	Install additional SCADA switch #2			Complete	Sep-19
	Install additional SCADA switch #3			Complete	Sep-19
	Install additional 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	10%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
	Berville	00786-1	Hamburg	1,849	92
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Trees Off ROW	35%	2Q 2019
	SAIDI	401	Equipment Failure	18%	3Q 2019
	SAIFI	3.01	Forced Outage	13%	4Q 2019
	CAIDI	133	All Other	34%	1Q 2020
	Customer Minutes	742,215			
	Customers Affected	5,563			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Targeted Mainline Circuit Rehabilitation - Engineering Review			Complete	May-19
	Replace crossarm brace from thermovision inspection			Complete	May-19
	Replace line clamp from thermovision inspection			Complete	Jun-19
	Replace mainline crossarm braces from inspection			Complete	Sep-19
	Upgrade mainline recloser			Complete	Sep-19
	Install SCADA recloser			Complete	Aug- 19
	Install SCADA switch #1			Complete	Oct- 19
22	Install SCADA switch #2			Complete	Oct- 19
	Replace crossarm brace from thermovision inspection			Complete	Jan- 20
	Replace crossarm brace from thermovision inspection			Complete	Jan- 20
	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 SCADA switch #3			To be Completed 2020	50%
	Install SCADA switch #4			To be Completed 2020	50%
	Install SCADA switch #5			To be Completed 2020	50%
	Install SCADA switch #6			To be Completed 2020	50%
	Install SCADA switch #7			To be Completed 2020	50%
	Install SCADA recloser #1			To be Completed 2020	50%
	Install SCADA recloser #2			To be Completed 2020	50%
	Install SCADA recloser #3			To be Completed 2020	50%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
23	Saylorsburg	00114-3	Stroudsburg	691	37
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Vehicle	50%	2Q 2019
	SAIDI	1,069	Trees Off ROW	34%	3Q 2019
	SAIFI	2.61	Trees Off ROW-Limb	7%	4Q 2019
	CAIDI	410	All Other	9%	1Q 2020
	Customer Minutes	738,879			
	Customers Affected	1,804			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Dec-19
Rank	Substation	Circuit	District	Customers	Outages
24	Crossroads	00729-4	York	864	32
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Equipment Failure	41%	3Q 2019
	SAIDI	849	Forced Outage	23%	4Q 2019
	SAIFI	3.81	Lightning	22%	1Q 2020
	CAIDI	223	All Other	14%	
	Customer Minutes	733,270			
	Customers Affected	3,292			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Rehab - Replace H-Frame structures			Complete	Oct-19
	Install SCADA switch #1 2019			Complete	Nov-19
	Install SCADA recloser #1 2019			Complete	Dec-19
	Replace recloser #1			Complete	Oct-19
	Replace recloser #2			Complete	Oct-19
On cycle tree trimming			Complete	Jul-19	
Rank	Substation	Circuit	District	Customers	Outages
25	S 6Th St	00415-2	Lebanon	1,145	7
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Unknown	82%	None
	SAIDI	587	Human Error -Non-Company	15%	
	SAIFI	2.27	Equipment Failure	2%	
	CAIDI	259	All Other	1%	
	Customer Minutes	672,629			
	Customers Affected	2,596			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Post storm circuit patrol			Complete	Aug-19
Install fusing on mainline taps			To be Completed 2020	50%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
26	Mohnton	00144-1	Reading	969	19
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees Off ROW	93%	None
	SAIDI	654	Equipment Failure	4%	
	SAIFI	2.07	Line Failure	2%	
	CAIDI	315	All Other	1%	
	Customer Minutes	633,982			
	Customers Affected	2,010			
	<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
	Rank	Substation	Circuit	District	Customers
27	Springwood	00680-4	York	1,567	41
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees Off ROW	74%	None
	SAIDI	402	Trees Off ROW-Limb	10%	
	SAIFI	3.01	Lightning	6%	
	CAIDI	134	All Other	10%	
	Customer Minutes	630,118			
	Customers Affected	4,714			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Overhead Circuit Inspection			Complete	Mar-20
	Install SCADA switch #1			To be Completed 2020	25%
	Install SCADA switch #2			To be Completed 2020	25%
	On cycle tree trimming			To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
28	East Prospect	00765-4	York	1,923	48
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees Off ROW	61%	3Q 2019
	SAIDI	327	Equipment Failure	16%	4Q 2019
	SAIFI	4.78	Lightning	13%	1Q 2020
	CAIDI	68	All Other	10%	
	Customer Minutes	629,723			
	Customers Affected	9,195			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Enhanced tree removal			Complete	Dec-19
	On cycle tree trimming			To be Completed 2020	84%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
29	Windsor	00795-4	York	1,018	76
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees Off ROW	84%	4Q 2019
	SAIDI	617	Trees Off ROW-Limb	5%	1Q 2020
	SAIFI	1.77	Equipment Failure	3%	
	CAIDI	349	All Other	8%	
	Customer Minutes	628,105			
	Customers Affected	1,800			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Replace/repair high priority items identified during overhead circuit patrol			Complete	Sep-19
	Install additional SCADA switch			Complete	Aug-19
	Circuit Rehab 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			To be Completed 2020	25%
Install Animal Guard			To be Completed 2020	10%	
Rank	Substation	Circuit	District	Customers	Outages
30	Raintree	00642-4	York	1,782	32
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Vehicle	77%	2Q 2019
	SAIDI	351	Forced Outage	10%	3Q 2019
	SAIFI	4.32	Trees Off ROW	5%	4Q 2019
	CAIDI	81	All Other	8%	1Q 2020
	Customer Minutes	626,090			
	Customers Affected	7,691			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair/Replace items from Capacitor Inspection			Complete	May-19
	Repair/Replace items from Recloser Inspection			Complete	Oct-19
	Install TripSaver Recloser			To be Completed 2020	0%

Met-Ed						
Rank	Substation	Circuit	District	Customers	Outages	
31	Hill	00737-4	York	2,270	42	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.1	Equipment Failure	75%	4Q 2019	
	SAIDI	275	Trees Off ROW	15%	1Q 2020	
	SAIFI	2.18	Human Error -Non-Company	5%		
	CAIDI	127	All Other	5%		
	Customer Minutes	624,988				
	Customers Affected	4,938				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Install SCADA switch #1 2019			Complete	Dec-19	
	On cycle tree trimming			To be Completed 2020	Jan-00	
	Install additional mainline switch			To be Completed 2020	Jan-00	
	Rank	Substation	Circuit	District	Customers	Outages
	32	Barto	00705-1	Boyertown	629	52
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.1	Trees Off ROW	83%	2Q 2019	
SAIDI		989	Unknown	7%	3Q 2019	
SAIFI		3.52	Lightning	3%	4Q 2019	
CAIDI		281	All Other	7%	1Q 2020	
Customer Minutes		622,201				
Customers Affected		2,217				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Targeted forestry inspection			Complete	May-19		
Enhanced Tree Trimming			Complete	Nov-19		
On cycle tree trimming			To be Completed 2020	91%		
Install TripSaver Recloser			To be Completed 2020	50%		
Overhead circuit inspection			To be Completed 2020	0%		

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
33	Fairview	00519-4	Hanover	2,722	35
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees Off ROW	79%	2Q 2019
	SAIDI	219	Overload	6%	3Q 2019
	SAIFI	1.92	Equipment Failure	6%	4Q 2019
	CAIDI	114	All Other	9%	1Q 2020
	Customer Minutes	595,033			
	Customers Affected	5,213			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Enhanced tree trimming			Complete	Nov-19
	Overhead circuit inspection			To be Completed 2020	0%
	Install SCADA recloser #1			To be Completed 2020	50%
	Install SCADA recloser #2			To be Completed 2020	50%
	Install SCADA recloser #3			To be Completed 2020	50%
Install SCADA recloser #4			To be Completed 2020	50%	
Add SCADA to recloser #1			To be Completed 2020	50%	
Add SCADA to recloser #2			To be Completed 2020	50%	
Rank	Substation	Circuit	District	Customers	Outages
34	Newberry	00576-4	York	1,771	116
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.0	Trees Off ROW	49%	4Q 2019
	SAIDI	328	Unknown	11%	1Q 2020
	SAIFI	3.76	Equipment Failure	11%	
	CAIDI	87	All Other	29%	
	Customer Minutes	580,419			
	Customers Affected	6,653			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Enhanced tree removal			Complete	Dec-19
	Repair/replace high priority items identified during inspection			To be Completed 2020	90%

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
35	Painted Sky	00650-1	Reading	1,780	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.0	Trees Off ROW	98%	4Q 2019
	SAIDI	321	Equipment Failure	1%	1Q 2020
	SAIFI	2.08	Animal	1%	
	CAIDI	154	All Other	0%	
	Customer Minutes	571,346			
	Customers Affected	3,705			
	Remedial Action Planned or Taken			Status	Progress
	Targeted forestry inspection			Complete	Jun-19
	Replace poles from inspection			Complete	Aug-19
	Targeted forestry inspection			Complete	Oct-19
	Install additional mainline disconnects			To be Completed 2020	50%
	Rank	Substation	Circuit	District	Customers
36	Broad Street	00776-2	Lebanon	1,926	20
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.0	Trees Off ROW	79%	3Q 2019
	SAIDI	290	Equipment Failure	12%	1Q 2020
	SAIFI	2.03	Wind	4%	
	CAIDI	143	All Other	5%	
	Customer Minutes	559,407			
	Customers Affected	3,909			
	Remedial Action Planned or Taken			Status	Progress
	On cycle tree trimming			To be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
37	Shawnee	00833-3	Stroudsburg	654	22
	Reliability		Outage by Cause		Previously Ranked
	SAIDI Impact	1.0	Trees Off ROW	36%	None
	SAIDI	833	Equipment Failure	34%	
	SAIFI	3.26	Trees Off ROW-Limb	11%	
	CAIDI	256	All Other	19%	
	Customer Minutes	544,801			
	Customers Affected	2,132			
	Remedial Action Planned or Taken			Status	Progress
	Three-phase overhead inspection			Complete	Jan-19
	Construct circuit tie			Complete	Mar-20
Thermovision and overhead inspection			To be Completed 2020	0%	

