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May 1, 2015

VIA UNITED PARCEL SERVICE

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

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MAY - 1 2015

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

**Re: Joint 1st Quarter 2015 Reliability Report – Metropolitan Edison Company,
Pennsylvania Electric Company, Pennsylvania Power Company and West Penn
Power Company – Public Version**

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of Metropolitan Edison Company, Pennsylvania Electric Company, Pennsylvania Power Company and West Penn Power Company (collectively, the "Companies") are two copies of the Joint 1st Quarter 2015 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)
- D. Washko - Bureau of Technical Utility Services (via email and first class mail)

PennPower
A FirstEnergy Company

Penelec
A FirstEnergy Company

Met-Ed
A FirstEnergy Company

**WestPenn
Power**
A FirstEnergy Company



Joint 2015 1st Quarter Reliability Report

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

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

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**Joint 1st Quarter 2015 Reliability Report –
Pennsylvania Power Company,
Pennsylvania Electric Company,
Metropolitan Edison Company, and
West Penn Power Company**

MAY - 1 2015

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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

Major Events

None of the Companies experienced a major event during the reporting period ending March 31, 2015.

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

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

Reliability Index Values

IQ 2015 (12-Mo Rolling)	Penn Power			Penelec			Met-Ed			West Penn Power		
	Benchmark	12-Month Standard	12- Month Actual	Benchmark	12-Month Standard	12- Month Actual	Benchmark	12-Month Standard	12- Month Actual	Benchmark	12-Month Standard	12- Month Actual
SAIFI	1.12	1.34	0.99 ²	1.26	1.52	1.50	1.15	1.38	1.09 ³	1.05	1.26	1.02 ⁴
CAIDI	101	121	104	117	141	123	117	140	122	170	204	135 ⁴
SAIDI	113	162	103 ²	148	213	185	135	194	133 ³	179	257	138 ⁴
MAIFI ⁵			1.20			4.11			0.95			
Customers Served ⁶	157,959			582,294			552,123			710,563		
Number of Sustained Interruptions	2,982			11,301			8,416			10,147		
Customers Affected	155,672			875,520			601,401			728,001		
Customer Minutes	16,216,776			107,959,098			73,296,613			98,248,427		
Number of Customer Momentary Interruptions	189,436			2,390,841			525,124					

² Penn Power achieved better than benchmark performance.

³ Met-Ed achieved better than benchmark performance.

⁴ West Penn Power achieved better than benchmark SAIFI, CAIDI, and SAIDI performance.

⁵ MAIFI values are not available for West Penn Power.

⁶ 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, Met-Ed, and West Penn Power’s rankings of the 5% Worst Performing Circuits are provided in Attachment A to this report.

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, Met-Ed, and West Penn Power'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

Outage by Cause				
1st Quarter 2015 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
Trees Off ROW - Tree	5,000,655	443	45,474	14.86%
Animal	730,810	410	8,600	13.75%
Lightning	1,522,950	372	10,594	12.47%
Bird	332,290	332	4,033	11.13%
Equipment Failure	1,479,544	315	13,359	10.56%
Line Failure	2,825,360	272	22,690	9.12%
Trees Off ROW - Limb	1,253,678	211	10,784	7.08%
Unknown	616,812	153	12,187	5.13%
Vehicle	1,252,501	83	9,500	2.78%
Trees - Sec/Service	37,000	77	211	2.58%
Overload	60,757	58	853	1.95%
Previous Lightning	28,182	42	214	1.41%
Ice	186,665	40	602	1.34%
Forced Outage	101,163	38	2,413	1.27%
Human Error - Non-Company	193,696	33	1,338	1.11%
Trees On ROW	88,576	30	872	1.01%
Human Error - Company	62,077	25	5,703	0.84%
Customer Equipment	251,346	15	4,627	0.50%
Object Contact With Line	34,092	13	286	0.44%
UG Dig-Up	14,432	13	142	0.44%
Wind	129,869	3	1,044	0.10%
Other Electric Utility	12,033	2	126	0.07%
Other Utility - Non Electric	2,225	1	19	0.03%
Vandalism	63	1	1	0.03%
Total	16,216,776	2,982	155,672	100.00%

Proposed Solutions – Penn Power

Trees Off ROW - Tree

Forestry Services reviews the trees off ROW 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 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.

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 Company's 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.

Outages by Cause – Penelec

Outage by Cause				
1st Quarter 2015 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
Equipment Failure	27,790,621	3,319	295,089	29.37%
Unknown	9,318,072	2,028	97,892	17.95%
Trees Off ROW - Tree	29,794,380	1,095	156,189	9.69%
Animal	2,384,663	1,043	26,235	9.23%
Line Failure	15,473,245	906	124,402	8.02%
Forced Outage	4,184,636	743	49,002	6.57%
Lightning	2,367,305	338	16,513	2.99%
Trees Off ROW - Limb	2,697,828	325	19,949	2.88%
Trees - Sec/Service	442,862	317	1,353	2.81%
Bird	649,275	269	6,717	2.38%
Vehicle	5,775,013	257	39,183	2.27%
Human Error - Company	2,517,220	190	14,899	1.68%
Human Error - Non-Company	1,738,197	94	10,228	0.83%
Trees On ROW	1,097,388	89	4,423	0.79%
Overload	298,737	51	6,453	0.45%
UG Dig-Up	61,869	37	308	0.33%
Other Electric Utility	176,922	36	1,023	0.32%
Object Contact With Line	389,749	33	1,592	0.29%
Ice	8,441	29	43	0.26%
Previous Lightning	4,952	23	35	0.20%
Customer Equipment	19,215	18	102	0.16%
Fire	177,623	18	609	0.16%
Wind	473,926	17	1,178	0.15%
Vandalism	33,118	13	321	0.12%
Other Utility - Non Electric	29,376	7	88	0.06%
Contamination	1,916	3	9	0.03%
Switching Error	52,549	2	1,685	0.02%
Call Error	-	1	-	0.01%
Total	107,959,098	11,301	875,520	100.00%

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 inspects the each circuit in its entirety (from substation to meter), including 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 outage data and investigates 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 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 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

Outage by Cause				
1st Quarter 2015 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
Equipment Failure	18,215,700	2,350	175,209	27.92%
Animal	2,136,658	1,352	31,637	16.06%
Unknown	6,222,166	1,124	63,949	13.36%
Trees Off ROW - Tree	13,407,936	647	56,118	7.69%
Line Failure	7,648,360	553	53,543	6.57%
Trees Off ROW - Limb	4,439,312	383	27,027	4.55%
Lightning	1,599,193	362	19,061	4.30%
Forced Outage	3,182,696	320	66,224	3.80%
Bird	947,834	300	13,254	3.56%
Vehicle	7,594,714	285	56,050	3.39%
Trees On ROW	4,115,918	282	16,163	3.35%
Trees - Sec/Service	316,339	116	817	1.38%
Ice	1,549,851	79	3,552	0.94%
Human Error - Non-Company	513,562	71	4,407	0.84%
Overload	255,780	57	3,441	0.68%
Object Contact With Line	673,986	40	3,547	0.48%
Customer Equipment	29,306	24	370	0.29%
Previous Lightning	10,195	20	94	0.24%
UG Dig-Up	218,286	16	681	0.19%
Human Error - Company	135,094	12	4,708	0.14%
Fire	73,260	10	852	0.12%
Vandalism	513	5	5	0.06%
Contamination	2,833	4	32	0.05%
Other Electric Utility	75	1	1	0.01%
Other Utility - Non Electric	1,068	1	6	0.01%
Switching Error	5,120	1	640	0.01%
Wind	858	1	13	0.01%
Total	73,296,613	8,416	601,401	100.00%

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

An 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.

