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April 30, 2014

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APR 30 2014

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

VIA UNITED PARCEL SERVICE

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 2014 Reliability Report – Metropolitan Edison Company,  
Pennsylvania Electric Company and Pennsylvania Power Company –  
Public Version**

L-00030161

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 and Pennsylvania Power Company (collectively, the “Companies”) are two copies of the Joint 1st Quarter 2014 Reliability Report – Public Version (“Joint Report”). Please date stamp the additional copy and return it in the postage-prepaid envelope provided.

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

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

Sincerely,

Tori L. Giesler

Enclosures

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

**PennPower**  
A FirstEnergy Company

**Penelec**  
A FirstEnergy Company

**Met-Ed**  
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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

## Joint 2014 1<sup>st</sup> Quarter Reliability Report

Pennsylvania Power Company,  
Pennsylvania Electric Company and  
Metropolitan Edison Company

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

## Joint 1<sup>st</sup> Quarter 2014 Reliability Report – Pennsylvania Power Company, Pennsylvania Electric Company and Metropolitan Edison Company

*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 Events

FirstEnergy Company	Customers Affected	Time and Duration of the Event		Cause of the Event	Commission Approval Status
Met-Ed	135,688	Duration	4 days, 18 hours and 50 minutes	Winter Storm Nika with heavy snow and freezing rain	Approved April 23, 2014
		Start Date/Time	February 5, 2014 01:16 A.M.		
		End Date/Time	February 9, 2014 9:06 P.M.		

<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 2014 (12-Mo Rolling)	Penn Power			Penelec			Met-Ed		
	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual
SAIFI	1.12	1.34	1.48 <sup>2</sup>	1.26	1.52	1.56 <sup>3</sup>	1.15	1.38	1.08 <sup>5</sup>
CAIDI	101	121	136 <sup>2</sup>	117	141	112 <sup>4</sup>	117	140	116 <sup>5</sup>
SAIDI	113	162	202 <sup>2</sup>	148	213	175	135	194	126 <sup>5</sup>
MAIFI			1.54			4.46			1.88
Customers Served <sup>6</sup>	159,385			582,649			549,039		
Number of Sustained Interruptions	3,555			11,481			7,803		
Customers Affected	236,515			908,194			593,954		
Customer Minutes	32,182,685			101,765,227			68,979,761		
Number of Customer Momentary Interruptions	245,378			2,600,789			1,032,553		

<sup>2</sup> Penn Power's higher-than-normal reliability performance for the 12-month period is directly attributed to 36 minor storm days. Ten of these days contributed 91 minutes to SAIDI, 42 minutes to CAIDI and 0.30 to SAIFI.

<sup>3</sup> Penelec higher-than-normal SAIFI performance is directly attributed to two non-excludable storm events that occurred on January 6-8 and March 12-13, which contributed 0.06 to SAIFI.

<sup>4</sup> Penelec achieved better than benchmark for CAIDI.

<sup>5</sup> Met-Ed achieved better than benchmark for SAIFI, CAIDI and SAIDI.

<sup>6</sup> Represents the average number of customers served during the reporting period

*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 System Average Interruption Frequency Index (“SAIFI”) and System Average Interruption Duration Index (“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.

Penn Power, Penelec and Met-Ed’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*

Penn Power, Penelec and Met-Ed'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 – Penn Power**

1st Quarter 2014 12-Month Rolling	Outages by Cause			
	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
LIGHTNING	2,191,856	479	15,120	13.47%
TREES OFF ROW-TREE	9,855,366	477	54,439	13.42%
ANIMAL	1,044,929	420	10,987	11.81%
EQUIPMENT FAILURE	2,989,262	395	60,893	11.11%
BIRD	343,631	373	4,186	10.49%
LINE FAILURE	2,615,789	328	18,604	9.23%
TREES OFF ROW-LIMB	1,977,323	221	13,395	6.22%
TREES/NOT PREVENTABLE	4,565,720	153	8,917	4.30%
OVERLOAD	501,969	102	6,361	2.87%
TREES - SEC/SERVICE	120,971	99	381	2.78%
UNKNOWN	344,270	96	3,447	2.70%
VEHICLE	1,336,500	83	7,820	2.33%
ICE	1,130,738	74	1,608	2.08%
TREES ON ROW	1,482,448	57	3,567	1.60%
FORCED OUTAGE	163,499	54	6,336	1.52%
PREVIOUS LIGHTNING	56,406	51	363	1.43%
HUMAN ERROR -NON-COMPANY	469,796	31	5,756	0.87%
CUSTOMER EQUIPMENT	437,494	22	10,642	0.62%
UG DIG-UP	12,095	10	102	0.28%
HUMAN ERROR - COMPANY	2,693	9	60	0.25%
OBJECT CONTACT WITH LINE	473,633	8	2,921	0.23%
VANDALISM	59,468	5	567	0.14%
FIRE	660	2	10	0.06%
TREES/PREVENTABLE	1,924	2	6	0.06%
WIND	2,747	2	3	0.06%
CONTAMINATION	785	1	1	0.03%
SWITCHING ERROR	713	1	23	0.03%
<b>Total</b>	<b>32,182,685</b>	<b>3,555</b>	<b>236,515</b>	<b>100.00%</b>

## Proposed Solutions – Penn Power

### Lightning

The number of lightning-caused outages is mitigated through Penn Power's reliability improvement strategy. This includes inspection and maintenance practices such as circuit inspections and annual main feed inspections. These inspections can locate blown lightning arresters, broken grounds and other condition items which could lead to higher lightning-caused outages. Substations also contain lightning protection through equipment such as arresters and grounding. These items are maintained by the substation group based on the substation practices. Distribution protection coordination reviews allow for a fewer number of customers affected and quicker isolation of the affected circuit sections. In addition, Penn Power conducts periodic reviews of multi-operation devices to identify causes and trends and will engineer solutions to reduce the frequency of the outages.

### Trees Off ROW-Tree

Forestry Services reviews the “Trees Off ROW-Tree” outages to see if there has been a high frequency of occurrences on the circuit. A patrol of the circuit is conducted to identify trees that need to be trimmed or removed to avoid future outages. In addition, line and forestry personnel patrol for danger/priority trees as part of their daily work routine. The danger/priority tree program identifies off right-of-way trees that present a hazard to power lines. Under this program all circuits that have had “Trees Off ROW-Tree” caused outages are prioritized based on customer outage minutes. A patrol of the three-phase backbone of each circuit is performed and foresters work with private property owners to remove any potentially dangerous tree conditions.

### Animal

Animal guards are installed on equipment where a high frequency of animal related outages is experienced. When possible, animal guards are installed at the time service is restored for the outages caused by animals.

Outages by Cause – Penelec

<b>Outages by Cause</b>				
<b>1st Quarter 2014 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 Number of Outages</b>
EQUIPMENT FAILURE	22,868,302	3,074	260,021	26.77%
UNKNOWN	10,416,679	2132	136,475	18.57%
TREES OFF ROW-TREE	24,753,676	1,034	102,996	9.01%
ANIMAL	1,748,333	956	32,752	8.33%
LINE FAILURE	13,063,729	917	125,992	7.99%
FORCED OUTAGE	5,366,553	697	47,640	6.07%
LIGHTNING	3,939,974	406	31,010	3.54%
TREES - SEC/SERVICE	550,636	356	1,391	3.10%
TREES OFF ROW-LIMB	3,850,833	334	29,749	2.91%
BIRD	419,912	294	5,704	2.56%
VEHICLE	4,113,124	291	27,893	2.53%
TREES/NOT PREVENTABLE	3,415,796	216	25,637	1.88%
HUMAN ERROR - COMPANY	190,521	169	2,372	1.47%
HUMAN ERROR -NON-COMPANY	1,336,474	118	12,799	1.03%
OVERLOAD	1,501,678	104	31,588	0.91%
CUSTOMER EQUIPMENT	1,928,711	73	15,977	0.64%
TREES ON ROW	134,451	67	823	0.58%
OTHER ELECTRIC UTILITY	194,427	61	3,190	0.53%
UG DIG-UP	79,486	41	472	0.36%
PREVIOUS LIGHTNING	49,154	32	160	0.28%
ICE	148,857	28	509	0.24%
OBJECT CONTACT WITH LINE	162,412	24	1,333	0.21%
VANDALISM	67,383	22	512	0.19%
FIRE	195,237	13	2,065	0.11%
OTHER UTILITY-NON ELEC	14,305	7	151	0.06%
WIND	1,159,105	7	5,260	0.06%
SWITCHING ERROR	91,217	6	3,642	0.05%
CONTAMINATION	4,262	2	81	0.02%
<b>Total</b>	<b>101,765,227</b>	<b>11,481</b>	<b>908,194</b>	<b>100.00%</b>

## Proposed Solutions – Penelec

### Equipment Failure

Porcelain cutout failures represent approximately one-third of the equipment failure outages in Penelec's territory. To address this cause, Penelec continues to replace porcelain cutouts with polymer cutouts on the main feed three-phase backbone of circuits.

Inspection and maintenance practices, such as overhead circuit inspections, identify and correct potential equipment-related problems before they cause an outage. Penelec is inspecting the entire circuit from substation to meter which includes the main three-phase backbone system on a five-year cycle. Off-cycle inspections are performed based on circuit performance and may include infrared scanning to assist in identification of potential equipment problems.

To reduce the impact of outages, distribution circuit protection coordination reviews and the enhanced circuit protection schemes that result provide isolation of equipment failures. To limit the number of multiple outages at the same location, Engineering Services continually monitors and investigates devices experiencing three or more outages in sixty days to identify causes and trends of equipment failures and other outages.

### Unknown

Outage-by-cause analysis is one of the tools used to analyze and develop circuit and system reliability improvement plans. If the troubleshooter cannot accurately identify the cause of an outage, that outage is coded with an unknown cause. To limit the number of unknown outages, and to identify the outage cause, troubleshooters are directed to continue to patrol a circuit, even after service has been restored, as long as those patrols will not interfere with restoration of other customers. Significant unknown outages are reviewed by Reliability Engineering, with post outage circuit inspections being completed as needed by reliability inspectors.

### Trees Off ROW-Tree

Forestry Services reviews the "Trees Off ROW-Tree" outages to see if there has been a high frequency of occurrences on the circuit. A patrol of the circuit is conducted to identify dead or diseased trees that need to be trimmed or removed to avoid future outages. In addition, line and forestry personnel patrol for danger/priority trees as part of their daily work routine. The danger/priority tree inspections identify off right-of-way trees that present a hazard to power lines. Circuits are then prioritized by customer minutes due to "Trees Off ROW-Tree" outages. A patrol of the entire circuit is performed and Forestry Services works with private property owners to remove any potentially dangerous tree conditions. This practice has been adopted as part of the Company's normal tree trimming maintenance program.

Outages by Cause – Met-Ed

Outages by Cause				
1st Quarter 2014 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
EQUIPMENT FAILURE	19,592,009	2,227	191,838	28.54%
ANIMAL	3,167,317	1,161	28,404	14.88%
UNKNOWN	4,634,133	983	46,685	12.60%
TREES OFF ROW-TREE	10,979,468	661	67,812	8.47%
LINE FAILURE	7,312,529	544	45,302	6.97%
LIGHTNING	2,347,581	328	24,853	4.20%
FORCED OUTAGE	4,765,668	316	70,414	4.05%
VEHICLE	7,698,956	310	47,809	3.97%
TREES OFF ROW-LIMB	2,788,583	290	21,377	3.72%
BIRD	372,116	228	4,383	2.92%
TREES ON ROW	1,711,195	224	10,597	2.87%
TREES - SEC/SERVICE	209,571	118	795	1.51%
OVERLOAD	572,992	98	4,923	1.26%
TREES/NOT PREVENTABLE	994,238	98	5,312	1.26%
HUMAN ERROR -NON-COMPANY	283,238	47	2,038	0.60%
PREVIOUS LIGHTNING	27,817	31	160	0.40%
OBJECT CONTACT WITH LINE	640,863	29	4,470	0.37%
HUMAN ERROR - COMPANY	615,753	27	12,680	0.35%
UG DIG-UP	96,619	26	672	0.33%
CUSTOMER EQUIPMENT	18,209	13	124	0.17%
WIND	71,608	13	414	0.17%
ICE	35,966	11	101	0.14%
VANDALISM	25,258	6	2,535	0.08%
OTHER UTILITY-NON ELEC	7,647	4	25	0.05%
OTHER ELECTRIC UTILITY	1,878	3	25	0.04%
TREES/PREVENTABLE	764	3	12	0.04%
CONTAMINATION	2,254	2	34	0.03%
FIRE	5,531	2	160	0.03%
<b>Total</b>	<b>68,979,761</b>	<b>7,803</b>	<b>593,954</b>	<b>100.00%</b>

## Proposed Solutions – Met-Ed

### Equipment Failure

The number of equipment failures is mitigated by way of inspection and maintenance practices, such as circuit inspections and others. Further, distribution circuit protection coordination reviews and the enhanced circuit protection schemes that result will provide isolation of equipment failures and lessen the impact of outages to a smaller number of customers. In addition, the Engineering Department periodically conducts a multi-operation device review to identify causes and trends of equipment failures and other outage causes. Engineering then plans accordingly to repair or replace facilities.