Met-Ed					
Rank	Substation	Circuit	District	Customers	Outages
38	Mountain	00743-4	Dillsburg	1,033	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.0	Trees Off ROW-Limb	85%	None
	SAIDI	526	Trees Off ROW	7%	
	SAIFI	2.99	Trees On ROW	4%	
	CAIDI	176	All Other	4%	
	Customer Minutes	543,030			
	Customers Affected	3,086			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Thermovision and overhead inspection			Complete	Feb-19
	Install SCADA recloser			Complete	Dec-19
	Targeted Zone 2 Circuit Rehabilitation			Complete	Feb-20
	Overhead circuit inspection			Complete	Mar-20
	Rank	Substation	Circuit	District	Customers
39	Ferndale	00871-3	Easton	488	34
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees Off ROW	44%	2Q 2019
	SAIDI	1,099	Equipment Failure	30%	3Q 2019
	SAIFI	4.18	Vehicle	16%	4Q 2019
	CAIDI	263	All Other	10%	1Q 2020
	Customer Minutes	536,544			
	Customers Affected	2,038			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			To be Completed 2020	5%
	Thermovision and overhead inspection			To be Completed 2020	0%
	Install TripSaver Recloser			To be Completed 2020	0%

Met-Ed					
Unranked circuits appearing 2 or more quarters in the last 4 quarters					
Substation	Circuit	1Q 2019	2Q 2019	3Q 2019	4Q 2019
Allen	00502-4	X	X		
Gardners	00752-4	X	X		
Gardners	00754-4	X	X	X	
Lickdale	00625-2	X	X	X	
Moselem	00782-1	X	X		
Myerstown	00751-2	X	X		
Ottsville	00660-3	X	X	X	
Raubsville	00079-3	X	X	X	
Shawnee	00822-3	X	X	X	
Stouchburg	00758-2		X	X	
West Boyertown	00714-1	X	X		

Met-Ed				
Unranked circuits with remedial actions scheduled to be or recently completed				
Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Progress of Remedial Work or Date Completed
Huffs Church	00600-1	On cycle tree trimming	To be Completed 2020	0%
Huffs Church	00600-1	Overhead circuit inspection	To be Completed 2020	0%
Mountain	00740-4	Overhead circuit inspection	Complete	Feb-20
Shawnee Sub	00822-3	Install SCADA switch	To be Completed 2020	90%
Stouchburg	00758-2	Line project to reconductor 4 spans and improve coordination	To be Completed 2020	50%
Belfast	00812-3	Install SCADA recloser	To be Completed 2020	90%
Belfast	00812-3	Install SCADA recloser	To be Completed 2020	90%
Birchwood	00624-3	Install SCADA recloser	Complete	Jan-20
Clearfield	00631-3	Construct circuit tie	To be Completed 2020	90%
Clearfield	00632-3	Construct circuit tie	To be Completed 2020	90%
Moselem	00782-1	Install SCADA switch #2	Complete	Feb-20
Moselem	00782-1	Install SCADA switch #3	Complete	Feb-20
Moselem	00782-1	Install SCADA recloser #1	Complete	Feb-20
Moselem	00782-1	Install SCADA recloser #2	Complete	Feb-20
Orrtanna	00764-4	Targeted Mainline Circuit Rehabilitation	Complete	Mar-20

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
1	Dubois	00137-23	Dubois	3,202	115
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.1	Trees Off ROW	54%	2Q 2019
	SAIDI	555	Equipment Failure	19%	3Q 2019
	SAIFI	555.17	Line Failure	10%	4Q 2019
	CAIDI	4	All Other	17%	1Q 2020
	Customer Minutes	1,777,647			
	Customers Affected	13,522			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by equipment failure			Complete	Apr-19
	Repair damage caused by trees			Complete	Jun-19
	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			To be Completed 2020	0%	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
2	Logan	00700-81	Lewistown	952	49
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	3.1	Trees Off ROW	96%	2Q 2019
	SAIDI	1,864	Forced Outage	3%	3Q 2019
	SAIFI	1,864.23	Lightning	1%	4Q 2019
	CAIDI	5	All Other	0%	1Q 2020
	Customer Minutes	1,774,749			
	Customers Affected	4,910			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-19
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair damage caused by trees			Complete	Dec-19
	Circuit inspection			To be Completed 2020	0%

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
3	Piney	00523-51	Oil City	1,507	53
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.3	Trees Off ROW	48%	2Q 2019
	SAIDI	881	Equipment Failure	35%	3Q 2019
	SAIFI	881.14	Unknown	12%	4Q 2019
	CAIDI	3	All Other	5%	1Q 2020
	Customer Minutes	1,327,875			
	Customers Affected	4,396			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Jun-19
	Repair equipment failure			Complete	Aug-19
	Circuit inspection			Complete	Sep-19
	Install new radio-controlled switch			To be Completed 2020	95%
	Install advanced Dx protective devices			To be Completed 2020	0%
On cycle tree trimming			To be Completed 2020	38%	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
4	Thompson	00436-65	Montrose	1,341	77
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.2	Trees Off ROW	37%	2Q 2019
	SAIDI	932	Line Failure	27%	3Q 2019
	SAIFI	931.61	Equipment Failure	23%	4Q 2019
	CAIDI	3	All Other	13%	1Q 2020
	Customer Minutes	1,249,293			
	Customers Affected	3,400			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Circuit inspection			Complete	May-19
	Repair equipment failure			Complete	Jul-19
	Repair line failure			Complete	Dec-19
	On cycle tree trimming			To be Completed 2020	28%

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
5	Springboro	00237-52	Meadville	2,534	87
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.1	Trees Off ROW	81%	2Q 2019
	SAIDI	491	Bird	9%	3Q 2019
	SAIFI	491.25	Line Failure	2%	4Q 2019
	CAIDI	3	All Other	8%	1Q 2020
	Customer Minutes	1,244,837			
	Customers Affected	7,355			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-19
	Repair damage caused by trees during a storm			Complete	Apr-19
	Repair damage caused by trees			Complete	Sep-19
	Repair damage caused by bird			Complete	Oct-19
	Repair damage caused by trees during a storm			Complete	Mar-20
	Targeted circuit rehabilitation			Complete	Dec-19
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>
6	Milroy	00128-81	Lewistown	1,803	39
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.1	Unknown	53%	2Q 2019
	SAIDI	671	Trees Off ROW	42%	3Q 2019
	SAIFI	670.85	Lightning	3%	4Q 2019
	CAIDI	2	All Other	2%	1Q 2020
	Customer Minutes	1,209,540			
	Customers Affected	3,787			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jun-19
	Restore breaker operation of unknown cause			Complete	Aug-19
	Install advanced Dx protective devices			To be Completed 2020	0%
	Install new radio-controlled switch			To be Completed 2020	0%

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
7	Rolling Meadows	00310-31	Erie	3,304	38
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.0	Equipment Failure	72%	2Q 2019
	SAIDI	358	Line Failure	17%	3Q 2019
	SAIFI	358.17	Lightning	6%	4Q 2019
	CAIDI	3	All Other	5%	1Q 2020
	Customer Minutes	1,183,394			
	Customers Affected	11,304			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Apr-19
	Repair equipment failure			Complete	Jun-19
	Repair line failure			Complete	Jul-19
	Install advanced Dx protective devices			To be Completed 2020	0%
	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>
8	Lake Como	00787-65	Montrose	891	34
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.9	Line Failure	51%	3Q 2019
	SAIDI	1,220	Trees Off ROW	31%	4Q 2019
	SAIFI	1,220.45	Unknown	13%	1Q 2020
	CAIDI	4	All Other	5%	
	Customer Minutes	1,087,424			
	Customers Affected	3,908			
	<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
	Install advanced Dx protective devices			To be Completed 2020	0%

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
9	North Warren	00207-41	Warren	1,363	72	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.9	Trees Off ROW	33%	3Q 2019	
	SAIDI	792	Equipment Failure	28%	4Q 2019	
	SAIFI	792.41	Ice	23%	1Q 2020	
	CAIDI	5	All Other	16%		
	Customer Minutes	1,080,051				
	Customers Affected	6,852				
	<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
	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%
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>	
10	Lake Como	00786-65	Montrose	433	21	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.9	Trees Off ROW	51%	2Q 2019	
	SAIDI	2,493	Line Failure	46%	3Q 2019	
	SAIFI	2,492.62	Equipment Failure	3%	4Q 2019	
	CAIDI	3	All Other	0%	1Q 2020	
	Customer Minutes	1,079,303				
	Customers Affected	1,333				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Apr-19
	Repair damage caused by trees during a storm				Complete	Apr-19
	Repair line failure				Complete	Apr-19
	Circuit inspection				Complete	Mar-20