Outages by Cause – West Penn Power

Outage by Cause				
1st Quarter 2015 12-Month Rolling	West Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
Equipment Failure	17,496,130	2,383	158,539	23.48%
Unknown	8,572,183	1,610	69,770	15.87%
Trees Off ROW - Tree	25,430,212	1,204	100,025	11.87%
Forced Outage	8,845,119	1,148	145,489	11.31%
Line Failure	12,282,028	922	68,974	9.09%
Animal	1,406,287	878	21,979	8.65%
Trees On ROW	6,317,056	430	29,893	4.24%
Trees Off ROW - Limb	4,277,289	362	25,530	3.57%
Vehicle	8,418,414	343	59,468	3.38%
Bird	686,285	227	6,517	2.24%
Trees - Sec/Service	302,391	202	1,074	1.99%
Lightning	2,145,574	168	11,017	1.66%
Human Error - Non-Company	1,053,974	95	10,030	0.94%
Human Error - Company	166,408	35	11,090	0.34%
UG Dig-Up	58,577	34	291	0.34%
Object Contact With Line	153,156	33	1,749	0.33%
Customer Equipment	108,728	19	1,480	0.19%
Overload	160,040	19	2,025	0.19%
Fire	17,366	11	69	0.11%
Vandalism	131,814	9	1,657	0.09%
Previous Lightning	2,432	5	5	0.05%
Other Electric Utility	170,400	4	384	0.04%
Wind	37,132	3	226	0.03%
Switching Error	9,334	2	718	0.02%
Other Utility - Non Electric	98	1	2	0.01%
Total	98,248,427	10,147	728,001	100.00%

Proposed Solutions – West Penn Power

Equipment Failure

West Penn Power addresses equipment failures using a three-prong approach. The first step is to conduct pole by pole reviews of main line hardware and correct any deficiencies found. The second step is a review of the entire overhead circuit, visiting all locations on a six-year cycle. The third step is conducting an engineering review and root cause analysis of all distribution circuit lockouts. The number of equipment failures is mitigated through these programs and the follow up corrective actions. 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.

Unknown

There are numerous events, which are typically transient in nature, that result in outages with an unknown cause. Procedures are in place for field personnel to investigate recurring outages on a specific sectionalizing device. Experience has shown that very few of the outage events classified as unknown are recurrent in nature. West Penn Power also employs a root cause analysis process for all circuit lockouts that includes field patrols of all unknown outage causes.

Trees Off ROW-Tree

West Penn Power's danger tree program consists of removing, or significantly reducing in height, dead, diseased or damaged trees located outside the boundary of the right-of-way that pose a threat to service reliability or the integrity of the line under any weather condition. In 2012, West Penn Power also began a program targeting ash trees impacted by the Emerald Ash Borer. This has been an ongoing effort, continuing throughout 2014 and into 2015. These programs are in addition to the cycle tree trimming program for trimming circuits on a periodic schedule.

Section 57.195(e)(6): Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/objectives (for first, second and third quarter reports only).

Inspection and Maintenance 2015		Penn Power			Penelec			Met-Ed			West Penn Power		
		Planned	Completed		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD
Forestry	Transmission (Miles)	53.31	30.93	30.93	526.65	109.05	109.05	262.27	0	0	168.99	11.84	11.84
	Distribution (Miles)	1,122	284	284	3,791	592	592	2,305	393	393	4,559	1,019	1,019
Transmission	Aerial Patrols	2	0	0	2	0	0	2	1	1	2	0	0
	Groundline	0	0	0	0	0	0	1,127	0	0	0	0	0
Substation	Substation Inspections Class A	146	73	73	802	401	401	422	211	211	980	490	490
	Substation Inspections Class B	146	0	0	802	0	0	422	0	0	980	0	0
	Substation Inspections Class C	584	146	146	3,208	802	802	1,688	422	422	3,920	980	980
	Transformers	112	0	0	598	178	178	343	16	16	551	145	145
	Breakers	10	0	0	242	30	30	71	71	23	428	25	25
	Relay Schemes	33	0	0	153	44	44	96	40	40	160	11	11
Distribution	Capacitors	998	977	977	8,766	8,766	8,766	4,753	4,753	4,753	1,304	1,304	1,304
	Poles	11,000	0	0	41,111	8,687	8,687	29,055	6,608	6,608	52,889	21,788	21,788
	Reclosers	791	75	75	2,571	0	0	1,085	455	455	3,762	2,731	2,731
	Radio-Controlled Switches	Penn Power has no radio-controlled switches			2,466	6	6	284	12	12	West Penn Power has no radio-controlled switches		

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 Expenditures⁷

Penn Power						
T&D O&M – 1Q / YTD March 2015 (\$)						
Transmission						
Category	Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget	
560	Operation Supervision and Engineering	71	-	71	-	-
561	Load Dispatching	35,797	38,319	35,797	38,319	113,534
562	Station Expenses	-	-	-	-	-
563	Overhead Lines Expenses	-	-	-	-	-
565	Transmission of Electricity by Others	2,241,903	1,714,190	2,241,903	1,714,190	7,203,360
566	Miscellaneous Transmission Expenses	9,177	7,238	9,177	7,238	34,009
567	Rents	0	-	0	-	-
568	Maintenance Supervision and Engineering	2,395	2,405	2,395	2,405	10,899
569	Maintenance of Structures	7,356	22,882	7,356	22,882	84,131
570	Maintenance of Station Equipment	916	762	916	762	3,047
571	Maintenance of Overhead Lines	2,592	(18,491)	2,592	(18,491)	(78,786)
572	Maintenance of Underground Lines	-	-	-	-	-
573	Maintenance of Miscellaneous Transmission Plant	569	-	569	-	-
575	Market Administration, Monitoring & Compliance Services	8,336	6,650	8,336	6,650	20,035
Transmission Total		2,309,112	1,773,954	2,309,112	1,773,954	7,390,229
Distribution						
Category	Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget	
580	Operation Supervision and Engineering	0	-	0	-	-
581	Load Dispatching	-	-	-	-	-
582	Station Expenses	560	-	560	-	-
583	Overhead Line Expenses	2,042	-	2,042	-	-
584	Underground Line Expenses	30,282	106,007	30,282	106,007	570,310
586	Meter Expenses	22,082	21,521	22,082	21,521	84,654
587	Customer Installations Expenses	-	-	-	-	-
588	Miscellaneous Distribution Expenses	467,311	192,475	467,311	192,475	782,299
589	Rents	84,415	79,747	84,415	79,747	318,986
590	Maintenance Supervision and Engineering	29,418	25,238	29,418	25,238	98,110
591	Maintenance of Structures	-	-	-	-	-
592	Maintenance of Station Equipment	175,253	46,210	175,253	46,210	577,877
593	Maintenance of Overhead Lines	1,746,875	2,101,398	1,746,875	2,101,398	11,532,013
594	Maintenance of Underground Lines	82,535	(2,164)	82,535	(2,164)	(8,657)
595	Maintenance Line Transformer	-	-	-	-	-
596	Maintenance of Street Lighting and Signal Systems	55,365	-	55,365	-	-
597	Maintenance of Meters	129,166	64,488	129,166	64,488	271,630
598	Maintenance of Miscellaneous Distribution Plant	90,050	139,426	90,050	139,426	498,884
Distribution Total		2,915,355	2,774,345	2,915,355	2,774,345	14,726,106
Penn Power Total		5,224,467	4,548,299	5,224,467	4,548,299	22,116,335

⁷ Budgets are subject to change.

Penelec
T&D O&M – 1Q / YTD March 2015 (\$)

Transmission

Category		Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget
560	Operation Supervision and Engineering	7,822	4,722	7,822	4,722	18,466
561	Load Dispatching	238,838	357,683	238,838	357,683	1,412,098
562	Station Expenses	1,563	-	1,563	-	-
563	Overhead Lines Expenses	225,609	276,436	225,609	276,436	355,969
565	Transmission of Electricity by Others	3,504,487	3,712,620	3,504,487	3,712,620	16,480,442
566	Miscellaneous Transmission Expenses	194,430	113,769	194,430	113,769	514,740
567	Rents	795,948	824,073	795,948	824,073	3,344,046
568	Maintenance Supervision and Engineering	287,320	371,299	287,320	371,299	1,459,004
569	Maintenance of Structures	121,877	141,476	121,877	141,476	486,189
570	Maintenance of Station Equipment	615,129	105,092	615,129	105,092	426,117
571	Maintenance of Overhead Lines	1,056,474	1,942,337	1,056,474	1,942,337	10,264,838
572	Maintenance of Underground Lines	-	-	-	-	-
573	Maintenance of Miscellaneous Transmission Plant	24,459	-	24,459	-	-
575	Market Administration, Monitoring & Compliance Services	11,753	9,636	11,753	9,636	30,918
Transmission Total		7,085,709	7,859,143	7,085,709	7,859,143	34,792,827