### Animal

Animal guards are installed on equipment where a high frequency of animal-related outages is experienced. When possible, animal guards are installed at the time service is restored for the outages caused by animals. In addition, Met-Ed requires animal guards to be installed on all new overhead and underground riser installations.

### Unknown

Outage-by-cause analysis is one of the tools used to analyze and develop circuit and system reliability improvement plans. During the investigation of an outage, if the troubleshooter cannot accurately identify the cause of an outage, that outage is coded with an unknown cause. To limit the number of unknown outages and to identify the outage cause, troubleshooters are directed to continue to patrol a circuit even after service has been restored, as long as those patrols will not interfere with restoration of other customers. Significant unknown outages are reviewed by reliability engineering, with post outage circuit inspections being completed as needed.

*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).*

*T&D Inspection and Maintenance Programs*

Inspection and Maintenance 2014		Penn Power			Penelec			Met-Ed		
		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD
<b>Forestry</b>	Transmission (Miles)	144.37	0	0	352.10	34.94	34.94	229.21	19.88	19.88
	Distribution (Miles)	1,157	339	339	4,604	763	763	2,697	363	363
<b>Transmission</b>	Aerial Patrols	2	1	1	2	0	0	2	1	1
	Groundline	0	0	0	279	0	0	0	0	0
<b>Substation</b>	General Inspections	924	231	231	4,848	1,212	1,212	2,592	648	648
	Transformers	120	2	2	724	386	386	445	20	20
	Breakers	32	5	5	310	56	56	96	2	2
	Relay Schemes	40	2	2	285	48	48	204	9	9
<b>Distribution</b>	Capacitors	1,004	998	998	8,702	8,409	8,409	4,748	4,748	4,748
	Poles	10,600	0	0	41,111	15,587	15,587	28,452	7,972	7,972
	Reclosers	781	178	178	2,574	0	0	1,074	234	234
	Radio-Controlled Switches	Penn Power has no radio-controlled switches			2,356	12	12	278	10	10

General Note:

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

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>7</sup>*

Penn Power						
T&D O&M - 1Q/YTD March 2014 (\$)						
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget	
<b>Transmission</b>						
561 Load Dispatching	41,208	41,504	41,208	41,504	122,198	
565 Transmission of Electricity by Others	820,568	1,415,003	820,568	1,415,003	5,714,611	
566 Miscellaneous Transmission Expenses	10,429	18,873	10,429	18,873	77,451	
568 Maintenance Supervision and Engineering	1,001	1,154	1,001	1,154	3,995	
569 Maintenance of Structures	5,641	16,959	5,641	16,959	62,921	
570 Maintenance of Station Equipment	2,515	762	2,515	762	3,047	
571 Maintenance of Overhead Lines	18,329	5,537	18,329	5,537	23,569	
573 Maintenance of Miscellaneous Transmission Plant	(950)	1,276	(950)	1,276	5,106	
575 Market Administration, Monitoring and Compliance Services	6,651	6,176	6,651	6,176	21,584	
<b>Transmission Total</b>	<b>905,392</b>	<b>1,507,243</b>	<b>905,392</b>	<b>1,507,243</b>	<b>6,034,482</b>	
<b>Distribution</b>						
580 Operation Supervision and Engineering	(55,518)	0	(55,518)	0	101,165	
582 Station Expenses	2,885	0	2,885	0	0	
583 Overhead Line Expenses	3,596	0	3,596	0	0	
584 Underground Line Expenses	40,336	71,751	40,336	71,751	285,640	
586 Meter Expenses	20,100	21,755	20,100	21,755	82,707	
588 Miscellaneous Distribution Expenses	347,207	152,104	347,207	152,104	800,736	
589 Rents	117,764	80,354	117,764	80,354	321,416	
590 Maintenance Supervision and Engineering	20,908	23,591	20,908	23,591	80,547	
592 Maintenance of Station Equipment	194,271	36,765	194,271	36,765	206,826	
593 Maintenance of Overhead Lines	1,933,980	1,614,015	1,933,980	1,614,015	6,326,282	
594 Maintenance of Underground Lines	74,330	(3,839)	74,330	(3,839)	(15,356)	
596 Maintenance of Street Lighting and Signal Systems	109,121	182	109,121	182	728	
597 Maintenance of Meters	149,600	128,953	149,600	128,953	457,689	
598 Maintenance of Miscellaneous Distribution Plant	55,157	107,682	55,157	107,682	401,780	
<b>Distribution Total</b>	<b>3,013,737</b>	<b>2,233,314</b>	<b>3,013,737</b>	<b>2,233,314</b>	<b>9,050,160</b>	
<b>PennPower Grand Total</b>	<b>3,919,128</b>	<b>3,740,556</b>	<b>3,919,128</b>	<b>3,740,556</b>	<b>15,084,642</b>	

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

<b>Penelec</b>						
T&D O&M - 1Q/YTD March 2014 (\$)						
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget	
<b>Transmission</b>						
560	Operation Supervision and Engineering	7,221	7,096	7,221	7,096	69,355
561	Load Dispatching	124,712	392,046	124,712	392,046	1,517,766
562	Station Expenses	2,217	0	2,217	0	0
563	Overhead Lines Expenses	212,970	276,436	212,970	276,436	355,969
565	Transmission of Electricity by Others	2,623,985	2,596,720	2,623,985	2,596,720	10,218,911
566	Miscellaneous Transmission Expenses	137,237	216,507	137,237	216,507	890,931
567	Rents	742,633	690,093	742,633	690,093	2,760,371
568	Maintenance Supervision and Engineering	300,703	312,489	300,703	312,489	1,159,278
569	Maintenance of Structures	88,928	79,593	88,928	79,593	294,706
570	Maintenance of Station Equipment	578,002	85,033	578,002	85,033	348,372
571	Maintenance of Overhead Lines	(433,910)	1,247,315	(433,910)	1,247,315	8,136,986
572	Transmission-Maintenance Of Underground Lines	74	0	74	0	0
573	Maintenance of Miscellaneous Transmission Plant	9,318	0	9,318	0	0
575	Market Administration, Monitoring and Compliance Services	9,637	15,097	9,637	15,097	53,272
<b>Transmission Total</b>		<b>4,403,727</b>	<b>5,918,423</b>	<b>4,403,727</b>	<b>5,918,423</b>	<b>25,805,917</b>
<b>Distribution</b>						
580	Operation Supervision and Engineering	509,467	27,311	509,467	27,311	566,579
581	Load Dispatching	107,537	101,096	107,537	101,096	384,505
582	Station Expenses	88,341	0	88,341	0	0
583	Overhead Line Expenses	4,783	15,163	4,783	15,163	52,827
584	Underground Line Expenses	133,341	209,730	133,341	209,730	838,920
585	Distribution-Street Lighting & Signal System Expenses	396	0	396	0	0
586	Meter Expenses	156,755	165,432	156,755	165,432	636,909
588	Miscellaneous Distribution Expenses	2,560,661	1,303,623	2,560,661	1,303,623	6,377,416
589	Rents	232,318	306,851	232,318	306,851	1,227,405
590	Maintenance Supervision and Engineering	95,700	109,376	95,700	109,376	372,115
592	Maintenance of Station Equipment	1,788,691	1,239,523	1,788,691	1,239,523	4,922,709
593	Maintenance of Overhead Lines	6,025,263	5,080,103	6,025,263	5,080,103	20,544,662
594	Maintenance of Underground Lines	229,496	(990)	229,496	(990)	51,984
595	Maintenance Line Transformer	25,525	0	25,525	0	0
596	Maintenance of Street Lighting and Signal Systems	414,392	431,099	414,392	431,099	1,620,566
597	Maintenance of Meters	737,649	392,425	737,649	392,425	1,451,746
598	Maintenance of Miscellaneous Distribution Plant	500,320	434,104	500,320	434,104	1,633,417
<b>Distribution Total</b>		<b>13,610,636</b>	<b>9,814,847</b>	<b>13,610,636</b>	<b>9,814,847</b>	<b>40,681,759</b>
<b>Penelec Grand Total</b>		<b>18,014,363</b>	<b>15,733,270</b>	<b>18,014,363</b>	<b>15,733,270</b>	<b>66,487,676</b>

<b>Met-Ed</b>						
T&D O&M - 1Q/YTD March 2014 (\$)						
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget	
<b>Transmission</b>						
560	Operation Supervision and Engineering	5,735	5,818	5,735	5,818	55,628
561	Load Dispatching	208,871	350,821	208,871	350,821	1,337,244
562	Station Expenses	5,113	0	5,113	0	0
563	Overhead Lines Expenses	2,402	14,447	2,402	14,447	33,112
565	Transmission of Electricity by Others	5,084,476	2,877,214	5,084,476	2,877,214	11,776,276
566	Miscellaneous Transmission Expenses	146,153	279,926	146,153	279,926	1,137,533
567	Rents	128,771	118,104	128,771	118,104	472,415
568	Maintenance Supervision and Engineering	239,741	252,151	239,741	252,151	934,756
569	Maintenance of Structures	70,088	71,933	70,088	71,933	266,402
570	Maintenance of Station Equipment	461,109	532,989	461,109	532,989	2,337,380
571	Maintenance of Overhead Lines	545,541	464,981	545,541	464,981	3,040,319
572	Maintenance of Underground Lines	224	0	224	0	0
573	Maintenance of Miscellaneous Transmission Plant	40,916	19,996	40,916	19,996	65,528
575	Market Administration, Monitoring and Compliance Services	11,979	15,298	11,979	15,298	53,861
<b>Transmission Total</b>		<b>6,951,116</b>	<b>5,003,678</b>	<b>6,951,116</b>	<b>5,003,678</b>	<b>21,510,453</b>
<b>Distribution</b>						
580	Operation Supervision and Engineering	(208,494)	21,000	(208,494)	21,000	497,840
581	Load Dispatching	92,561	117,315	92,561	117,315	328,242
582	Station Expenses	259,212	139,171	259,212	139,171	612,237
583	Overhead Line Expenses	(9,205)	20,685	(9,205)	20,685	37,277
584	Underground Line Expenses	139,684	144,119	139,684	144,119	576,477
586	Meter Expenses	140,654	180,163	140,654	180,163	732,481
588	Miscellaneous Distribution Expenses	1,236,872	736,085	1,236,872	736,085	4,347,575
589	Rents	149,166	135,218	149,166	135,218	540,873
590	Maintenance Supervision and Engineering	85,245	97,385	85,245	97,385	331,277
591	Maintenance of Structures	3,141	3,584	3,141	3,584	14,240
592	Maintenance of Station Equipment	678,042	657,539	678,042	657,539	3,424,695
593	Maintenance of Overhead Lines	18,191,520	3,810,163	18,191,520	3,810,163	14,888,857
594	Maintenance of Underground Lines	292,003	491,131	292,003	491,131	2,025,624
596	Maintenance of Street Lighting and Signal Systems	158,726	59,899	158,726	59,899	247,191
597	Maintenance of Meters	416,266	407,226	416,266	407,226	1,620,577
598	Maintenance of Miscellaneous Distribution Plant	427,467	440,244	427,467	440,244	1,651,356
<b>Distribution Total</b>		<b>22,052,860</b>	<b>7,460,928</b>	<b>22,052,860</b>	<b>7,460,928</b>	<b>31,876,820</b>
<b>Met-Ed Grand Total</b>		<b>429,003,977</b>	<b>424,641,605</b>	<b>429,003,977</b>	<b>424,641,605</b>	<b>53,387,273</b>