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
11	Marienville	00328-51	Oil City	1,098	53	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.8	Trees Off ROW	83%	3Q 2019	
	SAIDI	970	Line Failure	12%	4Q 2019	
	SAIFI	970.00	Equipment Failure	1%	1Q 2020	
	CAIDI	3	All Other	4%		
	Customer Minutes	1,065,061				
	Customers Affected	2,998				
	<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			To be Completed 2020	0%	
	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>
12	East Sayre	00518-61	Towanda	903	25	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.8	Unknown	74%	4Q 2019	
	SAIDI	1,138	Lightning	18%	1Q 2020	
	SAIFI	1,138.19	Line Failure	5%		
	CAIDI	3	All Other	3%		
	Customer Minutes	1,027,787				
	Customers Affected	2,465				
	<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			To be Completed 2020	0%	
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
	13	Thompson	00446-65	Montrose	659	44
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.8	Trees Off ROW	64%	2Q 2019	
SAIDI		1,545	Equipment Failure	17%	3Q 2019	
SAIFI		1,545.11	Line Failure	4%	1Q 2020	
CAIDI		4	All Other	15%		
Customer Minutes		1,018,230				
Customers Affected		2,438				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Repair damage caused by trees during a storm			Complete	Apr-19		
Repair damage caused by trees during a storm			Complete	Apr-19		
On cycle tree trimming			Complete	Oct-19		
Repair damage caused by trees			Complete	Dec-19		

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
14	Carlisle Pike	00643-83	Shippensburg	3,194	27
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.7	Trees Off ROW	58%	2Q 2019
	SAIDI	316	Line Failure	15%	3Q 2019
	SAIFI	316.01	Equipment Failure	12%	4Q 2019
	CAIDI	2	All Other	15%	1Q 2020
	Customer Minutes	1,009,328			
	Customers Affected	6,996			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	May-19
	Repair equipment failure			Complete	Sep-19
	Repair damage caused by vehicle accident			Complete	Nov-19
	Repair line failure			Complete	Mar-20
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
15	N Meshoppen Tran	00534-65	Montrose	888	58
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.7	Trees Off ROW	60%	4Q 2019
	SAIDI	1,110	Line Failure	23%	1Q 2020
	SAIFI	1,110.46	Equipment Failure	8%	
	CAIDI	3	All Other	9%	
	Customer Minutes	986,092			
	Customers Affected	2,356			
	<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>
16	Curryville	00644-71	Altoona	1,782	62
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.6	Equipment Failure	42%	3Q 2019
	SAIDI	529	Trees Off ROW	38%	4Q 2019
	SAIFI	529.03	Line Failure	19%	1Q 2020
	CAIDI	2	All Other	1%	
	Customer Minutes	942,733			
	Customers Affected	4,121			
	<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 equipment failure			Complete	Sep-19
Circuit inspection			Complete	Apr-20	
On cycle tree trimming			To be Completed 2020	0%	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
17	Fairview Altoona	00005-71	Altoona	966	6
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Vehicle	56%	4Q 2019
	SAIDI	926	Equipment Failure	42%	1Q 2020
	SAIFI	926.11	Line Failure	2%	
	CAIDI	2	All Other	0%	
	Customer Minutes	894,622			
	Customers Affected	2,283			
	<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
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
18	Utica Junction	00331-51	Oil City	642	50
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	69%	3Q 2019
	SAIDI	1,366	Equipment Failure	13%	4Q 2019
	SAIFI	1,365.68	Line Failure	9%	1Q 2020
	CAIDI	4	All Other	9%	
	Customer Minutes	876,766			
	Customers Affected	2,769			
	<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%	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
19	Grover	00527-63	Towanda	1,048	56
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Human Error -Non-Company	61%	2Q 2019
	SAIDI	835	Animal	18%	3Q 2019
	SAIFI	834.66	Trees Off ROW	9%	4Q 2019
	CAIDI	2	All Other	12%	1Q 2020
	Customer Minutes	874,721			
	Customers Affected	2,086			
	<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 a squirrel			Complete	Dec-19
Circuit inspection			To be Completed 2020	0%	

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
20	Revloc	00069-72	Altoona	552	6	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.5	Trees Off ROW	100%	2Q 2019	
	SAIDI	1,528			3Q 2019	
	SAIFI	1,528.00			4Q 2019	
	CAIDI	2			1Q 2020	
	Customer Minutes	843,458				
	Customers Affected	1,109				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Feb-19
	Repair damage caused by trees during a storm				Complete	May-19
	On cycle tree trimming				To be Completed 2020	0%
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
21	Warren South	00220-41	Warren	2,849	93	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.4	Trees Off ROW	67%	2Q 2019	
	SAIDI	284	Equipment Failure	14%	3Q 2019	
	SAIFI	284.22	Trees Off ROW-Limb	6%	4Q 2019	
	CAIDI	3	All Other	13%	1Q 2020	
	Customer Minutes	809,743				
	Customers Affected	7,262				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure				Complete	Jun-19
	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%	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
22	Logan	00701-81	Lewistown	1,422	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees Off ROW	43%	2Q 2019
	SAIDI	556	Line Failure	25%	3Q 2019
	SAIFI	555.99	Human Error -Non-Company	16%	4Q 2019
	CAIDI	2	All Other	16%	1Q 2020
	Customer Minutes	790,614			
	Customers Affected	3,371			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by non-company human error			Complete	May-19
	Repair line failure			Complete	May-19
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair line failure			Complete	Oct-19
	Targeted circuit rehabilitation			To be Completed 2020	0%
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
23	Viscose Hill	00116-81	Lewistown	684	11
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Wind	80%	4Q 2019
	SAIDI	1,154	Trees Off ROW	14%	1Q 2020
	SAIFI	1,153.93	Vehicle	5%	
	CAIDI	2	All Other	1%	
	Customer Minutes	789,291			
	Customers Affected	1,251			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by wind			Complete	Apr-19
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
24	Madera	00166-22	Philipsburg	1,656	46
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Vehicle	49%	2Q 2019
	SAIDI	476	Equipment Failure	18%	3Q 2019
	SAIFI	475.64	Trees Off ROW	18%	4Q 2019
	CAIDI	5	All Other	15%	1Q 2020
	Customer Minutes	787,664			
	Customers Affected	8,048			
	<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%	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
25	Wellsboro	00324-63	Mansfield Pa	250	30
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Trees Off ROW	85%	4Q 2019
	SAIDI	3,122	Animal	9%	1Q 2020
	SAIFI	3,122.22	Equipment Failure	3%	
	CAIDI	3	All Other	3%	
	Customer Minutes	780,556			
	Customers Affected	781			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	May-19
	Repair damage caused by trees			Complete	Dec-19
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
26	Dushore	00669-62	Towanda	240	10
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	98%	2Q 2019
	SAIDI	2,941	Forced Outage	2%	3Q 2019
	SAIFI	2,941.03			4Q 2019
	CAIDI	3			1Q 2020
	Customer Minutes	705,846			
	Customers Affected	819			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-19
	Repair damage caused by trees			Complete	May-19
On cycle tree trimming			Complete	Aug-19	
Repair damage caused by trees during a storm			Complete	Jan-20	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
27	Madera	00165-22	Philipsburg	1,599	52
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	77%	2Q 2019
	SAIDI	427	Unknown	4%	3Q 2019
	SAIFI	426.66	Line Failure	4%	4Q 2019
	CAIDI	2	All Other	15%	1Q 2020
	Customer Minutes	682,237			
	Customers Affected	3,340			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	May-19
On cycle tree trimming			To be Completed 2020	82%	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
28	Industrial	00170-81	Lewistown	765	19
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Wind	33%	3Q 2019
	SAIDI	889	Lightning	28%	4Q 2019
	SAIFI	889.24	Trees Off ROW	23%	1Q 2020
	CAIDI	4	All Other	16%	
	Customer Minutes	680,271			
	Customers Affected	3,105			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by wind			Complete	Apr-19
	Repair damage caused by trees			Complete	Jul-19
	Repair damage caused by lightning			Complete	Aug-19
	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>
29	Edgewood	00089-13	Indiana	866	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	67%	3Q 2019
	SAIDI	780	Line Failure	17%	4Q 2019
	SAIFI	779.62	Vehicle	11%	1Q 2020
	CAIDI	4	All Other	5%	
	Customer Minutes	675,154			
	Customers Affected	3,150			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	May-19
	Repair line failure			Complete	Jul-19
	Repair damage caused by trees during a storm			Complete	Jul-19
	Install advanced Dx protective devices			To be Completed 2020	0%
	Targeted circuit rehabilitation			To be Completed 2020	0%
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>
30	Reedsville	00127-81	Lewistown	923	20
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Trees Off ROW	98%	3Q 2019
	SAIDI	712	Lightning	1%	4Q 2019
	SAIFI	711.66	Line Failure	1%	1Q 2020
	CAIDI	2	All Other	0%	
	Customer Minutes	656,859			
	Customers Affected	1,479			
	<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	

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
31	Nanty Glo	00066-72	Altoona	667	13	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.1	Trees Off ROW	98%	2Q 2019	
	SAIDI	926	Forced Outage	1%	3Q 2019	
	SAIFI	926.15	Trees - Sec/Service	0%	1Q 2020	
	CAIDI	2	All Other	1%		
	Customer Minutes	617,744				
	Customers Affected	1,216				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	May-19
	Repair damage caused by trees				Complete	Jun-19
	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>
32	Two Mile	00127-42	Bradford	1,284	45	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Equipment Failure	59%	4Q 2019	
	SAIDI	456	Forced Outage	25%	1Q 2020	
	SAIFI	455.74	Trees Off ROW	10%		
	CAIDI	2	All Other	6%		
	Customer Minutes	585,169				
	Customers Affected	2,539				
	<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
Install advanced Dx protective devices				To be Completed 2020	0%	
Circuit inspection				To be Completed 2020	0%	