Distribution

Category		Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget
580	Operation Supervision and Engineering	192,630	22,909	192,630	22,909	101,171
581	Load Dispatching	96,590	109,009	96,590	109,009	427,181
582	Station Expenses	70,666	-	70,666	-	-
583	Overhead Line Expenses	14,211	15,163	14,211	15,163	52,827
584	Underground Line Expenses	112,761	127,282	112,761	127,282	789,356
585	Distribution-Street Lighting & Signal System Expenses	-	-	-	-	-
586	Meter Expenses	127,191	169,355	127,191	169,355	717,586
587	Customer Installations Expenses	-	-	-	-	-
588	Miscellaneous Distribution Expenses	2,550,825	1,076,053	2,550,825	1,076,053	5,227,693
589	Rents	314,701	306,851	314,701	306,851	1,227,405
590	Maintenance Supervision and Engineering	132,928	114,966	132,928	114,966	445,602
591	Maintenance of Structures	-	-	-	-	-
592	Maintenance of Station Equipment	756,486	1,668,628	756,486	1,668,628	6,784,758
593	Maintenance of Overhead Lines	3,424,480	4,567,660	3,424,480	4,567,660	20,139,740
594	Maintenance of Underground Lines	176,509	(990)	176,509	(990)	175,254
595	Maintenance Line Transformer	-	-	-	-	-
596	Maintenance of Street Lighting and Signal Systems	207,858	665,186	207,858	665,186	2,692,017
597	Maintenance of Meters	408,320	426,823	408,320	426,823	1,788,857
598	Maintenance of Miscellaneous Distribution Plant	966,485	698,506	966,485	698,506	2,423,154
Distribution Total		9,552,638	9,967,401	9,552,638	9,967,401	42,992,600
Penelec Total		16,638,347	17,826,544	16,638,347	17,826,544	77,785,428

Met-Ed
T&D O&M – 1Q / YTD March 2015 (\$)

Transmission

Category		Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget
560	Operation Supervision and Engineering	6,846	4,526	6,846	4,526	17,503
561	Load Dispatching	203,176	385,163	203,176	385,163	1,491,628
562	Station Expenses	6,789	-	6,789	-	-
563	Overhead Lines Expenses	3,318	14,447	3,318	14,447	33,112
565	Transmission of Electricity by Others	4,359,386	3,665,767	4,359,386	3,665,767	16,390,649
566	Miscellaneous Transmission Expenses	194,647	105,750	194,647	105,750	444,540
567	Rents	203,389	208,893	203,389	208,893	835,574
568	Maintenance Supervision and Engineering	248,393	320,292	248,393	320,292	1,258,782
569	Maintenance of Structures	96,313	112,435	96,313	112,435	402,996
570	Maintenance of Station Equipment	468,350	565,943	468,350	565,943	2,389,753
571	Maintenance of Overhead Lines	578,465	1,037,686	578,465	1,037,686	5,550,301
572	Maintenance of Underground Lines	-	-	-	-	-
573	Maintenance of Miscellaneous Transmission Plant	75,739	43,608	75,739	43,608	218,250
575	Market Administration, Monitoring & Compliance Services	14,925	11,979	14,925	11,979	39,104
Transmission Total		6,459,736	6,476,490	6,459,736	6,476,490	29,072,193

Distribution

Category		Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget
580	Operation Supervision and Engineering	16,496	26,870	16,496	26,870	94,022
581	Load Dispatching	66,270	103,511	66,270	103,511	377,351
582	Station Expenses	171,899	128,830	171,899	128,830	621,931
583	Overhead Line Expenses	4,742	20,685	4,742	20,685	37,277
584	Underground Line Expenses	7,170	144,119	7,170	144,119	576,477
585	Distribution-Street Lighting & Signal System Expenses	-	-	-	-	-
586	Meter Expenses	131,072	168,056	131,072	168,056	738,286
587	Customer Installations Expenses	-	-	-	-	-
588	Miscellaneous Distribution Expenses	1,828,618	1,143,122	1,828,618	1,143,122	8,848,872
589	Rents	148,500	135,218	148,500	135,218	540,873
590	Maintenance Supervision and Engineering	120,690	105,034	120,690	105,034	407,244
591	Maintenance of Structures	2,466	5,270	2,466	5,270	17,728
592	Maintenance of Station Equipment	640,973	1,008,595	640,973	1,008,595	3,938,353
593	Maintenance of Overhead Lines	4,758,257	3,977,858	4,758,257	3,977,858	18,199,723
594	Maintenance of Underground Lines	407,768	493,663	407,768	493,663	2,028,332
595	Maintenance Line Transformer	18,796	98,575	18,796	98,575	394,300
596	Maintenance of Street Lighting and Signal Systems	172,056	61,157	172,056	61,157	251,887
597	Maintenance of Meters	380,946	450,884	380,946	450,884	1,774,920
598	Maintenance of Miscellaneous Distribution Plant	575,563	609,698	575,563	609,698	2,213,807
Distribution Total		9,452,284	8,681,145	9,452,284	8,681,145	41,061,383
Met-Ed Total		15,912,020	15,157,636	15,912,020	15,157,636	70,133,576

West Penn Power
T&D O&M – 1Q / YTD March 2015 (\$)

Transmission

Category		Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget
560	Operation Supervision and Engineering	8,387	5,066	8,387	5,066	19,812
561	Load Dispatching	277,698	518,234	277,698	518,234	2,074,497
562	Station Expenses	46,940	496,377	46,940	496,377	1,878,106
563	Overhead Lines Expenses	2,516	-	2,516	-	7,000
565	Transmission of Electricity by Others	8,227,336	7,505,322	8,227,336	7,505,322	29,981,264
566	Miscellaneous Transmission Expenses	64,940	88,010	64,940	88,010	347,572
567	Rents	65,852	65,848	65,852	65,848	263,394
568	Maintenance Supervision and Engineering	33,145	111,252	33,145	111,252	442,246
569	Maintenance of Structures	13,284	77,004	13,284	77,004	287,972
570	Maintenance of Station Equipment	698,067	55,662	698,067	55,662	252,380
571	Maintenance of Overhead Lines	1,343,688	592,952	1,343,688	592,952	3,992,661
572	Maintenance of Underground Lines	-	-	-	-	-
573	Maintenance of Miscellaneous Transmission Plant	-	-	-	-	-
575	Market Administration, Monitoring & Compliance Services	10	-	10	-	-
Transmission Total		10,781,865	9,515,727	10,781,865	9,515,727	39,546,903

Distribution

Category		Q1 Actuals	Q1 Budget	YTD Actuals	YTD Budget	Annual Budget
580	Operation Supervision and Engineering	30,994	29,418	30,994	29,418	123,987
581	Load Dispatching	318,998	339,484	318,998	339,484	1,439,153
582	Station Expenses	125,348	323,177	125,348	323,177	1,226,191
583	Overhead Line Expenses	464,925	511,681	464,925	511,681	1,333,065
584	Underground Line Expenses	205,589	243,675	205,589	243,675	974,363
586	Meter Expenses	188,494	160,021	188,494	160,021	733,731
587	Customer Installations Expenses	-	-	-	-	-
588	Miscellaneous Distribution Expenses	3,998,927	3,011,074	3,998,927	3,011,074	11,969,124
589	Rents	-	-	-	-	-
590	Maintenance Supervision and Engineering	115,772	103,726	115,772	103,726	401,360
591	Maintenance of Structures	-	-	-	-	-
592	Maintenance of Station Equipment	1,135,646	704,547	1,135,646	704,547	6,250,731
593	Maintenance of Overhead Lines	2,620,088	4,105,382	2,620,088	4,105,382	28,820,050
594	Maintenance of Underground Lines	191,201	236,520	191,201	236,520	1,706,905
595	Maintenance Line Transformer	-	-	-	-	-
596	Maintenance of Street Lighting and Signal Systems	330,392	212,176	330,392	212,176	803,116
597	Maintenance of Meters	291,215	364,791	291,215	364,791	1,381,068
598	Maintenance of Miscellaneous Distribution Plant	306,753	468,219	306,753	468,219	1,755,701
Distribution Total		10,324,342	10,813,890	10,324,342	10,813,890	58,918,545
West Penn Power Total		21,106,206	20,329,617	21,106,206	20,329,617	98,465,448