*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 Expenditures<sup>8</sup>*

<b>Penn Power</b>					
T&D Capital - 1Q / YTD March 2014 (\$)					
<b>Category</b>	<b>Q1 Actuals</b>	<b>Q1 Budget</b>	<b>Q1 YTD Actuals</b>	<b>Q1 YTD Budget</b>	<b>Annual Budget</b>
Capacity	33,509	38,923	33,509	38,923	216,605
Condition	771,984	1,364,120	771,984	1,364,120	5,772,263
Forced	1,189,554	993,088	1,189,554	993,088	3,261,092
Meter Related	88,165	(7,429)	88,165	(7,429)	(29,792)
New Business	1,201,045	681,862	1,201,045	681,862	1,921,528
Other	1,139,340	1,112,390	1,139,340	1,112,390	14,040,397
Reliability	630,902	742,988	630,902	742,988	4,135,545
Street Light	67,395	6,553	67,395	6,553	26,210
Tools and Equipment	32,964	14,369	32,964	14,369	80,111
Vegetation Management	1,035,761	1,292,920	1,035,761	1,292,920	5,171,678
<b>Penn Power Total</b>	<b>6,190,618</b>	<b>6,239,782</b>	<b>6,190,618</b>	<b>6,239,782</b>	<b>34,595,638</b>

<b>Penelec</b>					
T&D Capital - 1Q / YTD March 2014 (\$)					
<b>Category</b>	<b>Q1 Actuals</b>	<b>Q1 Budget</b>	<b>Q1 YTD Actuals</b>	<b>Q1 YTD Budget</b>	<b>Annual Budget</b>
Capacity	(6,409,059)	4,031,177	(6,409,059)	4,031,177	22,323,404
Condition	3,501,516	6,187,221	3,501,516	6,187,221	30,179,409
Facilities	128,722	196,379	128,722	196,379	1,693,781
Forced	7,901,175	7,212,796	7,901,175	7,212,796	32,297,454
Meter Related	880,207	960,773	880,207	960,773	3,895,991
New Business	1,870,161	3,042,135	1,870,161	3,042,135	12,306,471
Other	7,693,670	4,918,578	7,693,670	4,918,578	20,842,813
Reliability	10,743,189	5,418,599	10,743,189	5,418,599	23,756,577
Street Light	428,239	472,350	428,239	472,350	1,886,896
Tools and Equipment	198,278	198,809	198,278	198,809	962,713
Vegetation Management	4,414,428	6,111,772	4,414,428	6,111,772	23,564,629
<b>Penelec Total</b>	<b>31,350,526</b>	<b>38,750,588</b>	<b>31,350,526</b>	<b>38,750,588</b>	<b>173,710,138</b>

<sup>8</sup> Budgets are subject to change

<b>Met-Ed</b>					
T&D Capital - 1Q / YTD March 2014 (\$)					
<b>Category</b>	<b>Q1 Actuals</b>	<b>Q1 Budget</b>	<b>Q1 YTD Actuals</b>	<b>Q1 YTD Budget</b>	<b>Annual Budget</b>
Capacity	6,957,661	7,207,301	6,957,661	7,207,301	17,810,045
Condition	2,325,309	2,916,621	2,325,309	2,916,621	12,384,025
Facilities	71,128	0	71,128	0	396,476
Forced	8,565,123	6,319,229	8,565,123	6,319,229	22,569,629
Meter Related	636,761	762,980	636,761	762,980	3,093,873
New Business	2,906,925	3,840,096	2,906,925	3,840,096	14,022,673
Other	1,647,071	(271,353)	1,647,071	(271,353)	8,694,842
Reliability	1,082,627	2,730,068	1,082,627	2,730,068	9,411,947
Street Light	34,080	132,244	34,080	132,244	536,631
Tools and Equipment	274,764	180,492	274,764	180,492	916,961
Vegetation Management	3,348,444	3,663,268	3,348,444	3,663,268	14,896,759
<b>Met-Ed Total</b>	<b>27,849,893</b>	<b>27,480,946</b>	<b>27,849,893</b>	<b>27,480,946</b>	<b>104,733,860</b>

*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).*

*Staffing Levels*

Penn Power 2014					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	29			
	Lineman	60			
Substation	Technician	4			
	Construction & Maintenance (C&M)	18			
<b>Total</b>		<b>111</b>			

Penelec 2014					
Department	Staff	1Q <sup>9</sup>	2Q	3Q	4Q
Line	Leader / Chief	81			
	Lineman	145			
Substation	Technician	5			
	Construction & Maintenance (C&M)	51			
<b>Total</b>		<b>282</b>			

Met-Ed 2014					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	52			
	Lineman	173			
Substation	Technician	15			
	Construction & Maintenance (C&M)	59			
<b>Total</b>		<b>299</b>			

<sup>9</sup> On November 25, 2013 FirstEnergy declared a lockout of members of Utilities Workers Union of America (UWUA) Local 180 at its Penelec subsidiary. UWUA Local 180 represents approximately 140 line, substation, clerks and meter services employees. Penelec initiated a work continuation plan that covers the work in the UWUA Local 180 area utilizing management personnel and contractors.

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*

This portion of the report is confidential per Docket L-00301061.

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

*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*

This portion of the report is confidential per Docket L-00301061.

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

*Call-out Response*

This portion of the report is confidential per Docket L-00301061.

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

RECEIVED

APR 30 2014

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Penn Power													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Conneaut	W-173	Clark	1,935	39	1	996,141	2,947	6.25	514.8	1.52	338.02	0
2	Hickory	W-245	Clark	1,466	13	2	888,166	3,193	5.57	605.84	2.18	278.16	4
3	Jamestown	W-162	Clark	1,039	57	0	718,179	2,969	4.51	691.22	2.86	241.89	0.54
4	Bessemer	D-394	New Castle	1,158	35	0	714,232	3,615	4.48	616.78	3.12	197.57	4.69
5	Hermitage	W-260	Clark	2,394	54	2	663,074	6,124	4.16	276.97	2.56	108.27	0.17
6	Sharon	W-135	Clark	1,131	33	1	609,254	1,947	3.82	538.69	1.72	312.92	0.12
7	Stoneboro	W-130	Clark	804	36	0	576,780	1,015	3.62	717.39	1.26	568.26	3.13
8	Mercer	W-167	Clark	851	46	0	569,923	1,341	3.58	669.71	1.58	425	1.26
9	Sharpsville	W-218	Clark	1,331	31	1	562,804	2,372	3.53	422.84	1.78	237.27	3.2

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Union City	00206-43	Erie	3,771	130	1	2,717,943	16,549	4.66	721	4.39	164	11.71
2	Union City	00425-43	Erie	720	19	0	1,352,089	1,709	2.32	1,878	2.37	791	8.79
3	East Pike	00095-13	Indiana	3,339	33	1	1,261,618	6,633	2.17	378	1.99	190	3.06
4	Madera	00165-22	Philipsburg	654	33	0	1,247,871	3,111	2.14	1,908	4.76	401	14.34
5	Springboro	00237-52	Meadville	2,823	80	0	1,155,313	6,840	1.98	409	2.42	169	9.87
6	Marienville	00328-51	Oil City	1,190	43	0	1,026,542	2,529	1.76	863	2.13	406	19.49
7	Madera	00166-22	Philipsburg	2,527	58	2	876,814	9,142	1.50	347	3.62	96	4.23
8	Edinboro	00420-34	Erie	1,584	39	1	822,198	4,635	1.41	519	2.93	177	10.22
9	Philipsburg	00162-22	Philipsburg	3,325	87	0	759,961	7,797	1.30	229	2.34	97	15.29
10	Erie South	00259-31	Erie	2,535	66	1	732,024	6,852	1.26	289	2.70	107	1.99
11	Logan	00700-81	Lewistown	934	34	0	697,299	1,920	1.20	747	2.06	363	24.56
12	Saxton	00624-73	Altoona	621	8	0	674,344	801	1.16	1,086	1.29	842	2.62
13	Seward	00075-11	Johnstown	904	18	0	615,623	3,153	1.06	681	3.49	195	5.62
14	Union City	00207-43	Erie	854	36	3	588,773	4,332	1.01	689	5.07	136	15.02
15	Williamsburg	00046-71	Altoona	386	23	0	554,519	1,486	0.95	1,437	3.85	373	2.40
16	Corry East	00440-43	Erie	591	24	1	536,549	1,346	0.92	908	2.28	399	8.18
17	French Road	00223-31	Erie	2,082	26	3	531,640	11,990	0.91	255	5.76	44	2.26
18	Tunkhannock	00533-65	Montrose	1,231	50	1	529,767	4,834	0.91	430	3.93	110	12.00
19	Lake Como	00788-65	Montrose	656	31	1	514,093	2,384	0.88	784	3.63	216	20.58
20	Rolling Meadows	00310-31	Erie	3,268	31	1	474,324	7,098	0.81	145	2.17	67	0.44
21	Elk Run	00622-23	DuBois	1,046	30	0	467,941	2,035	0.80	447	1.95	230	7.95
22	Birmingham	00168-22	Philipsburg	1,049	41	0	466,565	3,649	0.80	445	3.48	128	31.24
23	East Pike	00094-13	Indiana	1,519	12	1	464,202	4,885	0.80	306	3.22	95	11.85
24	Blairsville East	00080-13	Indiana	1,056	24	0	453,403	3,363	0.78	429	3.18	135	4.19
25	Emlenton	00121-51	Oil City	590	29	2	433,279	3,035	0.74	734	5.14	143	14.92
26	Snakespring	00628-73	Altoona	987	28	2	419,787	2,391	0.72	425	2.42	176	7.43
27	Starrucca	00744-65	Montrose	869	27	1	412,585	2,679	0.71	475	3.08	154	7.89
28	Rockton Mountain	00138-21	Clearfield	498	17	0	410,617	1,838	0.70	825	3.69	223	3.11
29	Tiffany	00440-65	Montrose	1,177	24	0	405,053	2,652	0.70	344	2.25	153	3.67
30	Falls	00297-65	Montrose	807	24	0	396,890	3,004	0.68	492	3.72	132	1.27
31	Athens	00514-61	Towanda	803	19	1	395,089	2,677	0.68	492	3.33	148	3.04

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
32	Edgewood	00097-13	Indiana	1,396	13	0	389,604	3,362	0.67	279	2.41	116	13.65
33	DuBois	00124-23	DuBois	2,089	25	0	387,749	3,131	0.67	186	1.50	124	0.81
34	East Towanda	00525-62	Towanda	675	29	0	381,628	2,166	0.65	565	3.21	176	9.02
35	St. Benedict	00057-72	Altoona	923	14	0	370,310	1,191	0.64	401	1.29	311	8.03
36	Hooversville	00019-12	Somerset	1,636	35	0	357,727	3,651	0.61	219	2.23	98	3.97
37	Covington	00729-63	Mansfield	757	25	0	357,470	1,742	0.61	472	2.30	205	3.19
38	Mansfield	00559-63	Mansfield	547	23	1	353,780	1,386	0.61	647	2.53	255	4.03
39	Tiffany	00435-65	Montrose	834	37	2	353,182	2,618	0.61	423	3.14	135	42.61
40	Grandview	00354-51	Oil City	622	39	1	351,620	1,922	0.60	565	3.09	183	9.97
41	Hilltop	00048-11	Johnstown	1,981	18	1	343,911	6,687	0.59	174	3.38	51	11.26
42	Edgewood	00089-13	Indiana	886	27	1	340,565	1,747	0.58	384	1.97	195	7.95
43	Waverly	00164-66	Towanda	952	19	2	340,118	2,025	0.58	357	2.13	168	5.63
44	Ralphton	00015-12	Somerset	1,143	28	2	337,393	2,772	0.58	295	2.43	122	19.05
45	Union City	00208-43	Erie	1,253	44	2	333,169	2,518	0.57	266	2.01	132	9.30
46	Platea	00432-34	Erie	609	36	0	331,708	2,695	0.57	545	4.43	123	7.06
47	Mansfield	00558-63	Mansfield	788	33	0	328,109	1,162	0.56	416	1.47	282	14.66
48	Marienville	00327-51	Oil City	747	35	1	326,953	1,551	0.56	438	2.08	211	5.05
49	Lake Como	00787-65	Montrose	817	29	0	323,577	2,155	0.56	396	2.64	150	5.17
50	Tionesta	00344-51	Oil City	529	10	0	323,323	724	0.55	611	1.37	447	1.09
51	Clearfield	00148-21	Clearfield	1,689	43	0	320,177	2,549	0.55	190	1.51	126	21.99
52	Timblin	00115-23	DuBois	666	19	1	319,787	2,374	0.55	480	3.56	135	25.15
53	Mount Union	00154-82	Lewistown	1,194	28	1	317,958	1,847	0.55	266	1.55	172	6.84
54	Pittsburgh Avenue	00524-31	Erie	1,659	28	2	313,295	4,613	0.54	189	2.78	68	2.17
55	Knox	00325-51	Oil City	961	28	0	313,183	1,259	0.54	326	1.31	249	9.07
56	Mine 40	00277-11	Johnstown	477	6	0	308,360	1,106	0.53	646	2.32	279	4.10
57	Powell Avenue	00237-31	Erie	1,908	26	0	307,542	2,752	0.53	161	1.44	112	4.00
58	Tionesta Jct. Sw. Sta.	00498-51	Oil City	1,107	43	0	306,935	2,149	0.53	277	1.94	143	2.76
59	Logan	00701-81	Lewistown	1,409	19	2	305,494	4,619	0.52	217	3.28	66	5.58
60	Huntingdon	00189-82	Altoona	512	4	1	295,716	3,620	0.51	578	7.07	82	0.00
61	Buffalo Road	00201-31	Erie	677	22	0	295,622	1,060	0.51	437	1.57	279	4.25
62	Thompson	00436-65	Montrose	1,011	44	0	284,840	3,213	0.49	282	3.18	89	3.26
63	Youngsville	00256-41	Warren	384	22	1	282,498	1,074	0.48	736	2.80	263	20.05