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
33	Utica Junction	00318-51	Oil City	827	61	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Trees Off ROW	36%	3Q 2019	
	SAIDI	701	Trees Off ROW-Limb	25%	4Q 2019	
	SAIFI	701.46	Vehicle	15%	1Q 2020	
	CAIDI	2	All Other	24%		
	Customer Minutes	580,109				
	Customers Affected	1,818				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair damage caused by vehicle accident			Complete	May-19	
	Repair damage caused by trees during a storm			Complete	Jul-19	
	Install advanced Dx protective devices			To be Completed 2020	0%	
	Circuit inspection			To be Completed 2020	0%	
	On cycle tree trimming			To be Completed 2020	18%	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
34	East Pike	00095-13	Indiana	4,225	30	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Equipment Failure	64%	2Q 2019	
	SAIDI	136	Trees Off ROW	18%	4Q 2019	
	SAIFI	136.19	Line Failure	17%	1Q 2020	
	CAIDI	2	All Other	1%		
	Customer Minutes	575,387				
	Customers Affected	8,086				
	<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			To be Completed 2020	0%	
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
	35	Monroeton	00770-62	Towanda	580	10
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		1.0	Line Failure	72%	2Q 2019	
SAIDI		985	Trees Off ROW	28%	3Q 2019	
SAIFI		985.04			4Q 2019	
CAIDI		2			1Q 2020	
Customer Minutes		571,326				
Customers Affected		1,279				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Repair line failure			Complete	Apr-19		
Repair damage caused by trees			Complete	Aug-19		

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
36	Tiffany	00440-65	Montrose	1,209	33	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Bird	62%	3Q 2019	
	SAIDI	462	Equipment Failure	20%	4Q 2019	
	SAIFI	461.52	Trees Off ROW	14%	1Q 2020	
	CAIDI	4	All Other	4%		
	Customer Minutes	557,972				
	Customers Affected	5,292				
	<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	
	Targeted circuit rehabilitation			To be Completed 2020	0%	
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
37	Russell Hill	00282-65	Montrose	998	59	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	1.0	Trees Off ROW	76%	2Q 2019	
	SAIDI	553	Unknown	9%	3Q 2019	
	SAIFI	553.38	Line Failure	8%	4Q 2019	
	CAIDI	2	All Other	7%	1Q 2020	
	Customer Minutes	552,277				
	Customers Affected	1,875				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair damage caused by trees			Complete	Mar-19	
	Repair damage caused by trees			Complete	Dec-19	
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
	38	Brookville	00125-23	Dubois	617	32
		<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
SAIDI Impact		0.9	Unknown	38%	2Q 2019	
SAIDI		888	Trees Off ROW	23%	3Q 2019	
SAIFI		887.78	Line Failure	18%	4Q 2019	
CAIDI		5	All Other	21%	1Q 2020	
Customer Minutes		547,759				
Customers Affected		3,343				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Repair equipment failure			Complete	Apr-19		
Repair line failure			Complete	Dec-19		
On cycle tree trimming			Complete	Nov-19		

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
39	Tyrone North Sub	00643-22	Philipsburg	1,478	8	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.9	Line Failure	54%	2Q 2019	
	SAIDI	370	Trees Off ROW	26%	3Q 2019	
	SAIFI	370.35	Human Error -Non-Company	19%	4Q 2019	
	CAIDI	3	All Other	1%	1Q 2020	
	Customer Minutes	547,377				
	Customers Affected	3,698				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by non-company human error				Complete	Apr-19
	Repair damage caused by trees				Complete	Aug-19
	Circuit inspection				Complete	Sep-19
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
40	Cambria County Priso	00202-72	Altoona	89	5	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.9	Line Failure	99%	2Q 2019	
	SAIDI	6,102	Animal	1%	3Q 2019	
	SAIFI	6,102.38			4Q 2019	
	CAIDI	21			1Q 2020	
	Customer Minutes	543,112				
	Customers Affected	1,849				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Apr-19
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
	41	New Albany Sw Stati	00526-62	Towanda	160	4
<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>		
SAIDI Impact		0.9	Trees Off ROW	94%	2Q 2019	
SAIDI		3,371	Forced Outage	4%	3Q 2019	
SAIFI		3,371.23	Equipment Failure	2%	4Q 2019	
CAIDI		4	All Other	0%	1Q 2020	
Customer Minutes		539,397				
Customers Affected		626				
<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>	
Repair damage caused by trees during a storm				Complete	Apr-19	
Repair damage caused by trees				Complete	May-19	
Circuit inspection				To be Completed 2020	0%	
On cycle tree trimming				To be Completed 2020	0%	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
42	Thompson	00442-65	Montrose	645	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees Off ROW	47%	3Q 2019
	SAIDI	824	Line Failure	37%	4Q 2019
	SAIFI	823.60	Unknown	7%	1Q 2020
	CAIDI	3	All Other	9%	
	Customer Minutes	531,225			
	Customers Affected	1,921			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees			Complete	Apr-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>
43	Ansonia	00740-63	Mansfield Pa	170	24
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Unknown	89%	4Q 2019
	SAIDI	3,054	Trees Off ROW	6%	1Q 2020
	SAIFI	3,054.16	Line Failure	4%	
	CAIDI	2	All Other	1%	
	Customer Minutes	519,207			
	Customers Affected	338			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restored breaker operation of unknown cause			Complete	Dec-19
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
44	Birmingham	00168-22	Philipsburg	1,081	41
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Forced Outage	54%	2Q 2019
	SAIDI	466	Trees Off ROW	13%	3Q 2019
	SAIFI	466.36	Line Failure	12%	4Q 2019
	CAIDI	2	All Other	21%	1Q 2020
	Customer Minutes	504,130			
	Customers Affected	2,575			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jan-19
	Repair damage caused by vehicle accident			Complete	Jan-19
Repair damage caused by line failure			Complete	May-19	
Install advanced Dx protective devices			To be Completed 2020	0%	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
45	Mansfield	00559-63	Mansfield Pa	560	27
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Other Electric Utility	30%	4Q 2019
	SAIDI	893	Unknown	28%	1Q 2020
	SAIFI	892.91	Line Failure	23%	
	CAIDI	3	All Other	19%	
	Customer Minutes	500,028			
	Customers Affected	1,913			
	<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
	Targeted circuit rehabilitation			To be Completed 2020	0%
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
46	Green Garden	00539-31	Erie	1,068	9
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Line Failure	93%	3Q 2019
	SAIDI	464	Unknown	6%	4Q 2019
	SAIFI	463.60	Animal	1%	1Q 2020
	CAIDI	2	All Other	0%	
	Customer Minutes	495,129			
	Customers Affected	2,072			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Jul-19
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
47	Wyalusing Sub	00532-62	Towanda	706	50
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Unknown	57%	2Q 2019
	SAIDI	699	Trees Off ROW	21%	4Q 2019
	SAIFI	699.09	Line Failure	8%	1Q 2020
	CAIDI	3	All Other	14%	
	Customer Minutes	493,555			
	Customers Affected	2,065			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-19
Restore breaker operation of unknown cause			Complete	Apr-19	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
48	Laurel Lake Sub Tran	00449-65	Montrose	550	41
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees Off ROW	35%	3Q 2019
	SAIDI	897	Line Failure	24%	1Q 2020
	SAIFI	897.18	Equipment Failure	19%	
	CAIDI	4	All Other	22%	
	Customer Minutes	493,449			
	Customers Affected	2,268			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by lightning			Complete	May-19
	Repair line failure			Complete	Aug-19
	Repair damage caused by trees during a storm			Complete	Aug-19
	Repair equipment failure			Complete	Feb-20
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
49	Union City Sub	00206-43	Erie	2,884	113
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	52%	2Q 2019
	SAIDI	170	Human Error -Non-Company	11%	3Q 2019
	SAIFI	169.60	Animal	7%	4Q 2019
	CAIDI	2	All Other	30%	1Q 2020
	Customer Minutes	489,131			
	Customers Affected	5,118			
	<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
	Install new radio controlled switch			To be Completed 2020	95%
	Targeted circuit rehabilitation			To be Completed 2020	0%
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>
50	Lowell Avenue	00518-31	Erie	805	28
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	42%	4Q 2019
	SAIDI	601	Equipment Failure	37%	1Q 2020
	SAIFI	600.64	Line Failure	15%	
	CAIDI	3	All Other	6%	
	Customer Minutes	483,517			
	Customers Affected	2,085			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Apr-19
Repair damage caused by trees during a storm			Complete	Jan-20	

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
51	Waverly	00164-66	Towanda	958	30	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Trees Off ROW	45%	None	
	SAIDI	493	Equipment Failure	43%		
	SAIFI	493.00	Unknown	4%		
	CAIDI	3	All Other	8%		
	Customer Minutes	472,295				
	Customers Affected	2,735				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	May-19
	Repair damage caused by trees during a storm				Complete	Aug-19
	Repair equipment failure				Complete	Mar-20
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
52	Warren South	00219-41	Warren	319	27	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Trees Off ROW	71%	4Q 2019	
	SAIDI	1,475	Equipment Failure	20%	1Q 2020	
	SAIFI	1,474.58	Unknown	3%		
	CAIDI	4	All Other	6%		
	Customer Minutes	470,391				
	Customers Affected	1,373				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees				Complete	Jun-19
	Repair equipment failure				Complete	Dec-19
	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>
53	Shawville	00151-21	Clearfield	2,066	40	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Line Failure	28%	4Q 2019	
	SAIDI	227	Unknown	25%	1Q 2020	
	SAIFI	226.67	Forced Outage	22%		
	CAIDI	3	All Other	25%		
	Customer Minutes	468,298				
	Customers Affected	6,864				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	Jun-19
	Repair equipment failure				Complete	Jan-19
	Repair damage caused by a vehicle				Complete	Jul-19
	Restored breaker operation of unknown cause				Complete	Dec-19
Install advanced Dx protective devices				To be Completed 2020	0%	