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 Expenditures⁸

Penn Power					
T&D Capital – 1Q/YTD March 2015 (\$)					
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget
Capacity	125,670	294,876	125,670	294,876	2,223,398
Condition	505,886	1,555,272	505,886	1,555,272	7,034,550
Facilities	9,434	8,817	9,434	8,817	956,803
Forced	1,057,905	372,435	1,057,905	372,435	2,041,265
Meter Related	236,911	(7,456)	236,911	(7,456)	(29,894)
New Business	1,220,486	919,575	1,220,486	919,575	2,547,564
Other	3,862,924	4,986,038	3,862,924	4,986,038	21,961,385
Reliability	1,081,546	865,511	1,081,546	865,511	2,532,325
Street Light	71,145	15,819	71,145	15,819	65,228
Tools & Equipment	61,968	74,981	61,968	74,981	323,145
Vegetation Management	1,090,928	998,155	1,090,928	998,155	3,992,187
Penn Power Total	9,324,802	10,084,022	9,324,802	10,084,022	43,647,957

Penelec					
T&D Capital – 1Q/YTD March 2015 (\$)					
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget
Capacity	3,254,778	2,552,540	3,254,778	2,552,540	5,883,018
Condition	3,608,728	6,170,724	3,608,728	6,170,724	25,235,991
Facilities	532,112	563,735	532,112	563,735	2,429,569
Forced	6,677,048	7,034,109	6,677,048	7,034,109	32,416,429
Meter Related	1,875,303	871,753	1,875,303	871,753	3,780,689
New Business	2,890,116	2,877,785	2,890,116	2,877,785	11,739,956
Other	(351,697)	5,996,720	(351,697)	5,996,720	29,531,666
Reliability	7,957,875	3,608,456	7,957,875	3,608,456	15,068,538
Street Light	595,314	462,894	595,314	462,894	1,864,142
Tools & Equipment	1,880,523	918,111	1,880,523	918,111	4,770,812
Vegetation Management	4,704,369	4,615,440	4,704,369	4,615,440	20,627,446
Penelec Total	33,624,468	35,672,267	33,624,468	35,672,267	153,348,258

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

⁸ Budgets are subject to change.

Met-Ed					
T&D Capital – 1Q/YTD March 2015 (\$)					
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget
Capacity	3,543,334	2,303,689	3,543,334	2,303,689	7,351,896
Condition	4,508,493	3,662,156	4,508,493	3,662,156	14,746,353
Facilities	469,249	238,119	469,249	238,119	3,895,007
Forced	4,644,696	5,860,567	4,644,696	5,860,567	21,860,758
Meter Related	1,345,515	886,049	1,345,515	886,049	3,864,460
New Business	3,763,215	2,666,931	3,763,215	2,666,931	12,437,644
Other	344,064	5,172,776	344,064	5,172,776	26,503,727
Reliability	2,806,439	1,384,862	2,806,439	1,384,862	6,533,178
Street Light	136,201	100,925	136,201	100,925	492,096
Tools & Equipment	386,525	200,777	386,525	200,777	946,073
Vegetation Management	1,678,445	1,020,111	1,678,445	1,020,111	5,116,770
Met-Ed Total	23,626,176	23,496,962	23,626,176	23,496,962	103,747,962

West Penn Power					
T&D Capital – 1Q/YTD March 2015 (\$)					
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget
Capacity	1,988,119	2,402,066	1,988,119	2,402,066	6,879,465
Condition	1,204,824	2,436,089	1,204,824	2,436,089	9,772,124
Facilities	359,637	446,721	359,637	446,721	5,988,783
Forced	4,182,780	7,979,411	4,182,780	7,979,411	28,791,843
Meter Related	1,184,505	676,403	1,184,505	676,403	2,570,325
New Business	6,544,051	4,980,985	6,544,051	4,980,985	25,459,848
Other	1,082,197	2,460,169	1,082,197	2,460,169	20,133,955
Reliability	1,587,155	1,492,662	1,587,155	1,492,662	7,112,923
Street Light	550,843	209,722	550,843	209,722	827,750
Tools & Equipment	794,544	259,067	794,544	259,067	1,698,880
Vegetation Management	9,466,112	7,812,392	9,466,112	7,812,392	31,277,667
West Penn Power Total	28,944,767	31,155,688	28,944,767	31,155,688	140,513,562

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

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 2015					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	27			
	Lineman	56			
Substation	Technician	4			
	Construction & Maintenance (C&M)	18			
Total		105			

Penelec 2015					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	109			
	Lineman	157			
Substation	Technician	6			
	Construction & Maintenance (C&M)	63			
Total		335			

Met-Ed 2015					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	56			
	Lineman	160			
Substation	Technician	15			
	Construction & Maintenance (C&M)	58			
Total		289			

West Penn Power 2015					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	71			
	Lineman	148			
Substation	Leader	14			
	Electrician	46			
Total		279			

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.

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.

Call-out Response

This portion of the report is confidential.

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

Penn Power													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Stoneboro	W-132	Clark	1,065	92	0	965,028	4,081	6.109	906	3.83	236	0.71
2	Mercer	W-129	Clark	1,616	73	0	875,483	3,826	5.542	542	2.37	229	0.63
3	Hadley	W-195	Clark	903	45	0	438,655	2,882	2.777	486	3.19	152	0.08
4	Canal	W-101	Clark	1,477	55	0	425,507	2,229	2.694	288	1.51	191	1.56
5	Stoneboro	W-131	Clark	1,404	91	0	347,063	2,252	2.197	247	1.60	154	0.34
6	Mercer	W-128	Clark	1,223	38	0	333,266	1,272	2.110	273	1.04	262	0.16
7	Jamestown	W-162	Clark	1,036	31	0	332,304	1,918	2.104	321	1.85	173	0.70
8	Hartstown	W-125	Clark	759	29	0	300,484	1,128	1.902	396	1.49	266	0.14
9	Hartstown	W-126	Clark	1,978	57	0	291,831	2,077	1.848	148	1.05	141	1.48