Met-Ed													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customer Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Ottsville	00661-3	Easton	668	45	2	1,047,599	4,595	1.91	1568.26	6.88	227.99	0.06
2	Fox Hill	00816-3	Stroudsburg	3,809	51	0	954,093	5,628	1.74	250.48	1.48	169.53	5.18
3	S. Nazareth	00809-3	Easton	3,002	46	1	929,275	7,124	1.69	309.55	2.37	130.44	0.95
4	N. Bangor	00826-3	Easton	3,148	82	0	900,403	4,371	1.64	286.02	1.39	205.99	0.86
5	Newberry	00577-4	York	1,613	10	1	885,492	3,623	1.61	548.97	2.25	244.41	2.99
6	Flying Hills	00776-1	Reading	1,485	17	0	777,928	1,789	1.42	523.86	1.20	434.84	3.99
7	Birdsboro	00756-1	Reading	1,523	74	1	773,937	4,292	1.41	508.17	2.82	180.32	9.95
8	Birdsboro	00757-1	Reading	1,927	46	2	765,364	6,789	1.39	397.18	3.52	112.74	7.73
9	Barto	00705-1	Boyertown	2,090	74	2	733,964	7,376	1.34	351.18	3.53	99.51	4.02
10	Shawnee	00895-3	Stroudsburg	3,575	63	0	714,037	4,332	1.30	199.73	1.21	164.83	0.82
11	Mountain	00744-4	Dillsburg	1,815	62	1	625,827	5,111	1.14	344.81	2.82	122.45	1.00
12	Mt. Rose	00564-4	York	1,089	9	3	587,472	3,437	1.07	539.46	3.16	170.93	4.00
13	Bath	00873-3	Easton	2,133	37	0	584,913	2,421	1.07	274.22	1.14	241.60	0.00
14	Allen	00501-4	Dillsburg	1,482	44	2	519,677	4,405	0.95	350.66	2.97	117.97	20.98
15	Straban	00676-4	Gettysburg	1,072	40	0	513,368	3,276	0.94	478.89	3.06	156.71	2.00
16	Tolna	00793-4	York	1,511	24	1	506,131	2,101	0.92	334.96	1.39	240.90	4.00
17	Bern Church	00789-1	Reading	1,421	53	1	495,554	3,905	0.90	348.74	2.75	126.90	7.25
18	Birdsboro	00760-1	Reading	2,153	22	0	484,121	5,926	0.88	224.86	2.75	81.69	1.00
19	Glendon	00819-3	Easton	1,235	6	1	472,166	1,863	0.86	382.32	1.51	253.44	0.00
20	Tolna	00792-4	York	1,731	20	1	416,152	1,980	0.76	240.41	1.14	210.18	2.00
21	Newberry	00576-4	York	1,786	62	0	414,819	2,864	0.76	232.26	1.60	144.84	12.56
22	Dillsburg	00748-4	Dillsburg	1,775	48	3	400,924	5,454	0.73	225.87	3.07	73.51	5.66
23	Crossroads	00728-4	York	1,110	21	0	400,548	1,397	0.73	360.85	1.26	286.72	0.00

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

Met-Ed													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customer Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
24	Windsor	00795-4	York	1,032	47	1	388,877	2,399	0.71	376.82	2.32	162.10	0.00
25	Hill	00737-4	York	1,930	27	0	383,590	2,391	0.70	198.75	1.24	160.43	18.31
26	Shawnee	00860-3	Stroudsburg	3,132	40	3	358,935	4,777	0.65	114.60	1.53	75.14	2.94
27	Ferndale	00871-3	Easton	475	21	0	353,129	1,028	0.64	743.43	2.16	343.51	1.00
28	Flying Hills	00777-1	Reading	1,756	48	0	351,153	1,917	0.64	199.97	1.09	183.18	9.00
29	Hokes	00587-4	York	816	17	2	346,921	1,743	0.63	425.15	2.14	199.04	0.00
30	Leesport	00811-1	Hamburg	1,490	33	0	344,188	2,247	0.63	231.00	1.51	153.18	0.00
31	Shawnee	00837-3	Stroudsburg	1,241	25	1	340,048	3,464	0.62	274.01	2.79	98.17	0.71
32	W. Boyertown	00715-1	Boyertown	1,681	24	1	335,377	2,483	0.61	199.51	1.48	135.07	0.94
33	South Hamburg	00801-1	Hamburg	2,055	37	1	321,024	2,595	0.58	156.22	1.26	123.71	0.00
34	South Hamburg	00745-1	Hamburg	1,211	9	2	312,972	2,560	0.57	258.44	2.11	122.25	1.00
35	Annvile	00743-2	Lebanon	1,135	25	0	312,838	2,203	0.57	275.63	1.94	142.01	4.99
36	Mountain	00742-4	Dillsburg	1,423	23	1	311,971	3,549	0.57	219.23	2.49	87.90	1.01
37	Hamilton	00789-4	Hanover	1,559	40	0	307,001	1,986	0.56	196.92	1.27	154.58	6.46
38	Lincoln Park	00750-1	Reading	896	19	1	304,915	1,738	0.56	340.31	1.94	175.44	2.00

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

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

In addition to specific remedial efforts taken and planned for the worst performing 5% of circuits identified in 52 Pa Code § 57.195(e)(3), the Companies have identified circuits that have been on this list for one year or more, or in four out of six quarters, in accordance with the Stratified Management and Operations Audit Implementation Plan dated February 14, 2007, Recommendation XI-4 at Docket Number D-05MGT003.

Penn Power						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Conneaut	W-173	<i>Performance was driven by trees on right-of way (72%) and trees off right-of way-tree (12%).</i>			2Q 2013
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-13	3Q 2013
			Reliability job to install fuses	Complete	Dec-13	4Q 2013 1Q 2014
2	Hickory	W-245	<i>Performance was driven by non-preventable trees (82%) and trees off right-of way-limb (15%).</i>			2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Forestry to trim circuit	Complete	Jun-13	
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Jun-13	
			Circuit inspection	Complete	Jun-13	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-13	
			Reliability job to install recloser	Complete	Mar-14	
Forestry to trim circuit	Complete	Feb-14				
3	Jamestown	W-162	<i>Performance was driven by trees off right-of way-tree (39%), equipment failure (15%), trees/not preventable (11%) and line failure (11%).</i>			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Nov-13	
			Repair equipment failure	Complete	Feb-14	
4	Bessemer	D-394	<i>Performance was driven by overload (29%), lightning (17%), trees off right-of way-tree (16%) and line failure (16%).</i>			
			Repaired line failure	Complete	Jan-14	
			Transferred load to reduce overload	Complete	Jan-14	

Penn:Power							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
5	Hermitage	W-260	<i>Performance was driven by line failure (62%), trees/not preventable (16%) and lightning (6%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Mar-13		
			Circuit inspection	Complete	Apr-13		
			Equipment that was damaged by wind was replaced at time of restoration	Complete	Jun-13		
			CEMI improvement project on the main feed of the circuit	Complete	Jul-13		
			Forestry to trim circuit	Complete	Nov-13		
			Reliability job to install fuses	Complete	Nov-13		
			Reliability job to install fuses	Complete	Feb-14		
Forestry to trim circuit	Complete	Mar-14					
6	Sharon	W-135	<i>Performance was driven by trees/not preventable (79%), trees off right-of way-limb (8%) and lightning (4%).</i>				2Q 2013 3Q 2013 4Q 2013 1Q 2014
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Apr-13		
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Nov-13		
			Reliability job to install fuses	Complete	Mar-14		
			Forestry to trim circuit	Complete	Mar-14		
7	Stoneboro	W-130	<i>Performance was driven by trees on right-of way (49%), trees off right-of way-tree (32%) and lightning (7%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-13		
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Nov-13		
			CEMI improvement project on the main feed of the circuit	Complete	Jan-14		