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
54	East Pike	00094-13	Indiana	712	4	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Line Failure	97%	3Q 2019	
	SAIDI	657	Forced Outage	2%	4Q 2019	
	SAIFI	656.57	Unknown	1%	1Q 2020	
	CAIDI	3	All Other	0%		
	Customer Minutes	467,475				
	Customers Affected	2,470				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle				Complete	Jan-19
	Repair line failure				Complete	Sep-19
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
55	Port Allegany Sub	00151-42	Bradford	481	32	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Trees Off ROW	80%	3Q 2019	
	SAIDI	964	Lightning	17%	4Q 2019	
	SAIFI	964.03	Animal	1%	1Q 2020	
	CAIDI	2	All Other	2%		
	Customer Minutes	463,697				
	Customers Affected	865				
	<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	70%	
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
56	L And R	00120-81	Lewistown	758	18	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Line Failure	47%	3Q 2019	
	SAIDI	604	Vehicle	41%	4Q 2019	
	SAIFI	604.20	Lightning	8%	1Q 2020	
	CAIDI	2	All Other	4%		
	Customer Minutes	457,983				
	Customers Affected	1,795				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle				Complete	Jun-19
Repair line failure				Complete	Aug-19	

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
57	Philipsburg	00162-22	Philipsburg	2,992	73
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	34%	2Q 2019
	SAIDI	152	Lightning	33%	3Q 2019
	SAIFI	152.28	Line Failure	18%	4Q 2019
	CAIDI	2	All Other	15%	1Q 2020
	Customer Minutes	455,633			
	Customers Affected	6,115			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Split large circuits			Complete	Apr-19
	Targeted circuit rehabilitation			Complete	Apr-19
	Repair damage caused by trees			Complete	Aug-19
	Repair line failure			Complete	Aug-19
	Repair damage caused by lightning			Complete	Aug-19
	Install advanced Dx protective devices			To be Completed 2020	0%
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>
58	Dubois	00131-23	Dubois	582	24
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	70%	3Q 2019
	SAIDI	749	Forced Outage	19%	1Q 2020
	SAIFI	749.28	Overload	5%	
	CAIDI	2	All Other	6%	
	Customer Minutes	436,082			
	Customers Affected	1,275			
	<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
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
59	Erie East	00234-31	Erie	1,193	54
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Object Contact With Line	65%	3Q 2019
	SAIDI	355	Trees Off ROW	11%	1Q 2020
	SAIFI	355.25	Vehicle	8%	
	CAIDI	2	All Other	16%	
	Customer Minutes	423,808			
	Customers Affected	2,259			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Jan-19
Repair damage cause by object in contact with line			Complete	Sep-19	

<b>Penelec</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>	
60	Falls	00297-65	Montrose	799	20	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.7	Trees Off ROW	83%	4Q 2019	
	SAIDI	527	Line Failure	11%	1Q 2020	
	SAIFI	526.58	Forced Outage	3%		
	CAIDI	2	All Other	3%		
	Customer Minutes	420,734				
	Customers Affected	1,504				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Mar-19
	Repair damage caused by trees during a storm				Complete	Dec-19
	On cycle tree trimming				To be Completed 2020	99%
	<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
61	Meyersdale North	00022-12	Somerset	1,554	45	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.7	Trees Off ROW	29%	None	
	SAIDI	271	Lightning	23%		
	SAIFI	270.54	Vehicle	22%		
	CAIDI	2	All Other	26%		
	Customer Minutes	420,415				
	Customers Affected	3,800				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair line failure				Complete	May-19
	Repair damage caused by lightning				Complete	Jun-19
	Repair damage caused by a vehicle				Complete	Oct-19
	Repair damage caused by trees during a storm				Complete	Feb-20

<b>Penelec</b>					
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>District</b>	<b>Customers</b>	<b>Outages</b>
62	Timblin	00103-23	Dubois	771	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Trees Off ROW	46%	2Q 2019
	SAIDI	540	Line Failure	26%	3Q 2019
	SAIFI	539.72	Lightning	14%	4Q 2019
	CAIDI	5	All Other	14%	1Q 2020
	Customer Minutes	416,127			
	Customers Affected	3,594			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Targeted circuit rehabilitation			Complete	May-19
	Repair damage caused by trees			Complete	Jun-19
	Repair line failure			Complete	Jan-19
	Repair damage caused by lightning			Complete	Aug-19
	On cycle tree trimming			Complete	Oct-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>1Q 2019</b>	<b>2Q 2019</b>	<b>3Q 2019</b>	<b>4Q 2019</b>
Blairsville East	00080-13	X	X		
Brookville West	00121-23	X	X		
Buffalo Road	00265-31	X		X	
East Hickory	00201-41	X	X		
Erie South	00259-31	X	X		
Glory	00105-13	X	X		
Kearsarge	00528-31	X	X		
Laurel Pipeline	00036-71	X	X	X	
Lawrenceville	00632-63	X	X		
Lenox	00755-65	X	X		
Mansfield	00558-63	X	X	X	
Marienville	00327-51	X	X	X	
McVeytown	00112-81	X	X	X	
Meshoppen	00283-65	X	X		
Mildred	00771-62	X	X		
Millfair Road	00283-34	X	X	X	
Nanty Glo	00066-72		X	X	
Natl Forge Sw Sta	00577-41	X	X	X	
North Warren	00596-41	X	X	X	
Northeast	00591-31	X	X		
Pennmar	00002-12	X	X		
Revloc	00071-72		X	X	
Seward	00075-11	X	X		
Seward	00079-11	X	X		
Shade Gap 115Kv	00622-82	X	X	X	
Springboro	00217-52	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>
Blairsville East	00082-13	Install advanced Dx protective devices	To be Completed 2020	0%
Blairsville East	00082-13	On cycle tree clearing	To be Completed 2020	35%
McConnellstown	00099-82	Install advanced Dx protective devices	To be Completed 2020	0%
McConnellstown	00099-82	Circuit inspection	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	Stoneboro	W-131	Clark	1439	71	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	5.6	Trees Off ROW	69%	2Q 2019	
	SAIDI	644	Trees Off ROW-Limb	11%	3Q 2019	
	SAIFI	2.65	Line Failure	10%	4Q 2019	
	CAIDI	243	All Other	10%	1Q 2020	
	Customer Minutes	926,117				
	Customers Affected	3,811				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	May-19
	Repair damage caused by trees during a storm				Complete	Jul-19
	Repair damage caused by trees during a storm				Complete	Oct-19
	Repair line failure				Complete	Nov-19
	Repair damage caused by trees during a storm				Complete	Jan-20
Rank	Substation	Circuit	District	Customers	Outages	
2	Stoneboro	W-132	Clark	1002	61	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	4.9	Trees Off ROW-Limb	45%	2Q 2019	
	SAIDI	809	Trees Off ROW	13%	3Q 2019	
	SAIFI	4.75	Equipment Failure	12%	4Q 2019	
	CAIDI	170	All Other	30%	1Q 2020	
	Customer Minutes	810,982				
	Customers Affected	4,764				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage from bird nest				Complete	Apr-19
	Repair damage caused by trees during a storm				Complete	May-19
	Repair damage caused by trees during a storm				Complete	Aug-19
	Restore breaker operation of unknown cause				Complete	Mar-20
	Repair broken pole top				Complete	Mar-20

Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
3	Camp Reynolds	W-134	Clark	1736	78
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	4.6	Trees Off ROW	70%	2Q 2019
	SAIDI	438	Unknown	17%	3Q 2019
	SAIFI	2.28	Equipment Failure	6%	4Q 2019
	CAIDI	192	All Other	7%	1Q 2020
	Customer Minutes	760,412			
	Customers Affected	3,965			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm			Complete	Apr-19
	Repair damage caused by trees during a storm			Complete	May-19
	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
4	BMF	W760	Zelienople	2380	25
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	4.3	Trees Off ROW	93%	1Q 2020
	SAIDI	296	Line Failure	4%	
	SAIFI	2.20	Animal	2%	
	CAIDI	134	All Other	1%	
	Customer Minutes	704,904			
	Customers Affected	5,241			
	<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

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
5	Thompson Run	D550	Zelienople	976	25	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.9	Trees Off ROW	41%	2Q 2019	
	SAIDI	653	Equipment Failure	41%	3Q 2019	
	SAIFI	3.39	Line Failure	11%	4Q 2019	
	CAIDI	193	All Other	7%	1Q 2020	
	Customer Minutes	637,375				
	Customers Affected	3,305				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Jun-19
	Replace crossarm.				Complete	Jun-19
	Repair line failure during storm				Complete	Jul-19
	Rank	Substation	Circuit	District	Customers	Outages
6	Jackson	W731	Zelienople	1868	15	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.9	Trees Off ROW	94%	2Q 2019	
	SAIDI	340	Equipment Failure	4%	1Q 2020	
	SAIFI	2.16	Animal	1%		
	CAIDI	157	All Other	1%		
	Customer Minutes	634,513				
	Customers Affected	4,043				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	May-19
	Porcelain cutout replacement				Complete	Aug-19
	Repair damage caused by trees during a storm				Complete	Mar-20
	Rank	Substation	Circuit	District	Customers	Outages
7	West Middlesex	W-138	Clark	1362	43	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.2	Equipment Failure	38%	4Q 2019	
	SAIDI	384	Trees Off ROW	32%	1Q 2020	
	SAIFI	2.57	Unknown	10%		
	CAIDI	150	All Other	20%		
	Customer Minutes	523,674				
	Customers Affected	3,497				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair equipment failure during storm				Complete	Apr-19
	Porcelain cutout replacement				Complete	Apr-19
	Repair damage caused by trees during a storm				Complete	Apr-19
	Repair damage caused by animal contact				Complete	Nov-19
Restore breaker operation of unknown cause				Complete	Nov-19	

Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
8	Henderson	W-281	Clark	849	28	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	3.1	Trees Off ROW	58%	1Q 2020	
	SAIDI	594	Lightning	31%		
	SAIFI	1.34	Animal	7%		
	CAIDI	444	All Other	4%		
	Customer Minutes	504,578				
	Customers Affected	1,136				
	<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	
9	Bedford	D-445	New Castle	984	50	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	2.7	Trees Off ROW	95%	2Q 2019	
	SAIDI	455	Equipment Failure	1%	3Q 2019	
	SAIFI	1.88	Trees Off ROW-Limb	1%	4Q 2019	
	CAIDI	242	All Other	3%	1Q 2020	
	Customer Minutes	447,321				
	Customers Affected	1,852				
	<b>Remedial Action Planned or Taken</b>				<b>Status</b>	<b>Progress</b>
	Repair damage caused by trees during a storm				Complete	Apr-19
	Repair damage caused by trees during a storm				Complete	Jun-19

<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>2Q 2019</b>	<b>3Q 2019</b>	<b>4Q 2019</b>	<b>1Q 2019</b>
Evans City	D-611	X	X	X	
Koppel	D-531	X	X		
Perry	W-156	X	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	Cochran Mill	Charleroi	1,191	5
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	2.5	Line Failure	99%	Q4 2019
	SAIDI	1,485	Equipment Failure	1%	Q1 2020
	SAIFI	2.27			
	CAIDI	654			
	Customer Minutes	1,768,630			
	Customers Affected	2,704			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Oct-19
	Repair line failure			Complete	Oct-19
	Overhead circuit inspection			To Be Completed 2020	0%
	Rank	Substation	Circuit	District	Customers
2	Dutch Fork	Claysville	Washington Pa	1,583	82
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.8	Trees Off ROW	55%	Q3 2019
	SAIDI	838	Vehicle	16%	Q4 2019
	SAIFI	3.03	Line Failure	16%	Q1 2020
	CAIDI	276	All Other	13%	
	Customer Minutes	1,326,903			
	Customers Affected	4,802			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair damage caused by a vehicle during a storm			Complete	Jul-19
	Forced outage to repair damage			Complete	Oct-19
	Repair line failure during a storm			Complete	Nov-19
Repair damage caused by a tree during a storm			Complete	Jan-20	
Zone 1 Infrared Inspection			To Be Completed 2020	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
3	Piney Fork	Stoltz	Charleroi	2,098	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.8	Trees Off ROW	75%	Q3 2019
	SAIDI	622	Bird	17%	Q4 2019
	SAIFI	2.78	Line Failure	6%	Q1 2020
	CAIDI	224	All Other	2%	
	Customer Minutes	1,304,798			
	Customers Affected	5,835			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Aug-19
	Repair damage caused by a tree during a storm			Complete	Sep-19
	Repair damage caused by a bird			Complete	Oct-19
	Repair damage caused by a tree			Complete	Oct-19
	Rank	Substation	Circuit	District	Customers
4	Waterville	Waterville	State College	354	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.8	Other Electric Utility	59%	Q2 2019
	SAIDI	3,628	Trees Off ROW	40%	Q3 2019
	SAIFI	8.32	Unknown	1%	Q4 2019
	CAIDI	436	All Other	0%	Q1 2020
	Customer Minutes	1,284,238			
	Customers Affected	2,947			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restore outage caused by other electric utility			Complete	May-19
	Repair damage caused by a tree			Complete	Jun-19
	Restore outage caused by other electric utility during a storm			Complete	Jun-19
	Restore outage caused by other electric utility			Complete	Aug-19
	Repair damage caused by a tree during a storm			Complete	Dec-19
Repair damage caused by a tree during a storm			Complete	Feb-20	
On cycle tree trimming			To Be Completed 2020	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
5	Rutan	Bristoria	Jefferson	1,147	98
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.7	Trees Off ROW	72%	Q2 2019
	SAIDI	1,052	Line Failure	11%	Q3 2019
	SAIFI	3.00	Unknown	8%	Q4 2019
	CAIDI	351	All Other	9%	Q1 2020
	Customer Minutes	1,206,463			
	Customers Affected	3,437			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	May-19
	Repair line failure during a storm			Complete	Jun-19
	Overhead circuit inspection			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Restore unknown outage			Complete	Aug-19
Forestry off cycle "J work"			Complete	Sep-19	
Repair line failure			Complete	Nov-19	
Repair damage caused by a tree			Complete	Jan-20	
Rank	Substation	Circuit	District	Customers	Outages
6	Franklin	Rogersville	Jefferson	810	70
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Line Failure	40%	Q2 2019
	SAIDI	1,367	Trees Off ROW	37%	Q3 2019
	SAIFI	3.58	Equipment Failure	13%	Q4 2019
	CAIDI	382	All Other	10%	Q1 2020
	Customer Minutes	1,107,650			
	Customers Affected	2,899			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Jun-19
	Repair damage caused by a tree			Complete	Jun-19
	Repair line failure during a storm			Complete	Jul-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair line failure			Complete	Dec-19
Repair damage caused by a tree			Complete	Dec-19	
Repair damage caused by a tree during a storm			Complete	Mar-20	
Zone 1 Infrared Inspection			To Be Completed 2020	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
7	St. Clair	Mclaughlin	Boyce	648	27
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	96%	Q4 2019
	SAIDI	1,679	Unknown	3%	Q1 2020
	SAIFI	5.28	Line Failure	1%	
	CAIDI	318	All Other	0%	
	Customer Minutes	1,087,764			
	Customers Affected	3,423			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Dec-19
	Repair line failure			Complete	Jan-20
	Rank	Substation	Circuit	District	Customers
8	Westraver	Pittsburgh Coal	Charleroi	1,841	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.5	Trees Off ROW	73%	Q2 2019
	SAIDI	584	Line Failure	20%	Q3 2019
	SAIFI	3.79	Vehicle	6%	Q4 2019
	CAIDI	154	All Other	1%	Q1 2020
	Customer Minutes	1,075,185			
	Customers Affected	6,974			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Jun-19
	Repair damage caused by a tree			Complete	Jul-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair damage caused by a tree during a storm			Complete	Oct-19
	Overhead circuit inspection			Complete	Nov-19
Repair damage caused by a vehicle			Complete	Dec-19	
Repair damage caused by a tree during a storm			Complete	Mar-20	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
9	North Washington	Poke Run	Arnold	1,229	64
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.4	Trees Off ROW	83%	Q2 2019
	SAIDI	821	Unknown	9%	Q3 2019
	SAIFI	3.81	Vehicle	5%	Q4 2019
	CAIDI	216	All Other	3%	Q1 2020
	Customer Minutes	1,009,390			
	Customers Affected	4,681			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Apr-19
	Repair damage caused by a tree during a storm			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair line failure			Complete	Aug-19
	Repair damage caused by a tree			Complete	Sep-19
	Repair damage caused by a tree during a storm			Complete	Oct-19
Repair damage caused by a tree during a storm			Complete	Mar-20	
Rank	Substation	Circuit	District	Customers	Outages
10	Avella	W Middletown	Washington Pa	1,149	58
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Trees Off ROW	65%	Q2 2019
	SAIDI	843	Line Failure	14%	Q3 2019
	SAIFI	3.02	Animal	8%	Q4 2019
	CAIDI	279	All Other	13%	Q1 2020
	Customer Minutes	968,185			
	Customers Affected	3,469			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Jun-19
	Repair line failure during a storm			Complete	Jul-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Restore unknown outage during a storm			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Mar-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
11	Cecil	Muse	Boyce	1,399	7
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.3	Wind	80%	Q4 2019
	SAIDI	675	Trees On ROW	9%	Q1 2020
	SAIFI	1.87	Vehicle	5%	
	CAIDI	361	All Other	6%	
	Customer Minutes	944,753			
	Customers Affected	2,616			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by wind during a storm			Complete	Oct-19
	Repair equipment failure			Complete	Feb-20
Rank	Substation	Circuit	District	Customers	Outages
12	Murrycrest	Christy Road	Jeannette	1,032	36
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	71%	Q4 2019
	SAIDI	852	Wind	26%	Q1 2020
	SAIFI	3.22	Trees On ROW	1%	
	CAIDI	264	All Other	2%	
	Customer Minutes	879,157			
	Customers Affected	3,324			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Oct-19
	Repair damage caused by wind during a storm			Complete	Oct-19
Repair damage caused by a tree during a storm			Complete	Mar-20	
Rank	Substation	Circuit	District	Customers	Outages
13	St. Clair	Skyridge	Boyce	899	22
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	68%	Q2 2019
	SAIDI	975	Trees Off ROW-Limb	25%	Q3 2019
	SAIFI	6.06	Line Failure	4%	Q4 2019
	CAIDI	161	All Other	3%	Q1 2020
	Customer Minutes	876,802			
	Customers Affected	5,449			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
Repair damage caused by a tree during a storm			Complete	Sep-19	
Repair damage caused by a tree during a storm			Complete	Oct-19	
On cycle tree trimming			To be Completed 2020	87%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
14	Bethel Park	Clifton	Boyce	922	15
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	43%	Q2 2019
	SAIDI	941	Unknown	29%	Q3 2019
	SAIFI	8.54	Equipment Failure	11%	Q4 2019
	CAIDI	110	All Other	17%	Q1 2020
	Customer Minutes	867,235			
	Customers Affected	7,872			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	May-19
	Restore unknown outage during a storm			Complete	Jun-19
	Repair line failure			Complete	Aug-19
	Repair damage caused by a tree during a storm			Complete	Sep-19
	On cycle tree trimming			Complete	Oct-19
Repair damage caused by a tree			Complete	Oct-19	
Restore unknown outage			Complete	Nov-19	
Overhead circuit inspection			Complete	Jan-20	
Rank	Substation	Circuit	District	Customers	Outages
15	Bethlen	Laurel Valley	Latrobe	1,303	69
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	32%	Q3 2019
	SAIDI	650	Equipment Failure	24%	Q4 2019
	SAIFI	5.76	Trees On ROW	19%	Q1 2020
	CAIDI	113	All Other	25%	
	Customer Minutes	847,530			
	Customers Affected	7,507			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair equipment failure			Complete	Aug-19
	Forced outage to repair damage during a storm			Complete	Sep-19
	Repair damage caused by a tree during a storm			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
Zone 1 Infrared Inspection			To Be Completed 2020	0%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
16	Smith	Florence	Washington Pa	807	52
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.2	Trees Off ROW	55%	Q2 2019
	SAIDI	1,045	Forced Outage	15%	Q3 2019
	SAIFI	6.07	Line Failure	11%	Q4 2019
	CAIDI	172	All Other	19%	Q1 2020
	Customer Minutes	843,411			
	Customers Affected	4,897			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Restore unknown failure			Complete	May-19
	Repair damage caused by a tree during a storm			Complete	Jun-19
	Forced outage to repair damage			Complete	Jul-19
	Repair line failure during a storm			Complete	Jul-19
	Repair line failure during a storm			Complete	Nov-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Enhanced WPC remediation			To Be Completed 2020	0%
Rank	Substation	Circuit	District	Customers	Outages
17	Whiteley	Mt. Morris	Jefferson	1,063	42
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.1	Equipment Failure	46%	Q3 2019
	SAIDI	748	Trees Off ROW	43%	Q4 2019
	SAIFI	2.01	Line Failure	7%	Q1 2020
	CAIDI	372	All Other	4%	
	Customer Minutes	794,794			
	Customers Affected	2,139			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair equipment failure			Complete	Sep-19
	Repair damage caused by a tree during a storm			Complete	Oct-19
	Repair damage caused by a tree			Complete	Mar-20
	Overhead circuit inspection			To be Completed 2020	3%