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Brooklyn	00749-65	Montrose	501	23	2	2,027,626	1,301	3.48	4,047	2.60	1,559	4.06
2	Punxsutawney	00625-23	DuBois	506	21	1	1,613,739	2,473	2.77	3,189	4.89	653	27.00
3	DuBois Central	00119-23	DuBois	1,362	42	0	1,309,643	3,431	2.25	962	2.52	382	0.78
4	Union City	00206-43	Erie	3,750	137	0	1,301,286	15,743	2.23	347	4.20	83	12.77
5	Madera	00166-22	Philipsburg	2,168	74	2	1,183,278	9,059	2.03	546	4.18	131	4.88
6	Warren South	00220-41	Warren	2,926	77	0	1,130,684	7,713	1.94	386	2.64	147	1.46
7	Boyer	00583-31	Erie	1,689	18	1	998,240	7,063	1.71	591	4.18	141	0.88
8	Thompson	00436-65	Montrose	1,341	77	0	956,829	3,498	1.64	714	2.61	274	6.87
9	Wyalusing	00532-62	Towanda	711	21	1	921,928	2,856	1.58	1,297	4.02	323	6.40
10	Millcreek	00052-11	Johnstown	1,054	21	2	756,999	4,449	1.30	718	4.22	170	1.07
11	East Pike	00095-13	Indiana	3,129	36	0	720,379	8,489	1.24	230	2.71	85	17.47
12	Union City	00208-43	Erie	1,247	37	2	696,330	3,314	1.20	558	2.66	210	20.77
13	East Towanda	00525-62	Towanda	639	36	0	681,366	2,099	1.17	1,066	3.28	325	3.18
14	Laceyville	00278-65	Montrose	360	8	0	640,200	663	1.10	1,778	1.84	966	0.00
15	Meyersdale North	00022-12	Somerset	1,449	25	0	628,758	2,297	1.08	434	1.59	274	1.98
16	Walnut Street	00520-31	Erie	1,652	15	1	607,625	2,343	1.04	368	1.42	259	18.79
17	McKean	00411-34	Erie	1,048	58	2	604,452	3,166	1.04	577	3.02	191	7.06
18	Tionesta Jct Sw Sta	00498-51	Oil City	1,086	46	0	603,387	6,067	1.04	556	5.59	99	15.93
19	Cooper	00069-11	Johnstown	680	30	2	599,998	3,097	1.03	882	4.55	194	18.95
20	Laporte	00772-62	Towanda	349	20	2	577,293	862	0.99	1,654	2.47	670	14.54
21	Rolling Meadows	00310-31	Erie	4,163	27	1	553,183	5,436	0.95	133	1.31	102	9.54
22	Marienville	00328-51	Oil City	1,198	40	1	549,814	3,270	0.94	459	2.73	168	24.11
23	Saxton	00625-73	Altoona	1,318	13	0	541,714	2,819	0.93	411	2.14	192	2.12
24	Green Garden	00224-31	Erie	1,958	31	1	525,225	3,113	0.90	268	1.59	169	5.00
25	Page Road	00445-43	Erie	654	34	1	520,230	2,222	0.89	795	3.40	234	7.62
26	DuBois	00137-23	DuBois	2,984	66	0	500,987	4,511	0.86	168	1.51	111	0.19
27	French Road	00222-31	Erie	1,683	14	2	500,882	5,461	0.86	298	3.24	92	9.73
28	Central City West	00029-12	Somerset	1,494	19	1	493,445	2,134	0.85	330	1.43	231	11.00
29	Meshoppen	00283-65	Montrose	358	23	1	484,110	1,076	0.83	1,352	3.01	450	0.00
30	Springboro	00237-52	Meadville	2,802	67	0	467,601	10,455	0.80	167	3.73	45	17.35
31	Marienville	00327-51	Oil City	745	14	0	466,842	1,298	0.80	627	1.74	360	5.68
32	Two Mile	00127-42	Bradford	1,295	29	0	465,075	3,848	0.80	359	2.97	121	7.56
33	N Meshoppen Tran	00531-65	Montrose	314	9	1	451,369	410	0.78	1,437	1.31	1,101	11.94
34	Salix	00070-11	Johnstown	1,751	36	1	440,127	3,688	0.76	251	2.11	119	0.74
35	Piney	00523-51	Oil City	1,191	39	0	431,143	3,290	0.74	362	2.76	131	8.36

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
36	Buffalo Road	00265-31	Erie	863	16	0	417,763	1,425	0.72	484	1.65	293	13.38
37	Thompson	00442-65	Montrose	655	30	0	416,835	1,074	0.72	636	1.64	388	9.27
38	Timblin	00116-23	DuBois	233	13	0	416,376	1,017	0.72	1,787	4.36	409	7.17
39	Union City	00207-43	Erie	845	46	3	412,658	2,626	0.71	488	3.11	157	6.64
40	McConnellstown	00099-82	Altoona	777	17	2	402,761	2,755	0.69	518	3.55	146	18.47
41	East Hickory	00201-41	Warren	338	18	3	400,585	2,345	0.69	1,185	6.94	171	34.06
42	N Meshoppen Tran	00534-65	Montrose	883	49	0	391,531	1,819	0.67	443	2.06	215	1.09
43	Birmingham	00168-22	Philipsburg	1,062	49	0	379,279	3,593	0.65	357	3.38	106	3.63
44	Kearsarge	00528-31	Erie	1,181	13	0	376,820	1,864	0.65	319	1.58	202	1.51
45	Glen Campbell	00680-21	Clearfield	457	21	0	359,167	958	0.62	786	2.10	375	8.25
46	Grandview	00354-51	Oil City	552	33	2	358,352	2,207	0.62	649	4.00	162	2.92
47	Emlenton	00322-51	Oil City	455	16	0	355,210	1,659	0.61	781	3.65	214	0.00
48	French Road	00223-31	Erie	2,186	20	2	342,267	3,379	0.59	157	1.55	101	0.66
49	Dixonville East	00120-13	Indiana	474	20	2	342,034	2,057	0.59	722	4.34	166	13.05
50	Brookville West	00121-23	DuBois	768	41	0	337,563	1,389	0.58	440	1.81	243	6.28
51	Salix	00071-11	Johnstown	1,781	37	0	334,739	3,304	0.57	188	1.86	101	1.00
52	North Warren	00596-41	Warren	1,119	52	0	333,386	3,289	0.57	298	2.94	101	3.11
53	Edinboro	00420-34	Erie	1,574	28	1	331,149	4,013	0.57	210	2.55	83	8.99
54	Lake City	00429-34	Erie	734	15	0	328,826	1,017	0.56	448	1.39	323	2.00
55	Belleville	00124-81	Lewistown	544	25	2	328,625	1,143	0.56	604	2.10	288	21.29
56	Philipsburg	00967-22	Philipsburg	820	7	1	325,848	1,699	0.56	397	2.07	192	11.52
57	Blairsville East	00082-13	Indiana	500	20	1	324,977	3,357	0.56	650	6.71	97	0.29
58	McVeytown	00112-81	Lewistown	1,352	33	1	323,979	1,691	0.56	240	1.25	192	19.41
59	Russell Hill	00282-65	Montrose	1,090	42	0	320,566	1,319	0.55	294	1.21	243	4.52
60	Bradford North	00103-42	Bradford	570	12	0	312,639	2,014	0.54	548	3.53	155	4.08
61	Logan	00701-81	Lewistown	1,325	23	0	302,772	2,423	0.52	229	1.83	125	6.37
62	Knox	00323-51	Oil City	1,320	31	0	301,662	1,871	0.52	229	1.42	161	3.55
63	Corry Central	00434-43	Erie	301	8	1	301,466	390	0.52	1,002	1.30	773	5.99

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Shawnee	00822-3	Stroudsburg	3,625	112	0	2,126,073	6,472	3.85	586.5	1.79	328.5	0
2	North Bangor	00826-3	Easton	3,163	111	0	1,710,369	4,823	3.10	540.74	1.52	354.63	0
3	Shawnee	00895-3	Stroudsburg	3,542	91	1	1,142,325	5,826	2.07	322.51	1.64	196.07	0.71
4	Fox Hill	00816-3	Stroudsburg	3,817	57	0	1,118,540	8,167	2.03	293.04	2.14	136.96	3
5	Birchwood	00623-3	Stroudsburg	1,312	37	1	1,090,612	2,876	1.98	831.26	2.19	379.21	0
6	Birdsboro	00756-1	Reading	1,516	75	2	977,441	7,999	1.77	644.75	5.28	122.2	1.78
7	North Cornwall	00610-2	Lebanon	1,630	41	1	925,147	6,362	1.68	567.57	3.9	145.42	9.3
8	S. Nazareth	00809-3	Easton	3,072	49	0	897,497	5,460	1.63	292.15	1.78	164.38	1
9	Snydersville	00621-3	Stroudsburg	1,760	30	2	892,604	5,266	1.62	507.16	2.99	169.5	0
10	Barto	00705-1	Boyertown	2,091	102	0	883,253	2,717	1.60	422.41	1.3	325.08	1
11	North Bangor	00813-3	Easton	1,408	34	1	862,805	4,052	1.56	612.79	2.88	212.93	0
12	Birchwood	00624-3	Stroudsburg	2,003	32	3	791,948	9,349	1.43	395.38	4.67	84.71	2
13	Birdsboro	00757-1	Reading	1,923	52	2	703,546	6,922	1.27	365.86	3.6	101.64	0.79
14	Allen	00502-4	Dillsburg	1,058	34	4	680,656	4,740	1.23	643.34	4.48	143.6	7.96
15	Annaville	00743-2	Lebanon	1,152	36	1	665,097	5,547	1.20	577.34	4.82	119.9	1
16	Newberry	00586-4	York	1,601	44	2	656,022	4,774	1.19	409.76	2.98	137.42	4.99
17	Bern Church	00789-1	Reading	1,421	51	0	610,359	2,373	1.11	429.53	1.67	257.21	2
18	Mountain	00744-4	Dillsburg	1,260	35	2	536,866	3,924	0.97	426.08	3.11	136.82	13.75
19	Birchwood	00622-3	Stroudsburg	1,822	29	2	535,656	4,358	0.97	293.99	2.39	122.91	0
20	Swatara Hill	00764-2	Lebanon	1,442	44	2	505,369	3,661	0.92	350.46	2.54	138.04	0
21	Shawnee	00860-3	Stroudsburg	3,067	51	0	494,856	5,527	0.90	161.35	1.8	89.53	1.69
22	Bernville	00786-1	Hamburg	1,813	68	0	484,447	4,353	0.88	267.21	2.4	111.29	0
23	Carsonia	00764-1	Reading	2,864	32	1	479,436	3,824	0.87	167.4	1.34	125.38	0
24	South Lebanon	00780-2	Lebanon	1,281	30	1	477,403	5,547	0.86	372.68	4.33	86.07	6.05
25	Moselem	00782-1	Reading	2,425	22	2	473,362	5,861	0.86	195.2	2.42	80.76	6
26	Third Street	00178-1	Reading	1,501	8	1	456,836	1,785	0.83	304.35	1.19	255.93	0
27	Leesport	00811-1	Hamburg	1,783	42	2	424,761	3,748	0.77	238.23	2.1	113.33	0.02
28	Bath	00873-3	Easton	2,116	25	1	419,549	3,976	0.76	198.27	1.88	105.52	0
29	Marshalls Creek	00128-3	Stroudsburg	505	14	1	419,194	628	0.76	830.09	1.24	667.51	1
30	Mountain	00740-4	Dillsburg	2,493	29	1	417,612	8,015	0.76	167.51	3.22	52.1	0
31	Newberry	00576-4	York	1,771	69	1	407,989	3,974	0.74	230.37	2.24	102.66	3.47
32	3rd and Green	00785-2	Lebanon	1,619	12	3	405,512	5,133	0.73	250.47	3.17	79	0.01
33	Weisenberg	00602-1	Hamburg	898	23	0	397,816	1,352	0.72	443	1.51	294.24	0
34	Annaville	00742-2	Lebanon	1,146	26	1	387,849	1,795	0.70	338.44	1.57	216.07	2.05