Penn Power						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
8	Mercer	W-167	<i>Performance was driven by trees off right-of-way-tree (54%), trees/not preventable (23%) and trees on right-of-way (11%).</i>			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jun-13	
			Reliability job to install fuses	Complete	Nov-13	
			Forestry to trim circuit	Complete	Nov-13	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Nov-13	
Reliability job to install fuses	Complete	Mar-14				
9	Sharpsville	W-218	<i>Performance was driven by vehicle (46%), lightning (27%) and trees/not preventable (19%).</i>			
			Pole was replaced and associated repairs made at the time of restoration.	Complete	Dec-13	
	Silver Street	W-268	<i>Performance was driven by two outages, one outage was caused by a steel roof being blown into a line during a storm (66%) and one outage was caused by an equipment failure (6%) during switching.</i>			
			Steel roof was removed and associated repairs were made at time of restoration	Complete	Apr-13	
			Equipment was replaced and associated repairs were made at time of restoration	Complete	Dec-13	
			Reliability job to install fuses	Complete	Jan-14	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
1	Union City	00206-43	<i>Performance was driven by damage from a tornado (22%), non-preventable trees (35%) and equipment failure (23%).</i>				
			Add additional protection per circuit coordination	Complete	Dec-12	4Q 2012	
			Full cycle tree clearing	Complete	Dec-12	1Q 2013	
			Repair damage caused by a tornado	Complete	May-13	2Q 2013	
			Repair damage caused by a tree	Complete	Jun-13	3Q 2013	
			Repair tree damage from a minor storm	Complete	Jul-13	4Q 2013	
			Repair equipment failure	Complete	Nov-13	1Q 2014	
2	Union City	00425-43	<i>Performance was driven by damage from a tornado (97%).</i>				2Q 2013
			Repair tornado damage	Complete	May-13	3Q 2013	
			Circuit inspection	To be completed 2014		4Q 2013	
						1Q 2014	
3	East Pike	00095-13	<i>Performance was driven by equipment failure (92%) and line failure (4%) during minor storm.</i>				
			Repair equipment failure	Complete	May-13	4Q 2012	
			Repair equipment failure	Complete	Oct-13	1Q 2013	
			Repair line failure	Complete	Nov-13	2Q 2013	
			Repair equipment failure	Complete	Jan-14	3Q 2013	
			Install additional fault indicators	To be completed 2014		4Q 2013	
						1Q 2014	
4	Madera	00165-22	<i>Performance was driven by non-preventable trees (53%) and equipment failure (37%) during a storm.</i>				
			Add additional protection per circuit coordination	Complete	Feb-13	4Q 2012	
			Repair equipment failure	Complete	Apr-13	1Q 2013	
			Repair damage caused by trees during a storm	Complete	May-13	2Q 2013	
			Repair equipment failure	Complete	May-13	3Q 2013	
			Circuit inspection	Complete	Aug-13	4Q 2013	
						1Q 2014	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
5	Springboro	00237-52	<i>Performance was driven by non-preventable trees (71%) during a minor storm and equipment failure (25%).</i>				
			Repair equipment failure	Complete	Feb-13		
			Repair damage caused by a tree	Complete	Jun-13	2Q 2013	
			Add additional protection per circuit coordination	Complete	Jun-13	3Q 2013	
			Repair tree damage from minor storm	Complete	Oct-13	4Q 2013	
			Repair equipment failure	Complete	Dec-13	1Q 2014	
			Repair damage caused by trees during a storm	Complete	Mar-14		
6	Marienville	00328-51	<i>Performance was driven by non-preventable trees (96%) during minor storms.</i>				
			Repair damage caused by a tree	Complete	May-13	2Q 2013	
			Repair damage caused by trees during a storm	Complete	Jun-13	3Q 2013	
			Repair damage caused by a tree	Complete	Jul-13	4Q 2013	
			Repair damage caused by trees during a storm	Complete	Jul-13	1Q 2014	
			Full cycle tree clearing	To be completed 2014			
7	Madera	00166-22	<i>Performance was driven by line failure (62%) during a storm and non-preventable trees (22%).</i>				4Q 2012
			Repair tree damage	Complete	Jan-13	1Q 2013	
			Repair tree damage	Complete	May-13	2Q 2013	
			Repair damage caused by trees during a storm	Complete	May-13	3Q 2013	
			Repair line failure	Complete	Nov-13	4Q 2013	
8	Edinboro	00420-34	<i>Performance was driven by recloser operation, an unknown cause (80%) and lightning during minor storm (4%).</i>				
			Replace fuse after lightning strike.	Complete	Apr-13		
			Restored recloser operation of unknown cause	Complete	Oct-13		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
9	Phäpsburg	00162-22	<i>Performance was driven by non-preventable trees (45%) during storm and equipment failure (31%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Full cycle tree clearing	Complete	Dec-12		
			Repair damage caused by trees during a storm	Complete	May-13		
			Repair equipment failure	Complete	Jul-13		
			Repair equipment failure	Complete	Jul-13		
			Replace selected deteriorated equipment identified by circuit patrol	To be completed 2014			
10	Erie South	00259-31	<i>Performance was driven by line failure (36%), equipment failure (35%) and a car pole accident (13%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Add additional protection per circuit coordination	Complete	Jan-13		
			Repair damage caused by trees during a storm	Complete	Jan-13		
			Repair equipment failure	Complete	Mar-13		
			Repair damage caused by a vehicle	Complete	Apr-13		
			Repair line failure	Complete	Jul-13		
			Repair equipment failure	Complete	Dec-13		
			Full cycle tree clearing	To be completed 2014			
11	Logan	00700-81	<i>Performance was driven by non-preventable trees (87%) during storm and a car pole accident (11%).</i>				4Q 2012 1Q 2013 2Q 2013 4Q 2013 1Q 2014
			Repair tree damage	Complete	Oct-12		
			Repair vehicle damage	Complete	May-13		
			Repair damage caused by trees during a storm	Complete	Nov-13		
			Full cycle tree clearing	To be completed 2014			
12	Saxton	00524-73	<i>Performance was driven by non-preventable trees (69%) during minor storm.</i>				
			Repair damage caused by trees during a storm	Complete	Nov-13		
13	Seward	00075-11	<i>Performance was driven by non-preventable trees (45%) and line failure (45%) during minor storm.</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Add additional protection per circuit coordination	Complete	Mar-13		
			Repair line failure	Complete	May-13		
			Repair damage caused by a tree during a storm	Complete	Jun-13		
			Replace selected deteriorated equipment identified by circuit patrol	Complete	Apr-14		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
14	Union City	00207-43	<i>Performance was driven by damage during a tornado (60%), equipment failure (10%) and line failure (8%).</i>				4Q 2012 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair damage caused by a vehicle	Complete	Mar-13		
			Repair damage caused by a tornado	Complete	May-13		
			Repair line failure	Complete	Jul-13		
			Repair equipment failure	Complete	Feb-14		
			Full cycle tree clearing	To be completed 2014			
			Circuit inspection	To be completed 2014			
15	Williamsburg	00046-71	<i>Performance was driven by non-preventable trees (77%) during a storm and a vehicle accident (8%).</i>				2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair damage caused by trees during a storm	Complete	Jan-13		
			Repair vehicle damage	Complete	May-13		
			Repair damage caused by trees during a storm	Complete	Jun-13		
			Full cycle tree clearing	To be completed 2014			
16	Corry East	00440-43	<i>Performance was driven by non-preventable trees (95%) during a storm.</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair damage caused by trees during a storm	Complete	May-13		
			Circuit inspection	Complete	Jun-13		
			Full cycle tree clearing	Complete	Oct-13		
			Add additional protection per circuit coordination	Complete	Feb-14		
17	French Road	00223-31	<i>Performance was driven by equipment failure (50%), line contact (16%) and non-preventable trees (13%) during storm.</i>				
			Repair damage caused by trees during a storm	Complete	Jan-13		
			Repair line failure	Complete	Jul-13		
			Repair damage caused by a tree	Complete	Sep-13		
			Repair equipment failure	Complete	Dec-13		
			Repair equipment failure	Complete	Jan-14		
18	Tunkhannock	00533-65	<i>Performance was driven by non-preventable trees (47%) and equipment failure (31%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair damage caused by a tree	Complete	Nov-12		
			Repair equipment damage	Complete	Apr-13		
			Repair tree damage	Complete	Apr-13		
			Repair tree damage	Complete	May-13		
			Full cycle tree clearing	Complete	Oct-13		
			Repair damage caused by overload	Complete	Feb-14		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
19	Lake Como	00788-65	<i>Performance was driven by non-preventable trees (47%) and line failure (25%) during minor storm.</i>				
			Repair tree damage during a storm	Complete	Jan-13		
			Repair tree damage	Complete	Jul-13		
			Repair line failure	Complete	Jul-13		
			Repair damage caused by trees during a storm	Complete	Nov-13		
20	Rolling Meadows	00310-31	<i>Performance was driven by line failure (57%) and equipment failure (29%).</i>				
			Repair line failure	Complete	Dec-12	4Q 2012	
			Repair equipment failure	Complete	Jan-13	1Q 2013	
			Repair line failure	Complete	Feb-13	2Q 2013	
			Repair equipment failure	Complete	Feb-13	3Q 2013	
			Repair equipment failure	Complete	Mar-14	4Q 2013	
21	Elk Run	00622-23	<i>Performance was driven by line failure (54%) and non-preventable trees (32%) during a storm.</i>				
			Repair damage caused by trees during a storm	Complete	Nov-13		
			Repair line failure	Complete	Dec-13		
			Repair damage caused by trees	Complete	Feb-14		
22	Birmingham	00168-22	<i>Performance was driven by line failure (41%), equipment failure (33%) and non-preventable trees (18%) during a storm.</i>				
			Repair damage caused by trees during a storm	Complete	Apr-13	2Q 2013	
			Repair equipment failure	Complete	Jun-13	3Q 2013	
			Repair line failure	Complete	Sep-13	4Q 2013	
23	East Pike	00094-13	<i>Performance was driven by line failure (72%) during a minor storm and equipment failure (26%).</i>				
			Repair equipment failure	Complete	Jan-13	1Q 2013	
			Repair line failure	Complete	May-13	2Q 2013	
			Circuit inspection	Complete	Jun-13	3Q 2013	
			Repair equipment failure	Complete	Jun-13	4Q 2013	
			Repair line failure	Complete	Jul-13	1Q 2014	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
24	Blairsville East	00080-13	<i>Performance was driven by non-preventable trees (68%) during a storm and equipment failure (21%).</i>				2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Add additional protection per circuit coordination	Complete	Apr-13		
			Repair damage caused by trees during a storm	Complete	May-13		
			Repair equipment failure	Complete	May-13		
			Repair damage caused by a tree during a storm	Complete	Jun-13		
			Repair equipment failure	Complete	Feb-14		
25	Emlenton	00121-51	<i>Performance was driven by non-preventable trees (77%) and equipment failure (18%) during a storm.</i>				2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair damage caused by trees during a storm	Complete	Apr-13		
			Repair equipment damage	Complete	Apr-13		
			Repair damage caused by trees during a storm	Complete	Jun-13		
			Circuit inspection	Complete	Sep-13		
			Repair equipment failure	Complete	Jan-14		
26	Snakespring	00628-73	<i>Performance was driven by non-preventable trees (33%), equipment failure (26%) and lightning (21%) during a storm.</i>				
			Repair damage caused by lightning	Complete	May-13		
			Circuit inspection	Complete	Jun-13		
			Repair damage caused by trees during a storm	Complete	Jan-14		
			Repair equipment failure	Complete	Mar-14		
27	Starrucca	00744-65	<i>Performance was driven by a vehicle accident (87%).</i>				
			Repair damage caused by a vehicle	Complete	Mar-14		
28	Rockton Mountain	00138-21	<i>Performance was driven by non-preventable trees (82%) during a storm and equipment failure (13%).</i>				
			Repair damage caused by trees during a storm	Complete	Apr-13		
			Repair damage caused by trees during a storm	Complete	Jun-13		
			Repair damage caused by a tree	Complete	Dec-13		
			Repair equipment failure	Complete	Feb-14		
			Full cycle tree clearing	To be completed 2014			