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
18	Bethlen	Darlington	Latrobe	1,245	68
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	1.0	Trees Off ROW-Limb	39%	Q2 2019
	SAIDI	584	Trees Off ROW	25%	Q3 2019
	SAIFI	4.03	Unknown	17%	Q4 2019
	CAIDI	145	All Other	19%	Q1 2020
	Customer Minutes	726,987			
	Customers Affected	5,021			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Apr-19
	Repair damage caused by a tree			Complete	Jun-19
	Restore unknown outage			Complete	Jun-19
	Repair equipment failure during a storm			Complete	Jul-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
Repair damage caused by a tree			Complete	Oct-19	
Repair damage caused by a tree			Complete	Jan-20	
Rank	Substation	Circuit	District	Customers	Outages
19	Hilliards	Hilliards	Butler	894	29
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees Off ROW	97%	None
	SAIDI	729	Unknown	2%	
	SAIFI	2.38	Equipment Failure	0%	
	CAIDI	306	All Other	1%	
	Customer Minutes	651,723			
	Customers Affected	2,130			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jan-20
Repair damage caused by a tree during a storm			Complete	Mar-20	
Rank	Substation	Circuit	District	Customers	Outages
20	California	Malden	Charleroi	993	31
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.9	Trees Off ROW	67%	Q3 2019
	SAIDI	629	Unknown	23%	Q4 2019
	SAIFI	3.04	Trees Off ROW-Limb	7%	Q1 2020
	CAIDI	207	All Other	3%	
	Customer Minutes	625,080			
	Customers Affected	3,017			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jul-19
Restore unknown outage during a storm			Complete	Nov-19	
Restore unknown outage during a storm			Complete	Mar-20	

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
21	Avella	Penowa	Washington Pa	660	36	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Trees Off ROW	73%	Q3 2019	
	SAIDI	923	Line Failure	19%	Q1 2020	
	SAIFI	3.58	Unknown	4%		
	CAIDI	258	All Other	4%		
	Customer Minutes	609,243				
	Customers Affected	2,365				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair line failure during a storm			Complete	Jul-19	
	Repair damage caused by a tree during a storm			Complete	Jul-19	
	On cycle tree trimming			Complete	Sep-19	
	Repair damage caused by a tree			Complete	Feb-20	
	Rank	Substation	Circuit	District	Customers	Outages
22	North Fayette	Tyre	Boyce	1,626	48	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Trees Off ROW	59%	Q4 2019	
	SAIDI	372	Unknown	32%	Q1 2020	
	SAIFI	2.34	Line Failure	6%		
	CAIDI	159	All Other	3%		
	Customer Minutes	605,632				
	Customers Affected	3,811				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair damage caused by a tree during a storm			Complete	Nov-19	
	Restore unknown outage during a storm			Complete	Mar-20	
	Rank	Substation	Circuit	District	Customers	Outages
	23	Piney Fork	Knothole	Charleroi	1,609	29
		<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
SAIDI Impact		0.8	Equipment Failure	41%	Q3 2019	
SAIDI		373	Line Failure	35%	Q1 2020	
SAIFI		2.70	Trees Off ROW	23%		
CAIDI		138	All Other	1%		
Customer Minutes		600,381				
Customers Affected		4,343				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Repair damage caused by a tree			Complete	Jul-19		
Repair line failure			Complete	Aug-19		
On cycle tree trimming			Complete	Feb-20		
Repair equipment failure			Complete	Mar-20		

West Penn Power						
Rank	Substation	Circuit	District	Customers	Outages	
24	Bethlen	Laughlintown	Latrobe	1,091	55	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Equipment Failure	48%	Q4 2019	
	SAIDI	546	Trees Off ROW	23%	Q1 2020	
	SAIFI	3.56	Line Failure	10%		
	CAIDI	153	All Other	19%		
	Customer Minutes	595,196				
	Customers Affected	3,880				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair equipment failure			Complete	Nov-19	
	Repair damage caused by a tree			Complete	Nov-19	
	Repair equipment failure during a storm			Complete	Mar-20	
	Overhead circuit inspection			To Be Completed 2020	0%	
	Rank	Substation	Circuit	District	Customers	Outages
25	Finleyville	Finleyville	Charleroi	1,302	27	
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>	
	SAIDI Impact	0.8	Trees Off ROW	79%	Q4 2019	
	SAIDI	444	Line Failure	9%	Q1 2020	
	SAIFI	2.07	Equipment Failure	4%		
	CAIDI	215	All Other	8%		
	Customer Minutes	578,059				
	Customers Affected	2,691				
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>	
	Repair damage caused by a tree during a storm			Complete	Nov-19	
	Repair damage caused by a tree during a storm			Complete	Jan-20	
	Rank	Substation	Circuit	District	Customers	Outages
	26	Lovedale	Township	Charleroi	1,621	28
		<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
SAIDI Impact		0.8	Trees Off ROW	60%	None	
SAIDI		352	Unknown	35%		
SAIFI		2.93	Vehicle	3%		
CAIDI		120	All Other	2%		
Customer Minutes		570,547				
Customers Affected		4,750				
<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>		
Restore unknown outage during a storm			Complete	Jan-20		
Repair damage caused by a tree during a storm			Complete	Mar-20		
Overhead circuit inspection			To Be Completed 2020	0%		

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
27	Smith	Francis Mine	Washington Pa	1,431	52
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	76%	Q2 2019
	SAIDI	396	Trees On ROW	10%	Q3 2019
	SAIFI	2.14	Equipment Failure	5%	Q4 2019
	CAIDI	185	All Other	9%	Q1 2020
	Customer Minutes	566,134			
	Customers Affected	3,065			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree			Complete	Apr-19
	Repair damage caused by a tree during a storm			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Zone 1 Infrared Inspection			Complete	Jul-19
	Repair equipment failure			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
Rank	Substation	Circuit	District	Customers	Outages
28	Smith	Burgettstown	Washington Pa	1,889	46
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Equipment Failure	46%	Q3 2019
	SAIDI	299	Trees Off ROW	27%	Q1 2020
	SAIFI	1.84	Trees On ROW	13%	
	CAIDI	162	All Other	14%	
	Customer Minutes	564,571			
	Customers Affected	3,477			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle			Complete	Apr-19
	Repair damage caused by a tree			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair equipment failure during a storm			Complete	Mar-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
29	Kiski Valley Distrib	Kittanning Rd	Arnold	1,786	36
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	52%	Q3 2019
	SAIDI	312	Line Failure	35%	Q4 2019
	SAIFI	1.76	Equipment Failure	8%	Q1 2020
	CAIDI	177	All Other	5%	
	Customer Minutes	556,841			
	Customers Affected	3,142			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Jul-19
	Repair line failure			Complete	Sep-19
	Repair damage caused by a tree			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Rank	Substation	Circuit	District	Customers
30	Weedville	Weedville	St Marys	1,373	39
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	71%	None
	SAIDI	406	Equipment Failure	22%	
	SAIFI	2.38	Wind	4%	
	CAIDI	171	All Other	3%	
	Customer Minutes	556,839			
	Customers Affected	3,265			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair equipment failure			Complete	Feb-20
	Repair damage caused by a tree			Complete	Feb-20
Rank	Substation	Circuit	District	Customers	Outages
31	Cooperstown	Twin Willows	Butler	1,604	28
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.8	Trees Off ROW	72%	Q2 2019
	SAIDI	341	Line Failure	26%	Q3 2019
	SAIFI	2.48	Equipment Failure	1%	Q4 2019
	CAIDI	138	All Other	1%	Q1 2020
	Customer Minutes	547,633			
	Customers Affected	3,982			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	May-19
	Repair damage caused by a tree			Complete	Jun-19
	Repair line failure during a storm			Complete	Aug-19
	Repair line failure			Complete	Nov-19
Overhead circuit inspection			To be Completed 2020	7%	