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
35	Windsor	00797-4	York	1,531	39	0	374,260	2,401	0.68	244.45	1.57	155.88	3
36	Bairs	00571-4	York	1,755	42	0	368,523	4,706	0.67	209.98	2.68	78.31	0.01
37	Lyons	00729-1	Reading	1,267	39	1	350,385	2,655	0.63	276.55	2.1	131.97	2
38	Allen	00503-4	Dillsburg	2,022	30	0	345,124	3,808	0.63	170.68	1.88	90.63	2.09

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	CAIDI	SAIFI
1	North Fayette	Beechcliff	McDonald	2,171	15	0	976,958	2,914	1.37	450.0	335.3	1.3
2	Galley	Waterdam	Washington Pa	1,594	9	0	953,699	2,408	1.34	598.3	396.1	1.5
3	West Waynesboro	Trinity	Waynesboro	2,172	23	2	853,578	5,547	1.20	393.0	153.9	2.6
4	Charleroi	Warner	Charleroi	1,283	19	2	843,229	3,904	1.19	657.2	216.0	3.0
5	Lake Lynn-Union	Fancy Hill	Uniontown	948	46	0	776,837	3,398	1.09	819.5	228.6	3.6
6	Cecil	Bishop	Boyce	1,546	45	2	751,360	5,665	1.06	486.0	132.6	3.7
7	Dutch Fork	Claysville	Washington Pa	1,607	58	2	745,160	4,908	1.05	463.7	151.8	3.1
8	North Fayette	Tyre	McDonald	1,507	27	2	718,490	4,317	1.01	476.8	166.4	2.9
9	Bethel Park	Dashwood	Boyce	2,119	23	1	710,378	7,408	1.00	335.2	95.9	3.5
10	North Fayette	Oakdale	McDonald	1,371	26	2	701,081	3,113	0.99	511.4	225.2	2.3
11	Robbins	Mt. Vernon	Jeannette	1,045	18	0	681,412	2,421	0.96	652.1	281.5	2.3
12	Westraver	Fellsburg	Charleroi	1,394	27	1	669,833	2,973	0.94	480.5	225.3	2.1
13	Westraver	Pittsburgh Coal	Charleroi	2,020	32	0	663,370	4,942	0.93	328.4	134.2	2.5
14	Butler	Center Ave	Butler	1,677	31	0	631,450	4,051	0.89	376.5	155.9	2.4
15	Cecil	Hendersonville	Boyce	2,022	15	1	602,385	3,284	0.85	297.9	183.4	1.6
16	Crossgates	Peters Twp	Boyce	1,223	26	2	593,597	3,062	0.84	485.4	193.9	2.5
17	Washington	Wade	Washington Pa	1,733	30	2	589,483	4,546	0.83	340.2	129.7	2.6
18	Murrycrest	Sardis Road	Jeannette	1,484	23	2	587,471	3,202	0.83	395.9	183.5	2.2
19	Peters	McMurray	Boyce	1,628	26	1	574,541	4,465	0.81	352.9	128.7	2.7
20	Avella	W. Middletown	Washington Pa	1,137	38	0	572,678	2,286	0.81	503.7	250.5	2.0
21	Smith	Francis Mine	McDonald	1,457	23	2	569,160	3,298	0.80	390.6	172.6	2.3
22	Fountaindale	Carroll Valley	Waynesboro	1,226	47	0	566,853	2,692	0.80	462.4	210.6	2.2
23	Piney Fork	Cochran Mill	Charleroi	1,071	8	1	523,570	2,098	0.74	488.9	249.6	2.0
24	Loyalhanna	Center Drive	Latrobe	1,259	26	2	516,941	4,702	0.73	410.6	109.9	3.7
25	Ethel Springs	Pandora	Latrobe	1,430	24	1	496,977	2,383	0.70	347.5	208.6	1.7
26	Luzerne	West Brownsville	Uniontown	1,083	6	0	471,953	2,582	0.66	435.8	182.8	2.4
27	Springfield Pike	North Bend	Pleasant Valley	1,443	21	1	463,514	2,340	0.65	321.2	198.1	1.6
28	Smithton	Yukon	Charleroi	1,313	24	0	462,277	2,560	0.65	352.1	180.6	2.0
29	Vanceville	Vanceville	Charleroi	1,378	28	0	457,936	2,045	0.64	332.3	223.9	1.5
30	Penn	Arlington	Jeannette	1,600	22	2	457,355	3,751	0.64	285.9	121.9	2.3
31	Kittanning	Garretts Run	Kittanning	1,698	24	1	448,684	4,820	0.63	264.2	93.1	2.8
32	Roundhill	Roundhill	Charleroi	956	20	1	446,954	2,143	0.63	467.5	208.6	2.2
33	Flintstone	Chaneyville	Hyndman	557	19	0	445,847	945	0.63	800.4	471.8	1.7
34	Fawn	Natrona	Arnold	2,975	17	1	444,190	5,064	0.62	149.3	87.7	1.7
35	Emporium	West Creek	St Marys	1,050	20	1	442,901	1,895	0.62	421.8	233.7	1.8

General Note: MAIFI values are not available for West Penn Power

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	CAIDI	SAIFI
36	St. Clair	Valley	Boyce	2,535	24	0	442,615	4,523	0.62	174.6	97.9	1.8
37	California	Malden	Charleroi	1,094	29	0	427,973	2,164	0.60	391.2	197.8	2.0
38	Buena Vista	Chicora	Butler	1,159	18	1	427,040	2,907	0.60	368.5	146.9	2.5
39	Gordon	Tyler	Washington Pa	1,884	15	2	424,888	3,907	0.60	225.5	108.8	2.1
40	Ethel Springs	New Derry	Latrobe	1,030	20	2	415,202	2,447	0.58	403.1	169.7	2.4