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
29	Tiffany	00440-65	<i>Performance was driven by non-preventable trees (62%) and line failure (23%) during a storm.</i>				
			Repair line failure	Complete	Apr-13		
			Repair line failure	Complete	May-13		
			Repair damage caused by trees during a storm	Complete	Sep-13		
			Circuit inspection	Complete	Sep-13		
			Repair damage caused by trees during a storm	Complete	Nov-13		
30	Falls	00297-65	<i>Performance was driven by non-preventable trees (62%) during a storm and equipment failure (24%).</i>				
			Repair damage caused by a tree	Complete	Apr-13		
			Repair damage caused by a tree	Complete	Sep-13		
			Repair damage caused by overload	Complete	Feb-14		
			Add additional protection per circuit coordination	To be completed 2014			
31	Athens	00514-61	<i>Performance was driven by line failure (39%), equipment failure (28%) and a vehicle accident (18%).</i>				
			Circuit inspection	Complete	Jun-13		
			Repair line failure	Complete	Oct-13		
			Repair damage caused by a vehicle	Complete	Jan-14		
			Repair equipment failure	Complete	Mar-14		
32	Edgewood	00097-13	<i>Performance was driven by line failure (38%) and equipment failure (37%).</i>				
			Repair equipment damage	Complete	Jul-13		
			Repair line damage	Complete	Jul-13		
			Circuit inspection	Complete	Jun-13		
			Add additional protection per circuit coordination	Complete	Jan-14		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
33	DuBois	00124-23	<i>Performance was driven by non-preventable trees (50%), flooding (18%), equipment failure (13%) and a car pole accident (14%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair damage caused by a tree	Complete	Nov-12		
			Repair equipment failure	Complete	Dec-12		
			Repair equipment failure	Complete	Jan-13		
			Repair damage caused by trees during a storm	Complete	Jun-13		
			Repair equipment failure	Complete	Jun-13		
			Forced outage by EMA due to flooding	Complete	Jun-13		
			Repair vehicle damage	Complete	Nov-13		
			Repair damage caused by a tree	Complete	Dec-13		
Targeted main line reliability equipment replacement	Complete	Dec-13					
34	East Towanda	00525-62	<i>Performance was driven by line failure (36%), non-preventable trees (36%) and equipment failure (25%)</i>				
			Repair line failure	Complete	Jul-13		
			Repair equipment failure	Complete	Dec-13		
			Repair tree damage	Complete	Dec-13		
35	St. Benedict	00057-72	<i>Performance was driven by non-preventable trees (89%) during a storm.</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair equipment failure	Complete	Jan-13		
			Repair damage caused by trees during a storm	Complete	Jun-13		
36	Hopversville	00019-12	<i>Performance was driven by equipment failure (58%) and non-preventable trees (36%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair line failure	Complete	Dec-12		
			Repair damage caused by a tree	Complete	Sep-13		
			Add additional protection per circuit coordination	Complete	Oct-13		
			Repair equipment failure	Complete	Dec-13		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
37	Covington	00729-63	<i>Performance was driven by non-preventable trees (73%) and line failure (19%) during a storm.</i>				
			Repair damage caused by a vehicle	Complete	Jan-13		
			Repair line failure	Complete	Sep-13		
			Repair damage caused by trees during a storm	Complete	Sep-13		
			Add additional protection per circuit coordination	To be completed 2014			
			Full cycle tree clearing	To be completed 2014			
			Circuit inspection	To be completed 2014			
38	Mansfield	00559-63	<i>Performance was driven by lightning damage (69%) and equipment failure (27%) during a storm.</i>				
			Repair damage caused by lightning	Complete	Sep-13		
			Repair equipment damage	Complete	Sep-13		
39	Tiffany	00435-65	<i>Performance was driven by an unknown lockout (45%) and line failure (41%).</i>				
			Restore unknown lockout	Complete	Jan-14		
			Repair line failure	Complete	Mar-14		
40	Grandview	00354-51	<i>Performance was driven by non-preventable trees (43%) during a storm, line failure (27%) and a vehicle accident (18%).</i>				
			Repair damage caused by trees during a storm	Complete	Jul-13		
			Repair damage caused by trees during a storm	Complete	Nov-13		
			Repair damage caused by trees during a storm	Complete	Nov-13		
			Repair damage caused by a vehicle	Complete	Dec-13		
Repair line failure	Complete	Jan-14					
41	HiTop	00048-11	<i>Performance was driven by line failure (46%) and equipment failure (35%).</i>				
			Repair line failure	Complete	Oct-13		
			Repair equipment damage	Complete	Oct-13		
42	Edgewood	00089-13	<i>Performance was driven by a car pole accident (48%) and non-preventable trees (36%) during a storm.</i>				4Q 2012
			Full cycle tree clearing	Complete	Mar-13	1Q 2013	
			Repair damage from vehicle	Complete	Apr-13	3Q 2013	
			Repair damage caused by trees during a storm	Complete	Aug-13	4Q 2013 1Q 2014	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
43	Waverly	00164-66	<i>Performance was driven by non-preventable trees (65%) and object in contact with line (32%) during a storm.</i>				
			Removed object in contact with line	Complete	Jun-13		
			Repair damage caused by trees during a storm	Complete	Sep-13		
			Add additional protection per circuit coordination	To be completed 2014			
			Full cycle tree clearing	To be completed 2014			
44	Ralphton	00015-12	<i>Performance was driven by non-preventable trees (77%) during minor storm and a vehicle accident (18%).</i>				
			Repair damage caused by trees during a storm	Complete	Nov-13		
			Repair tree damage	Complete	Aug-13		
			Repair damage caused by a vehicle	Complete	Mar-14		
			Full cycle tree clearing	To be completed 2014			
			Circuit inspection	To be completed 2014			
45	Union City	00208-43	<i>Performance was driven by damage from a tornado (49%) and non-preventable trees (35%).</i>				2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair damage caused by a tree during a storm	Complete	Apr-13		
			Repair damage caused by a tornado	Complete	May-13		
			Add additional protection per circuit coordination	Complete	Dec-13		
46	Platea	00432-34	<i>Performance was driven by non-preventable trees (47%) and equipment failure (23%) during a storm.</i>				
			Repair damage caused by trees during a storm	Complete	Jul-13		
			Repair equipment failure	Complete	Aug-13		
47	Mansfield	00558-63	<i>Performance was driven by line failure (47%) and equipment failure (30%).</i>				
			Repair line failure	Complete	Aug-13		
			Repair overload damage	Complete	Sep-13		
			Repair equipment failure	Complete	Dec-13		
			Repair line failure	Complete	Jan-14		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
48	Marienville	00327-51	<i>Performance was driven by non-preventable trees during a minor storm (43%) and line failure (43%).</i>				
			Repair damage caused by trees	Complete	Apr-13		
			Repair damage caused by trees	Complete	May-13		
			Repair damage caused by trees during a storm	Complete	Jun-13		
			Repair line failure	Complete	Jan-14		
49	Lake Como	00787-65	<i>Performance was driven by equipment operation (38%) and equipment failure (11%) during snow and ice storm.</i>				
			Add additional protection per circuit coordination	Complete	Dec-12		
			Restored recloser operation during ice storm	Complete	Nov-13		
			Repair equipment damage	Complete	Nov-13		
50	Tionesta	00344-51	<i>Performance was driven by non-preventable trees (58%) during a storm and recloser operation from an unknown cause (35%).</i>				4Q 2012 1Q 2013 4Q 2013 1Q 2014
			Circuit inspection	Complete	Sep-13		
			Repair damage caused by trees during a storm	Complete	Nov-13		
			Repair damage caused by trees during a storm	Complete	Nov-13		
			TIM patrolled line and restored recloser operation of unknown cause	Complete	Nov-13		
			Add additional protection per circuit coordination	Complete	Mar-14		
			Full cycle tree clearing	To be completed 2014			
51	Clearfield	00148-21	<i>Performance was driven by non-preventable trees (85%) and equipment failure (10%) during a storm.</i>				
			Repair damage caused by trees	Complete	May-13		
			Repair damage caused by a tree	Complete	Jul-13		
			Circuit inspection	Complete	Aug-13		
			Repair equipment damage	Complete	Nov-13		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
52	Timbin	00115-23	<i>Performance was driven by non-preventable trees (51%) during a storm and line failure (40%).</i>				
			Repair damage caused by trees during a storm	Complete	Apr-13		
			Repair line failure	Complete	Nov-13		
			Repair line failure	Complete	Jan-14		
			Add additional protection per circuit coordination	Complete	Apr-14		
			Replace selected deteriorated equipment identified by circuit patrol	To be completed 2014			
53	Mount Union	00154-82	<i>Performance was driven by a car pole accident (56%) and non-preventable trees (28%) during a storm.</i>				
			Add additional protection per circuit coordination	Complete	Dec-12		
			Repair damage caused by trees during a storm	Complete	Jun-13		
			Repair damage caused by a vehicle	Complete	Nov-13		
54	Pittsburgh Avenue	00524-31	<i>Performance was driven by equipment failure (62%), animal contact (22%) and line failure (8%)</i>				4Q 2012 1Q 2013 2Q 2013 4Q 2013 1Q 2014
			Circuit inspection	Complete	Jul-13		
			Restored circuit breaker following animal contact	Complete	Oct-13		
			Repair equipment damage	Complete	Oct-13		
			Repair line failure	Complete	Jan-14		
			Add additional protection per circuit coordination	To be completed 2014			
55	Knox	00325-51	<i>Performance was driven by line failure (74%) and non-preventable trees (12%) during a minor storm.</i>				
			Repair equipment failure	Complete	Apr-13		
			Repair equipment failure	Complete	Apr-13		
			Repair equipment failure	Complete	Jan-14		
56	Mine 40	00277-11	<i>Performance was driven by a car pole accident (89%).</i>				
			Repair damage caused by a vehicle	Complete	Aug-13		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
57	Powell Avenue	00237-31	<i>Performance was driven by recloser operation of an unknown cause (40%) during minor storm and a vehicle accident (34%).</i>			
			Repair line failure	Complete	May-13	
			Repair damage caused by a vehicle	Complete	Jun-13	
			Restored recloser operation of unknown cause	Complete	Mar-14	
58	Tionesta Jct. Sw. Sta.	00498-51	<i>Performance was driven by non-preventable trees (55%) and equipment failure (34%) during a storm.</i>			4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair equipment damage	Complete	Dec-12	
			Repair equipment damage	Complete	Jan-13	
			Repair equipment damage	Complete	Jun-13	
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Install additional fault indicators	Complete	Jan-14	
			Off right-of-way tree trim identified by circuit patrol	To be completed 2014		
59	Logan	00701-81	<i>Performance was driven equipment failure (69%) and non-preventable trees (30%) during a storm.</i>			
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Repair equipment failure	Complete	Mar-14	
			Full cycle tree clearing	To be completed 2014		
60	Huntingdon	00189-82	<i>Performance was driven by overload (100%) during a minor storm.</i>			
			Restore circuit breaker from overload	Complete	Mar-14	
61	Buffalo Road	00201-31	<i>Performance was driven by non-preventable trees (77%) during a storm and equipment failure (14%).</i>			
			Repair equipment failure	Complete	Sep-13	
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Full cycle tree clearing	Complete	Mar-14	
			Circuit inspection	To be completed 2014		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
62	Thompson	00436-65	<i>Performance was driven by trees non-preventable (53%), blown fuse of unknown cause (21%) and a vehicle accident (7%).</i>			4Q 2012 1Q 2013 2Q 2013 1Q 2014
			Repair damage caused by trees during a storm	Complete	Jun-13	
			Repair damage caused by trees	Complete	Sep-13	
			Repair damage caused by a vehicle	Complete	Jan-14	
			Circuit inspection	To be completed 2014		
63	Youngsville	00256-41	<i>Performance was driven by non-preventable trees (38%) during a minor storm.</i>			
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Repair damage caused by trees	Complete	Dec-13	
			Add additional protection per circuit coordination	Complete	Mar-14	
	Viscose Hill	00116-81	<i>Performance was driven by non-preventable trees (97%) during a storm.</i>			
			Add additional protection per circuit coordination	Complete	Jun-13	
			Repair damage caused by trees	Complete	Jul-13	
			Full cycle tree clearing	To be completed 2014		
	Cooper	00069-11	<i>Performance was driven by non-preventable trees (81%).</i>			
			Repair damage caused by a tree	Complete	Jul-13	
			Full cycle tree clearing	To be completed 2014		
			Circuit inspection	To be completed 2014		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Timbin	00103-23	<i>Performance was driven by equipment failure (40%), non-preventable trees (13%) and car pole accidents (9%).</i>			4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013
			Repair equipment failure	Complete	Jun-13	
			Repair damage caused by a tree	Complete	Jul-13	
			Circuit inspection	Complete	Sep-13	
			Repair damage caused by a vehicle	Complete	Nov-13	
			Install additional fault indicators	To be completed 2014		
			Full cycle tree clearing	To be completed 2014		
	Emeigh	00951-22	<i>Performance was driven by a car pole accident (96%).</i>			
			Repair damage caused by a vehicle	Complete	Dec-13	
			Add additional protection per circuit coordination	To be completed 2014		
			Circuit inspection	To be completed 2014		
	Shavville	00151-21	<i>Performance was driven by lightning (33%) and equipment failure (23%) during a storm.</i>			4Q 2012 1Q 2013 2Q 2013 4Q 2013
			Circuit inspection	Complete	Aug-13	
			Repair equipment damage	Complete	Oct-13	
			Add additional protection per circuit coordination	Complete	Dec-13	
			Full cycle tree clearing	To be completed 2014		
	Warren South	00220-41	<i>Performance was driven by non-preventable trees (38%) during a minor storm and a car pole accident (40%).</i>			4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013
			Repair damage caused by a tree	Complete	Oct-13	
			Repair damage caused by a vehicle	Complete	Mar-13	
			Repair damage caused by a tree	Complete	May-13	
			Repair damage caused by trees during a storm	Complete	Nov-13	
	Belleville	00124-81	<i>Performance was driven by equipment failure (72%) during a storm and recloser operation unknown cause(17%).</i>			1Q 2013 2Q 2013 3Q 2013 4Q 2013
			Repair equipment failure	Complete	Jan-13	
			Add additional protection per circuit coordination	Complete	May-13	
			Restored recloser operation of unknown cause	Complete	Sep-13	