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
32	Blue Ridge Summit	Sabillasville	Waynesboro	961	33
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Trees Off ROW	65%	Q4 2019
	SAIDI	553	Line Failure	22%	Q1 2020
	SAIFI	2.33	Human Error -Non-Company	6%	
	CAIDI	237	All Other	7%	
	Customer Minutes	531,467			
	Customers Affected	2,240			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure during a storm			Complete	Nov-19
	Repair damage caused by a tree during a storm			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Feb-20
	Rank	Substation	Circuit	District	Customers
33	Emporium	Emporium Jet	St Marys	598	25
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Trees Off ROW	56%	Q2 2019
	SAIDI	885	Human Error -Non-Company	34%	Q1 2020
	SAIFI	3.40	Trees Off ROW-Limb	8%	
	CAIDI	260	All Other	2%	
	Customer Minutes	529,172			
	Customers Affected	2,032			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by human error non-company			Complete	May-19
	Repair damage caused by a tree			Complete	Jun-19
	Repair damage caused by a tree during a storm			Complete	Feb-20
	Overhead circuit inspection			Complete	Mar-20
Rank	Substation	Circuit	District	Customers	Outages
34	Hyndman	Route 96 South	Hyndman	691	33
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Trees Off ROW	48%	Q4 2019
	SAIDI	754	Line Failure	34%	Q1 2020
	SAIFI	2.72	Wind	9%	
	CAIDI	277	All Other	9%	
	Customer Minutes	520,956			
	Customers Affected	1,878			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Zone 1 Infrared Inspection			Complete	Aug-19
	Repair line failure			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Nov-19
	Restore damage caused by human error non-company			Complete	Mar-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
35	Butler	Center Ave	Butler	1,639	32
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Vehicle	77%	None
	SAIDI	313	Trees Off ROW	15%	
	SAIFI	1.88	Line Failure	6%	
	CAIDI	166	All Other	2%	
	Customer Minutes	512,547			
	Customers Affected	3,089			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	On cycle tree trimming			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Jan-20
	Rank	Substation	Circuit	District	Customers
36	State College	West Residential	State College	1,326	15
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Vehicle	62%	Q3 2019
	SAIDI	379	Trees Off ROW-Limb	33%	Q1 2020
	SAIFI	2.26	Unknown	2%	
	CAIDI	168	All Other	3%	
	Customer Minutes	502,179			
	Customers Affected	2,992			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a vehicle			Complete	Aug-19
	Repair damage caused by a tree during a storm			Complete	Aug-19
	Zone 1 Infrared Inspection			Complete	Aug-19
Restore unknown outage			Complete	Jan-20	
Rank	Substation	Circuit	District	Customers	Outages
37	Cecil	Hendersonville	Boyce	2,029	18
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Equipment Failure	38%	Q3 2019
	SAIDI	247	Line Failure	27%	Q1 2020
	SAIFI	4.06	Trees Off ROW	24%	
	CAIDI	61	All Other	11%	
	Customer Minutes	502,026			
	Customers Affected	8,242			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair line failure			Complete	Aug-19
	Repair damage caused by a tree			Complete	Sep-19
	Repair line failure			Complete	Feb-20

West Penn Power					
Rank	Substation	Circuit	District	Customers	Outages
38	Fort Palmer	West Fairfield	Latrobe	961	71
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Trees Off ROW	69%	Q2 2019
	SAIDI	522	Line Failure	19%	Q3 2019
	SAIFI	1.68	Trees On ROW	6%	Q4 2019
	CAIDI	311	All Other	6%	Q1 2020
	Customer Minutes	501,212			
	Customers Affected	1,612			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	May-19
	Zone 1 Infrared Inspection			Complete	Jul-19
	Repair line failure during a storm			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Jan-20
	Rank	Substation	Circuit	District	Customers
39	Purcell	Artemas	Hyndman	582	34
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Trees Off ROW	40%	Q4 2019
	SAIDI	858	Forced Outage	34%	Q1 2020
	SAIFI	2.70	Equipment Failure	11%	
	CAIDI	318	All Other	15%	
	Customer Minutes	499,596			
	Customers Affected	1,571			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Forced outage to repair damage			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Dec-19
	On cycle tree trimming			Complete	Dec-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Rank	Substation	Circuit	District	Customers
40	Lagonda	Club Forty	Washington Pa	704	26
	<b>Reliability</b>		<b>Outage by Cause</b>		<b>Previously Ranked</b>
	SAIDI Impact	0.7	Trees Off ROW	84%	Q4 2019
	SAIDI	705	Line Failure	5%	Q1 2020
	SAIFI	2.56	Unknown	3%	
	CAIDI	276	All Other	8%	
	Customer Minutes	496,218			
	Customers Affected	1,800			
	<b>Remedial Action Planned or Taken</b>			<b>Status</b>	<b>Progress</b>
	Repair damage caused by a tree during a storm			Complete	Oct-19
	Repair damage caused by a tree during a storm			Complete	Mar-20
	Repair damage caused by wind during a storm			Complete	Mar-20
	On cycle tree trimming			To be Completed 2020	2%

<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>2Q 2019</b>	<b>3Q 2019</b>	<b>4Q 2019</b>	<b>1Q 2020</b>
Amity	Amity	X	X	X	
Atherton	East Residential		X	X	
Bedford Road	Rt 220 North	X	X	X	
Charleroi	N. Charleroi	X	X		
Flintstone	Chaneyville	X	X	X	
Houston	Weavertown	X	X	X	
Kane	Russell City	X	X	X	
Mather	Jefferson	X	X	X	
Roundhill	Roundhill		X	X	
Shanor Manor	Oneida		X	X	
Superior	Culmerville	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	To be Completed 2020	13%
Roundhill	Roundhill	Zone 1 Infrared Inspection	To be Completed 2020	0%
Shanor Manor	Oneida	Zone 1 Infrared Inspection	To be Completed 2020	0%
Kane	Russell City	Zone 1 Infrared Inspection	To be Completed 2020	0%
Buckeye	Paisley	On Cycle Tree Trimming	Complete	Feb-20

*Pursuant to Docket Nos. D-2014-2365991, D-2014-2365992, D-2014-2365993, and D-2014-2365994, (Appendix A)(3): FirstEnergy is 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>1st 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	10	13,378	1,627
Excavated in Tolerance	21	182,620	87,115
Excavation Inconsistent with Ticket Scope	24	23,595	18,227
Excavation Prior to Lawful Start Date	3	5,602	5,602
Expired Ticket	12	38,333	21,066
Hand Digging	0	0	0
Marked Improperly	24	236,123	118,033
No Ticket	33	43,848	32,218
<b>Total</b>	<b>127</b>	<b>543,499</b>	<b>283,888</b>

<b>Penelec – Third Party Line Hit Incidents</b>			
<b>1st 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	610	610
Excavated in Tolerance	41	50,022	36,574
Excavation Inconsistent with Ticket Scope	6	629	159
Excavation Prior to Lawful Start Date	6	9,859	5,390
Expired Ticket	5	2,787	2,234
Hand Digging	5	528	528
Marked Improperly	35	57,474	47,771
No Ticket	45	61,763	41,149
<b>Total</b>	<b>156</b>	<b>183,672</b>	<b>134,415</b>

<b>Penn Power – Third Party Line Hit Incidents</b>			
<b>1st 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	20	15,161	10,501
Excavation Inconsistent with Ticket Scope	2	6,108	3,429
Excavation Prior to Lawful Start Date	2	1,913	3,032
Expired Ticket	5	6,942	2,500
Hand Digging	0	0	0
Marked Improperly	11	22,953	21,057
No Ticket	28	33,060	21,841
<b>Total</b>	<b>70</b>	<b>88,126</b>	<b>64,470</b>

<b>West Penn – Third Party Line Hit Incidents</b>			
<b>1st 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	35,948	25,695
Excavated in Tolerance	5	5,744	5,744
Excavation Inconsistent with Ticket Scope	5	9,689	212
Excavation Prior to Lawful Start Date	3	2,127	2,127
Expired Ticket	9	10,476	8,099
Hand Digging	10	11,373	11,241
Marked Improperly	32	117,734	106,468
No Ticket	46	121,585	51,174
<b>Total</b>	<b>139</b>	<b>314,676</b>	<b>210,760</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 1<sup>st</sup> Quarter 2020 Reliability Report –** :  
**Metropolitan Edison Company,** :  
**Pennsylvania Electric Company** :  
**Pennsylvania Power Company and West** :  
**Penn Power Company – Public Version** :

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day served a true and correct copy of the foregoing document upon the individuals listed below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

Service by electronic mail, as follows:

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

Richard Kanaskie, Director  
Bureau of Investigation and Enforcement  
Pennsylvania Public Utility Commission  
400 North Street 2nd Floor West  
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

David Dulick, General Counsel  
david\_dulick@ccsenergy.com

Rich Geosits, Manager, Power Delivery  
rich\_geosits@ccsenergy.com

Dated: May 1, 2020



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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