General Note: MAIFI values are not available for West Penn Power

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

Penn Power					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
1	Stoneboro	W-132	<i>Performance was driven by trees off ROW (62%), line failure (12%), and lightning (7%).</i>		
			Repair line failure	Complete	Oct-13
			Repair equipment failure	Complete	May-14
			Reliability job to install fuses	Complete	Jun-14
			Repair damage caused by tree	Complete	Sep-14
			Repair damage caused by tree	Complete	Dec-14
			Repair line failure	Complete	Feb-15
			Conduct thermal scan of circuit	Complete	Feb-15
			Enhanced tree trimming	To be completed 2015	
			Forestry to trim circuit	To be completed 2015	
2	Mercer	W-129	<i>Performance was driven by lightning (50%), trees off ROW (11%), planned outage (10%), animal (10%), and equipment failure (7%).</i>		
			Repair damage caused by tree	Complete	Apr-14
			Repair equipment failure	Complete	Aug-14
			Repair damage caused by tree	Complete	Nov-14
			Conduct thermal scan of circuit.	Complete	Feb-15
			Enhanced tree trimming	To be completed 2015	
3	Hadley	W-195	<i>Performance was driven by trees off ROW (36%), vehicle (24%), and line failure (12%).</i>		
			Repair damage caused by vehicle	Complete	Jul-14
			Repair damage caused by tree	Complete	Nov-14
			Repair line failure	Complete	Feb-15
			Conduct thermal scan of circuit	Complete	Feb-15
			Enhanced tree trimming	To be completed 2015	
4	Canal	W-101	<i>Performance was driven by trees off ROW (55%) and equipment failure (33%). No significant outages occurred on this circuit during the first quarter.</i>		
			Repair equipment failure	Complete	Jul-14
			Repair damage caused by tree	Complete	Sep-14
			Enhanced tree trimming	To be completed 2015	
			Forestry to trim circuit	To be completed 2015	

Penn Power					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
5	Stoneboro	W-131	<i>Performance was driven by trees off ROW (42%), equipment failure (15%), and line failure (9%).</i>		
			Repair damage caused by tree	Complete	May-14
			Reliability job to install fuses	Complete	Jun-14
			Repair damage caused by tree	Complete	Sep-14
			Reliability job to install fuses	Complete	Nov-14
			Repair equipment failure	Complete	Jan-15
			Enhanced tree trimming	To be completed 2015	
6	Mercer	W-128	<i>Performance was driven by trees off ROW (55%) and line failure (15%).</i>		
			Repair damage caused by tree	Complete	Nov-13
			Repair damage caused by tree	Complete	Jun-14
			Repaired line failure	Complete	Jan-15
			Forestry to trim circuit	To be completed in 2015	
7	Jamestown	W-162	<i>Performance was driven by trees off ROW (43%), equipment failure (19%), line failure (18%), and animal (6%). No significant outages occurred on this circuit during the first quarter.</i>		
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Nov-13
			Repair equipment failure	Complete	Feb-14
			Reliability job to install fuses	Complete	May-14
			Repair line failure	Complete	Jul-14
			Repair damage caused by tree	Complete	Jul-14
			Repair equipment failure	Complete	Sep-14
			Conduct thermal scan of circuit	To be completed 2015	
Enhanced tree trimming	To be completed 2015				
8	Hartstown	W-125	<i>Performance was driven by trees off ROW (67%), line failure (11%) and trees on ROW (8%). No significant outages occurred on this circuit during the first quarter.</i>		
			Repair damage caused by tree	Complete	Jul-14
			Repair damage caused by tree	Complete	Nov-14
			Reliability job to install fuse	Complete	Dec-14
			Conduct thermal scan of circuit	Complete	Feb-15
9	Hartstown	W-126	<i>Performance was driven by trees off ROW (50%) and line failure (24%). No significant outages occurred on this circuit during the first quarter.</i>		
			Repair damage caused by tree	Complete	Apr-14
			Reliability job to install fuses	Complete	May-14
			Repair equipment failure	Complete	Jan-15

Penn Power					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
	Thompson Run	D-550	<i>Performance was driven by vehicle (47%), trees off ROW (16%), and lightning (9%).</i>		
			Pole was replaced and equipment repaired	Complete	Mar-14
			Repair damage caused by tree	Complete	Apr-14
			Repair damage caused by tree	Complete	Oct-14
			Forestry to trim circuit	To be completed 2015	
	Chippewa	D-557	<i>Performance was driven by line failure (65%), trees off ROW (15%), and equipment failure (10%).</i>		
			Repair line failure	Complete	Jan-14
			Repair equipment failure	Complete	Feb-14
			Forestry to trim circuit	To be completed 2015	

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
1	Brooklyn	00749-65	<i>Performance was driven by trees off ROW (99%).</i>		
			Repair tree damage	Complete	Jul-14
			Repair damage caused by trees during a storm	Complete	Jul-14
2	Punxsutawney	00625-23	<i>Performance was driven by trees off ROW (63%) and line failure (37%).</i>		
			Repair equipment failure	Complete	Mar-14
			Repair line failure	Complete	Jun-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair damage caused by trees during a storm	Complete	Sep-14
			Repair line failure	Complete	Nov-14
3	DuBois Central	00119-23	<i>Performance was driven by trees off ROW (80%) and fuse operations of unknown cause (16%).</i>		
			Repair damage caused by trees during a storm	Complete	Jun-14
			Restore fuse operation of unknown cause during a storm	Complete	Sep-14
			Repair damage caused by trees during a storm	Complete	Sep-14
			Repair damage caused by trees during a storm	Complete	Nov-14
			Repair damage caused by trees	Complete	Feb-15
4	Union City	00206-43	<i>Performance was driven by equipment failure (61%), trees off ROW (17%), and unknown causes (8%).</i>		
			Repair equipment failure	Complete	Nov-13
			Repair equipment failure	Complete	Dec-13
			Restore recloser operation of unknown cause	Complete	Jun-14
			Restore recloser operation of unknown cause	Complete	Jul-14
			Repair equipment failure	Complete	Aug-14
			Repair equipment failure	Complete	Jan-15
			Circuit inspection	To be completed 2015	

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
5	Madera	00166-22	<i>Performance was driven by trees off ROW (47%), line failure (29%), and equipment failure (12%).</i>		
			Repair line failure	Complete	Nov-13
			Repair line failure	Complete	Jun-14
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair tree damage	Complete	Jul-14
			Repair line failure during storm	Complete	Jan-15
			Repair equipment failure during storm	Complete	Jan-15
			Circuit inspection	To be completed 2015	
			Full cycle tree trimming	To be completed 2015	
6	Warren South	00220-41	<i>Performance was driven by trees off ROW (55%), damage due to wind (19%), and equipment failure (14%).</i>		
			Repair damage caused by a tree	Complete	Oct-13
			Repair damage caused by trees during a storm	Complete	Nov-13
			Repair equipment failure	Complete	Apr-14
			Repair pole and wire damage due to wind	Complete	Jun-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair line failure	Complete	Nov-14
			Repair damage caused by trees during a storm	Complete	Nov-14
			Circuit inspection	To be completed 2015	
7	Boyer	00583-31	<i>Performance was driven by vehicle accident (80%) and equipment failure (15%).</i>		
			Repair damage caused by trees during a storm	Complete	Nov-13
			Repair damage caused by a vehicle	Complete	Aug-14
			Circuit inspection	To be completed 2015	
8	Thompson	00436-65	<i>Performance was driven by trees off ROW (66%) and line failure (19%).</i>		
			Restore fuse operation of unknown cause	Complete	Jan-14
			Repair damage caused by a vehicle	Complete	Jan-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair line failure	Complete	Aug-14
			Circuit inspection	Complete	Aug-14
			Repair line failure	Complete	Jan-15
			Full cycle tree trimming	To be completed 2015	

Penlec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
9	Wyalusing	00532-62	<i>Performance was driven by equipment failure during a storm (81%) and trees off ROW (19%).</i>		
			Repair equipment failure	Complete	Dec-13
			Repair equipment failure during storm	Complete	Jul-14
			Repair damage caused by trees	Complete	Dec-14
10	Millcreek	00052-11	<i>Performance was driven by line failure (47%), trees off ROW (23%), and a vehicle accident (15%).</i>		
			Repair damage caused by trees during a storm	Complete	Oct-14
			Repair damage caused by vehicle accident	Complete	Feb-15
			Repair line failure	Complete	Feb-15
11	East Pike	00095-13	<i>Performance was driven by line failure (49%) and equipment failure (41%).</i>		
			Repair equipment failure	Complete	Oct-13
			Repair line failure	Complete	Nov-13
			Repair equipment failure	Complete	Jan-14
			Repair line failure	Complete	Aug-14
			Repair equipment failure	Complete	Sep-14
			Install additional fault indicators	Complete	Sep-14
			Repair equipment failure	Complete	Dec-14
Circuit inspection	To be completed 2015				
12	Union City	00208-43	<i>Performance was driven by damage from line failure (55%), equipment failure (22%), and animal contact (11%).</i>		
			Add additional protection per circuit coordination	Complete	Dec-13
			Repair equipment failure	Complete	Apr-14
			Repair line failure	Complete	Jun-14
			Repair damage caused by animal contact	Complete	Dec-14
Repair equipment failure	Complete	Mar-15			