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Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Madera	00147-22	<i>Performance was driven by non-preventable trees (66%) during a storm and equipment failure (21%).</i>			
			Repair damage caused by trees during a storm	Complete	Jan-13	1Q 2013
			Repair damage caused by trees during a storm	Complete	May-13	2Q 2013
			Repair equipment failure	Complete	Aug-13	3Q 2013
			Add additional protection per circuit coordination	Complete	Oct-13	4Q 2013
	Main Street	00575-63	<i>Performance was driven by recloser operation unknown cause (93%).</i>			1Q 2013
			TIM patrolled whole circuit and restored recloser operation of unknown cause	Complete	Feb-13	2Q 2013
						3Q 2013
						4Q 2013
	DuBois	00137-23	<i>Performance was driven by non-preventable trees (34%), equipment failure (34%) and car pole accident (15%).</i>			1Q 2013
			Repair damage caused by a tree	Complete	Mar-13	2Q 2013
			Repair equipment damage	Complete	Jun-13	3Q 2013
			Repair damage caused by a vehicle	Complete	Sep-13	4Q 2013
	Salix	00070-11	<i>Performance was driven by non-preventable trees and a line failure during a minor storm.</i>			4Q 2012
			Repair line failure	Complete	Dec-12	1Q 2013
			Full cycle tree clearing	Complete	May-13	2Q 2013
			Repair damage caused by trees during a storm	Complete	Jun-13	3Q 2013
	Philpsburg	00164-22	<i>Performance was driven by equipment failure and a car pole accident.</i>			4Q 2012
			Repair equipment failure	Complete	Dec-12	1Q 2013
			Add additional protection per circuit coordination	Complete	Mar-13	2Q 2013
			Repair damage caused by a vehicle	Complete	Jun-13	3Q 2013
	Holidaysburg	00202-71	<i>Performance was driven by non-preventable trees and lightning during a minor storm.</i>			4Q 2012
			Repair damage caused by trees during a storm	Complete	Dec-12	1Q 2013
			Full cycle tree clearing	Complete	Feb-13	2Q 2013
			Repaired damage caused by lightning during storm	Complete	Jul-13	3Q 2013
	Saxton	00625-73	<i>Performance was driven by line failure and trees non-preventable during a storm.</i>			4Q 2012
			Repair line failure	Complete	Sep-12	1Q 2013
			Repair damage caused by trees	Complete	Jul-13	2Q 2013
						3Q 2013

Met:Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Ottsville	00661-3	<i>Performance was driven by trees non-preventable (62%) and line failure (29%).</i>			
			Comprehensive tree trimming	Complete	Dec-13	2Q 2013
			Perform wood pole inspection	Complete	Mar-14	3Q 2013
			Install additional tap fuses	To be completed in 2014		4Q 2013 1Q 2014
2	Fox Hill	00816-3	<i>Performance was driven by equipment failure (59% ) and trees non-preventable (20%).</i>			
			Replace porcelain cutouts on backbone with polyomer	Complete	Oct-13	2Q 2013
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13	3Q 2013
			Replace crossarms identified during circuit assessment	Complete	Jan-14	4Q 2013
			Comprehensive circuit assessment	Complete	Apr-14	1Q 2014
Forestry to perform mid-cycle inspection	To be completed in 2014					
3	S. Nazareth	00809-3	<i>Performance was driven by trees non-preventable (37%), lightning (15%) and vehicle accident (14%).</i>			
			Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Dec-13	2Q 2013
			Install fault indicators	Complete	Dec-13	3Q 2013
			Perform wood pole inspection	Complete	Mar-14	4Q 2013
			Replace main line crossarm from assessment	To be completed in 2014		1Q 2014
			Install additional Supervisory Control And Data Acquisition (SCADA) switch	To be completed in 2014		
Replace poles identified during wood pole inspection	To be completed in 2014					

Met-Ed							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
4	N. Bangor	00826-3	<i>Performance was driven by equipment failure (58%) and trees non-preventable (22%).</i>				
			Forestry to perform mid-cycle inspection	Complete	Nov-12	4Q 2012	
			Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Apr-13	1Q 2013	
			Replace sectionalizer with SCADA MOAB	Complete	Jun-13	2Q 2013	
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13	3Q 2013	
			Comprehensive tree trimming	To be completed in 2014		4Q 2013	
			Install single phase tie switch	To be completed in 2014		1Q 2014	
5	Newberry	00577-4	<i>Performance was driven by trees non-preventable (64%) and equipment failure (35%).</i>				
			Comprehensive circuit assessment	Complete	Jan-14		
			Perform accelerated backbone, three phase circuit and single phase circuit assessment.	Complete	Jan-14		
			Forestry to perform off cycle comprehensive circuit tree patrol	To be completed in 2014			
			Replace/Repair high priority items identified during circuit patrol	To be completed in 2014			
			Comprehensive tree trimming	To be completed in 2014			
6	Flying Hills	00776-1	<i>Performance was driven by underground line failure (65%) and a vehicle accident (26%).</i>				
			Engineering review for the creation of an additional circuit tie	Complete	Dec-12	4Q 2012	
			Engineering circuit inspection	Complete	Dec-12	1Q 2013	
			Spot forestry patrol	Complete	Dec-12	2Q 2013	
			Spot tree trimming and removals (Freemansville Road)	Complete	May-13	3Q 2013	
			Replace underground cable in Flying Hills URD	Complete	Aug-13	4Q 2013	
			Install additional set of main line disconnects	Complete	Aug-13	1Q 2014	
			Perform accelerated backbone and three phase circuit assessment	Complete	Sep-13		
			Spot tree removal Hickory Rd	Complete	Sep-13		
			Mid-cycle backbone and three phase forestry inspection	Complete	Mar-14		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
7	Birdsboro	00756-1	Performance was driven by equipment failure (46%), trees non-preventable (34%) and a forced outage due to line failure (16%).			4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Spot main line tree trimming and removals	Complete	Oct-12	
			Proactive every other month main line forestry inspection	Complete	Nov-12	
			Replace main line crossarm from assessment	Complete	Dec-12	
			Spot tree trimming and removals	Complete	Dec-12	
			Proactive every other month main line forestry inspection	Complete	Feb-13	
			Spot tree trimming and removals	Complete	Mar-13	
			Install main line tap fuse and fault indicators	Complete	May-13	
			Comprehensive circuit patrol	Complete	Jun-13	
			Proactive every other month main line forestry inspection	Complete	Jun-13	
			Main line crossarm brace repair from comprehensive circuit patrol	Complete	Jun-13	
			Main line pole top repair from comprehensive circuit patrol	Complete	Jun-13	
			Spot tree trimming and removals	Complete	Aug-13	
			Proactive every other month main line forestry inspection	Complete	Sep-13	
			Spot tree trimming and removals	Complete	Oct-13	
			Upgrade main line recloser and customer re-distribution project	Complete	Oct-13	
			Replace main line crossarm from assessment	Complete	Oct-13	
			Perform accelerated backbone and three phase assessment	Complete	Dec-13	
			Install additional main line recloser	Complete	Jan-14	
			Install additional main line fault indicators	Complete	Jan-14	
			Perform accelerated backbone and three phase assessment	Complete	Mar-14	
			Install additional main line tap fusing	To be completed in 2014		
			Main line switch arrester repairs from assessment	To be completed in 2014		
Main line arrester repairs from comprehensive circuit patrol	To be completed in 2014					
Upgrade additional main line recloser	To be completed in 2014					
Comprehensive tree trimming	To be completed in 2014					

Met-Ed							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
8	Birdsboro	00757-1	<i>Performance was driven by trees non-preventable (63%) and equipment failures (33%).</i>				
			Spot main line tree trimming and removals	Complete	Oct-12		
			Proactive every other month main line forestry inspection	Complete	Nov-12		
			Spot tree trimming and removals	Complete	Dec-12		
			Proactive every other month main line forestry inspection	Complete	Feb-13		
			Spot tree trimming and removals	Complete	Mar-13		
			Replace additional main line crossarms from assessment	Complete	Apr-13	4Q 2012	
			Proactive every other month main line forestry inspection	Complete	Jun-13	1Q 2013	
			Comprehensive circuit patrol	Complete	Jun-13	2Q 2013	
			Spot tree trimming and removals	Complete	Aug-13	3Q 2013	
			Proactive every other month main line forestry inspection	Complete	Sep-13	4Q 2013	
			Spot tree trimming and removals	Complete	Oct-13	1Q 2014	
			Main line crossarm repairs from comprehensive circuit patrol	Complete	Mar-14		
			Comprehensive tree trimming	To be completed in 2014			
			Upgrade main line recloser	To be completed in 2014			
			Install new main line recloser	To be completed in 2014			
Install remote operated main line switches	To be completed in 2014						
9	Barbo	00705-1	<i>Performance was driven by trees non-preventable (42%), equipment failure (21%) and line failure (18%).</i>				4Q 2012
			Spot forestry inspection	Complete	Nov-12	1Q 2013	
			Spot forestry inspection	Complete	Apr-13	2Q 2013	
			Perform accelerated backbone assessment	Complete	Sep-13	3Q 2013	
			Replace main line crossarm from assessment	Complete	Sep-13	4Q 2013	
			Mid-cycle backbone and three phase forestry inspection	Complete	Apr-14	1Q 2014	

Met-Ed							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
10	Shawnee	00895-3	<i>Performance was driven by equipment failure (64%) and trees non-preventable (27%).</i>				4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair split pole top found on circuit assessment	Complete	Oct-12		
			Correct fuse coordination	Complete	Oct-12		
			Comprehensive tree trimming	Complete	Oct-12		
			Replace porcelain cutouts on recloser backbone with polymer cutouts	Complete	May-13		
			Install additional Supervisory Control And Data Acquisition (SCADA) switch	Complete	Jul-13		
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13		
			Upgrade step transformer	To be completed in 2014			
			Replace switch	To be completed in 2014			
11	Mountain	00744-4	<i>Performance was driven by trees non-preventable (69%) and equipment failure (11 %).</i>				4Q 2012 1Q 2013 2Q 2013 4Q 2013 1Q 2014
			Perform partial post Hurricane Sandy accelerated circuit reliability assessment of main line	Complete	Nov-12		
			Perform partial post Hurricane Sandy accelerated circuit reliability assessment of three phase	Complete	Nov-12		
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13		
			Comprehensive tree trimming	To be completed 2014			
12	Mt. Rose	00564-4	<i>Performance was driven by trees non-preventable (89%).</i>				
			Perform accelerated backbone and three phase circuit assessment	Complete	Jan-14		
			Comprehensive tree trimming	Complete	Mar-14		
13	Bath	00873-3	<i>Performance was driven by vehicle accidents (71%).</i>				4Q 2012 1Q 2013 2Q 2013 1Q 2014
			Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Sep-13		
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13		
			Comprehensive tree trimming	To be completed 2014			

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
14	Allen	00501-4	Performance was driven by vehicle accident (59%) and equipment failure while emergency backfeeding an adjacent circuit (30%).			
			Replaced 13 poles identified during the pole inspection	Complete	Mar-13	
15	Straban	00676-4	Performance was driven by trees non-preventable (73%) and animal contacts (15%).			2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Perform partial accelerated circuit reliability assessment of main line	Complete	Jun-13	
			Perform partial accelerated circuit reliability assessment of three phase	Complete	Jun-13	
			Perform switch maintenance on two gang operated air break switches	Complete	Jul-13	
			Perform partial accelerated circuit reliability assessment of three phase	Complete	Jul-13	
			Comprehensive tree trimming	Complete	Jul-13	
			Replace one crossarm identified on partial main line assessment	Complete	Jul-13	
Perform circuit reconfiguration to improve circuit reliability	To be completed 2014					
16	Tolna	00793-4	Performance was driven by object (roof) contacting line (75%).			2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Install additional fault indicators on the circuit	Complete	Oct-12	
			Replace/Repair high priority items identified during circuit patrol	Complete	Aug-13	
			Perform accelerated backbone, three phase, and single phase circuit assessment.	Complete	Feb-14	
			Replace/Repair high priority items identified during circuit patrol	Complete	Mar-14	
17	Bern Church	00789-1	Performance was driven by trees non-preventable (34%), equipment failure (24%) and vehicle accident (22%).			4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Replace additional underground cable in Plum Creek Estates underground residential distribution	Complete	Oct-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Sep-13	
			Install additional main line fault indicators	Complete	Dec-13	
			Repair main line ridge pins from assessment	Complete	Mar-14	
			Complete engineering for substation relay upgrade	Complete	Mar-14	
			Comprehensive tree trimming	To be completed in 2014		
			Wood pole inspections	To be completed in 2014		
Upgrade substation relays	To be completed in 2014					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
18	Birdsboro	00760-1	<i>Performance was driven by line failure (41%) and trees preventable (32%).</i>			
			Complete comprehensive circuit patrol	Complete	May-13	
			Comprehensive tree trimming	To be completed 2014		
19	Glendon	00819-3	<i>Performance was driven by vehicle accidents (98%)</i>			
			Replace pole damaged by accident and remove slack span	To be completed in 2014		
20	Tona	00792-4	<i>Performance was driven by vehicle accidents (94%)</i>			
			Perform accelerated backbone, three phase and single phase circuit assessment.	Complete	Feb-14	
			Forestry to perform off cycle comprehensive circuit tree patrol	To be completed in 2014		
21	Newberry	00575-4	<i>Performance was driven by trees non-preventable (46%) and vehicle accidents (30%)</i>			
			Perform accelerated backbone, three phase and single phase circuit assessment.	Complete	Jan-14	
			Forestry to perform off cycle comprehensive circuit tree patrol	Complete	Mar-14	
			Comprehensive tree trimming	To be completed in 2014		
			Replace/Repair high priority items identified during circuit patrol	To be completed in 2014		
22	Dillsburg	00748-4	<i>Performance was driven by trees non-preventable (63%) and equipment failure (20%).</i>			
			Perform radio controlled tie switch inspection	Complete	Aug-13	
			Install three one phase electronic resettable sectionalizers to improve circuit backbone reliability	Complete	Sep-13	
			Comprehensive tree trimming	To be completed in 2014		
23	Crossroads	00728-4	<i>Performance was driven by an unknown outage during a lightning storm (55%) and trees non-preventable (27%).</i>			
			Perform accelerated backbone assessment	Complete	Nov-13	
			Forestry to perform off cycle comprehensive circuit tree patrol	Complete	Apr-14	
24	Windsor	00795-4	<i>Performance was driven by lightning (50%) and equipment failure (20%).</i>			1Q 2013 3Q 2013 4Q 2013 1Q 2014
			Comprehensive tree trimming	Complete	Dec-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Apr-13	
			Perform accelerated circuit reliability assessment of single phase	Complete	Apr-13	
			Perform accelerated circuit reliability assessment of backbone	Complete	Apr-13	
			Replace/repair high priority items identified during circuit patrol	Complete	Jul-13	

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
25	Hill	00737-4	<i>Performance was driven by vehicle accidents (82%).</i>			
			Comprehensive circuit assessment	Complete	Oct-13	
			Provide additional tie capacity on the circuit	To be completed in 2014		
			Forestry to perform off cycle comprehensive circuit tree patrol	To be completed in 2014		
			Replace/Repair high priority items identified during circuit patrol	To be completed in 2014		
26	Shawnee	00860-3	<i>Performance was driven by trees non-preventable (81%).</i>			1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Repair conditioned items from circuit assessment	Complete	Dec-12	
			Comprehensive tree trimming	Complete	Apr-13	
			Replace sectionalizer with Supervisory Control And Data Acquisition (SCADA MOAB)	Complete	Aug-13	
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13	
			Replace sectionalizer with Supervisory Control And Data Acquisition (SCADA MOAB)	Complete	Mar-14	
27	Ferndale	00871-3	<i>Performance was driven by trees non-preventable (53%) and a vehicle accident (20%).</i>			
			Install Supervisory Control And Data Acquisition (SCADA) controlled switch	To be completed in 2014		
28	Flying Hills	00777-1	<i>Performance was driven by line failure (37%), trees non-preventable (24%) and trees preventable (20%).</i>			
			Mid-cycle backbone and three phase forestry inspection	Complete	Apr-14	
29	Hokes	00587-4	<i>Performance was driven by trees preventable (60%).</i>			
			Replace/Repair high priority items identified during circuit patrol	Complete	Mar-13	
			Install additional animal guarding to protect the circuit three phase	Complete	Oct-13	
			Comprehensive tree trimming	To be completed in 2014		
			Install additional fuse to protect the circuit backbone	To be completed in 2014		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
30	Leesport	00811-1	<i>Performance was driven by vehicle accidents (55%) and equipment failure (45%).</i>			4Q 2012 1Q 2013 2Q 2013 3Q 2013 4Q 2013 1Q 2014
			Spot forestry inspection	Complete	Nov-12	
			Engineering review for the installation of an additional main line recloser	Complete	Dec-12	
			Replace additional main line crossarm from assessment	Complete	Apr-13	
			Replace main line crossarm brace from assessment	Complete	Apr-13	
			Replace tap insulator from comprehensive circuit patrol	Complete	Apr-13	
			Complete comprehensive circuit patrol	Complete	May-13	
			Complete work request design for new main line recloser	Complete	Aug-13	
			Install fuse/bypass on main line	Complete	Oct-13	
			Install main line arresters	Complete	Oct-13	
			Install additional main line recloser	Complete	Nov-13	
			Main line pole top repair from comprehensive circuit patrol	To be completed in 2014		
			Main line crossarm repair from comprehensive circuit patrol	To be completed in 2014		
31	Shawnee	00837-3	<i>Performance was driven by trees non-preventable (93%).</i>			
			Replace sectionalizer with Supervisory Control And Data Acquisition (SCADA NOAB)	To be completed in 2014		
32	W. Boyertown	00715-1	<i>Performance was driven by equipment failure (68%) and underground line failure (21%).</i>			
			Comprehensive circuit patrol	Complete	Oct-12	
			Replace main line regulator	Complete	Apr-13	
			Replace submersible transformer with pad mounted transformer	Complete	Jun-13	
			Replace additional submersible transformer with pad mounted transformer	Complete	Jul-13	
			Install main line tap fuses	To be completed in 2014		
Wood pole inspections	To be completed in 2014					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
33	South Hamburg	00801-1	<i>Performance was driven by equipment failure (80%).</i>			
			Comprehensive circuit assessment	Complete	Apr-13	
			Replace crossarm from assessment	Complete	Nov-13	
			Replace main line insulator	Complete	Feb-14	
			Replace arrester from assessment	To be completed in 2014		
			Replace crossarm brace from assessment	To be completed in 2014		
			Replace crossarms from assessment	To be completed in 2014		
34	South Hamburg	00745-1	<i>Performance was driven by animal-caused outages (92%).</i>			
			Comprehensive tree trimming	Complete	Dec-12	
			Comprehensive circuit assessment	Complete	Aug-13	
			Perform accelerated backbone and three phase assessment	Complete	Dec-13	
			Substation equipment repairs	Complete	Dec-13	
			Install animal protection at tie switch	Complete	Feb-14	
			Replace main line crossarm from assessment	To be completed in 2014		
Replace spacers in main line from assessment	To be completed in 2014					
35	Annville	00743-2	<i>Performance was driven by trees non-preventable (90%).</i>			
			Complete comprehensive circuit patrol	Complete	Jan-13	
			Replace broken switch	Complete	Jul-13	
			Replace crossarm	Complete	Jan-14	
			Replace crossarm	Complete	Jan-14	
			Replace Pole	Complete	Jan-14	
Mid-cycle backbone and three phase forestry inspection	To be completed in 2014					
36	Mountain	00742-4	<i>Performance was driven by trees non-preventable (48%) and equipment failure (43%).</i>			
			Perform accelerated circuit reliability assessment of main line	Complete	Oct-13	
			Perform accelerated circuit reliability assessment of three phase	Complete	Oct-13	
			Comprehensive tree trimming	To be completed in 2014		
37	Hamilton	00789-4	<i>Performance was driven by equipment failure (70%), vehicle accidents (16%) and trees non-preventable (8%).</i>			
			Perform accelerated circuit reliability assessment of main line	Complete	Nov-13	
			Comprehensive tree trimming	To be completed in 2014		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
38	Lincoln Park	00750-1	<i>Performance was driven by underground line failure (55%) and vehicle accidents (34%).</i>			
			Replace underground cable in Grove Ave underground residential development	Complete	Aug-13	
			Create back feed to Grove Ave underground residential development	Complete	Aug-13	
			Install main line fault indicators	To be completed in 2014		
			Install main line tap fuses	To be completed in 2014		
			Comprehensive circuit assessment	To be completed in 2014		
			Comprehensive tree trimming	To be completed in 2014		
	Snydersville	00621-3	<i>Performance was driven by equipment failure (91%).</i>			
			Replace crossarm found during circuit assessment	Complete	Oct-12	4Q 2012
			Perform accelerated backbone and three phase assessment	Complete	Oct-13	1Q 2013
			Replace substation recloser and add remote control	Complete	Oct-13	2Q 2013
			Correct fuse coordination	Complete	Dec-13	3Q 2013
			Comprehensive tree trimming	To be completed in 2014		4Q 2013
	N. Bangor	00813-3	<i>Performance was driven by trees non-preventable (43%) and line failure (32%).</i>			1Q 2013
			Forestry to perform on mid-cycle tree trimming	Complete	Dec-12	2Q 2013
			Install new electronic recloser	Complete	Sep-13	3Q 2013
			Mid-cycle backbone and three phase forestry inspection	To be completed in 2014		4Q 2013
	North Lebanon	00712-2	<i>Performance was driven by vehicle accidents (76%).</i>			
			Replace Broken Switch 71216	Complete	Apr-13	4Q 2012
			Replace deteriorated crossarm	Complete	Jul-13	1Q 2013
			Replace recloser and control with triple single unit	Complete	Aug-13	2Q 2013
			Perform accelerated backbone circuit assessment	Complete	Oct-13	3Q 2013
			Comprehensive tree trimming	Complete	Nov-13	
			Comprehensive circuit assessment	To be completed 2014		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Broad Street	00776-2	<i>Performance was driven by equipment failure and vehicle accident (70%).</i>			1Q 2013 2Q 2013 3Q 2013 4Q 2013
			Comprehensive tree trimming	Complete	Dec-12	
			Replace underground cable - seven spans	Complete	Feb-13	
			Repair broken switch - 77666	Complete	Aug-13	
			Install additional main line recloser	To be completed 2014		
	Northwood	00808-3	<i>Performance was driven by equipment failure (72%) and line failure (26%).</i>			
			Perform accelerated backbone and three phase circuit assessment	Complete	Jan-14	
			Comprehensive tree trimming	To be completed 2014		
			Replace sectionalizer with Supervisory Control And Data Acquisition (SCADA MOAB)	To be completed 2014		
	Birchwood	00623-3	<i>Performance was driven by equipment failure (65%).</i>			
			Comprehensive circuit assessment	To be completed 2014		
			Comprehensive tree trimming	To be completed 2014		
	Wind Gap	00600-3	<i>Performance was driven by vehicle accidents (66%) and animals (20%).</i>			
			Comprehensive circuit assessment	Complete	Mar-14	
			Install new electronic recloser	To be completed in 2014		
	Lynnville	00735-1	<i>Performance was driven by an insulator problem (62%) and non-preventable tree outages (17%).</i>			
			Main line insulator repair	Complete	Feb-13	
			Comprehensive tree trimming	Complete	Nov-13	
			Comprehensive circuit patrol	Complete	Jan-14	
			Install additional main line disconnects	To be completed 2014		

Met-Ed						
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	South Hamburg	00743-1	<i>Performance was driven by crossarm problems (46%) and non-preventable tree outages (38%).</i>			
			Comprehensive tree trimming	Complete	Dec-12	
			Replace main line crossarm from backbone assessment	Complete	Jan-13	
			Comprehensive circuit patrol	Complete	Sep-13	
			Replace additional main line crossarms from backbone assessment	Complete	Sep-13	
			Install additional main line recloser	To be completed in 2014		
	Bern Church	00791-1	<i>Performance was driven by wind and trees during a storm (90%)</i>			
			Perform accelerated backbone and three phase circuit assessment	Complete	Sep-13	
			Comprehensive tree trimming	To be completed in 2014		
	Myerstown	00752-2	<i>Performance was driven by lightning and an animal contact outages which contributed (94%).</i>			
			Comprehensive tree trimming	Complete	Jul-13	
			Comprehensive circuit assessment	To be completed 2014		

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Joint 1st<sup>h</sup> Quarter 2014 Reliability Report** :  
**– Metropolitan Edison Company,** :  
**Pennsylvania Electric Company and** :  
**Pennsylvania Power Company – Public** :  
**Version** :

**CERTIFICATE OF SERVICE**

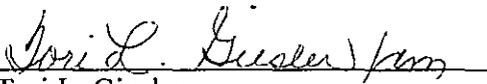
I hereby certify that I have this day served a true and correct copy of the foregoing document upon the individuals listed below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

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APR 30 2014

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