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
13	East Towanda	00525-62	<i>Performance was driven by line failure (51%) and equipment failure (42%).</i>		
			Repair equipment failure	Complete	Dec-13
			Repair tree damage	Complete	Dec-13
			Repair equipment failure during storm	Complete	Jul-14
			Repair line failure	Complete	Aug-14
			Repair line failure	Complete	Nov-14
			Repair line failure	Complete	Jan-15
		Reconductor circuit between poles TWM-1 and TWM-42	To be completed 2015		
14	Laceyville	00278-65	<i>Performance was driven by trees off ROW (90%).</i>		
			Repair damage caused by trees during a storm	Complete	Jul-14
15	Meyersdale North	00022-12	<i>Performance was driven by trees off ROW (81%).</i>		
			Repair damage caused by trees during a storm	Complete	Nov-13
			Repair damage from animal contact	Complete	Mar-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair line failure during a storm	Complete	Feb-15
16	Walnut Street	00520-31	<i>Performance was driven by equipment failure during a storm (98%).</i>		
			Repair equipment failure during storm	Complete	Jun-14
17	McKean	00411-34	<i>Performance was driven by equipment failure (57%) and line failure (31%).</i>		
			Repair line failure	Complete	Nov-13
			Repair damage caused by a tree	Complete	Mar-14
			Repair equipment failure	Complete	Sep-14
			Repair damage caused by animal contact	Complete	Oct-14
			Repair line failure	Complete	Jan-15
		Full cycle tree trimming	To be completed 2015		

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
18	Tionesta Jct Sw Sta	00498-51	<i>Performance was driven by equipment failure (34%), trees off ROW (32%), and lightning (14%).</i>		
			Repair damage caused by trees during a storm	Complete	Nov-13
			Install additional fault indicators	Complete	Jan-14
			Repair damage caused by lightning	Complete	May-14
			Repair damage caused by lightning	Complete	May-14
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Off right-of-way tree trim identified by circuit patrol	Complete	Sep-14
			Repair equipment failure	Complete	Mar-15
			Repair equipment failure	Complete	Mar-15
			Full cycle tree trimming	To be completed 2015	
19	Cooper	00069-11	<i>Performance was driven by trees off ROW (67%), line failure (18%), and wind (11%).</i>		
			Repair damage caused by trees during a storm	Complete	Jun-14
			Full cycle tree trimming	Complete	Jul-14
			Repair line failure	Complete	Aug-14
			Circuit inspection	Complete	Aug-14
			Repair damage caused by wind	Complete	Dec-14
20	Laporte	00772-62	<i>Performance was driven by recloser operation of unknown cause (84%) and trees off ROW (15%).</i>		
			Restore recloser operation of unknown cause during storm	Complete	Jul-14
			Repair damage caused by trees	Complete	Oct-14
21	Rolling Meadows	00310-31	<i>Performance was driven by equipment failure (63%) during storms and line failure (13%).</i>		
			Repair equipment failure	Complete	Mar-14
			Repair line failure	Complete	Mar-14
			Repair equipment failure	Complete	Apr-14
			Repair equipment failure	Complete	Sep-14
			Repair damage caused by trees	Complete	Oct-14
			Porcelain cutout replacement	To be completed 2015	
			Circuit inspection	To be completed 2015	

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
22	Marienville	00328-51	<i>Performance was driven by trees off ROW (91%).</i>		
			Repair damage caused by a tree	Complete	Apr-14
			Full cycle tree trimming	Complete	Sep-14
			Repair damage caused by trees	Complete	Oct-14
			Repair damage caused by trees during a storm	Complete	Nov-14
			Circuit inspection	To be completed 2015	
23	Saxton	00625-73	<i>Performance was driven by trees off ROW (95%).</i>		
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair damage caused by trees	Complete	Oct-14
			Circuit inspection	To be completed 2015	
24	Green Garden	0224-31	<i>Performance was driven by trees off ROW (86%).</i>		
			Repair damage caused by trees during a storm	Complete	Jun-14
			Full cycle tree trimming	To be completed 2015	
25	Page Road	00445-43	<i>Performance was driven by equipment failure (45%) and line failure (39%).</i>		
			Repair line failure	Complete	May-14
			Repair equipment failure	Complete	Sep-14
			Repair equipment failure	Complete	Oct-14
			Repair line failure	Complete	Oct-14
			Full cycle tree trimming	Complete	Dec-14
			Repair equipment failure	Complete	Mar-15
			Circuit inspection	To be completed 2015	
26	DuBois	00137-23	<i>Performance was driven by trees off ROW (27%), vehicle accident (21%), equipment failure (19%), and line failure (16%).</i>		
			Repair equipment failure	Complete	Mar-14
			Repair line failure	Complete	May-14
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair damage caused by a vehicle	Complete	Mar-15
			Circuit inspection	To be completed 2015	
			Full cycle tree trimming	To be completed 2015	

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
27	French Road	00222-31	<i>Performance was driven by line failure (41%), vehicle accident (26%), animal contact (21%), and equipment failure (10%).</i>		
			Repair equipment damage	Complete	Oct-13
			Repair damage caused by a vehicle	Complete	Jun-14
			Repair line failure	Complete	Jun-14
			Repair damage caused by animal contact	Complete	Jul-14
			Porcelain cutout replacement	To be completed 2015	
		Circuit inspection	To be completed 2015		
28	Central City West	00029-12	<i>Performance was driven by line failure (88%).</i>		
			Restore recloser operation of unknown cause	Complete	Mar-14
			Repair line failure	Complete	Jun-14
29	Meshoppen	00283-65	<i>Performance was driven by trees off ROW (67%) and line failure (21%).</i>		
			Repair equipment failure	Complete	Jan-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair line failure	Complete	Nov-14
30	Springboro	00237-52	<i>Performance was driven by equipment failure (38%), line failure (20%), and recloser operation of unknown cause (19%).</i>		
			Repair tree damage from a minor storm	Complete	Oct-13
			Repair equipment failure	Complete	Dec-13
			Repair damage caused by trees during a storm	Complete	Mar-14
			Repair line failure	Complete	Jun-14
			Repair equipment failure during storm	Complete	Jul-14
			Restore recloser operation of unknown cause during storm	Complete	Nov-14
			Full cycle tree trimming	To be completed 2015	

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
31	Marienville	00327-51	<i>Performance was driven by recloser operation of unknown cause during a storm (51%) and trees off ROW (44%).</i>		
			Repair line failure	Complete	Jan-14
			Restore switch operation of unknown cause during a storm	Complete	Jun-14
			Repair damage caused by trees during a storm	Complete	Jun-14
			Circuit inspection	To be completed 2015	
			Full cycle tree trimming	To be completed 2015	
32	Two Mile	00127-42	<i>Performance was driven by equipment failure (54%) and human error (30%).</i>		
			Add additional protection per circuit coordination	Complete	Dec-13
			Repair equipment failure	Complete	Apr-14
			Repair equipment failure	Complete	Jun-14
			Repair damage due to human error (customer brought tree down)	Complete	Sep-14
			Repair equipment failure	Complete	Feb-15
			Circuit inspection	To be completed 2015	
33	N Meshoppen Tran	00531-65	<i>Performance was driven by trees off ROW (99%).</i>		
			Repair damage caused by trees during a storm	Complete	Jul-14
34	Salix	00070-11	<i>Performance was driven by recloser operation of unknown cause (48%) and equipment failure (45%).</i>		
			Restored recloser operation of unknown cause during storm	Complete	Jul-14
			Repair equipment failure	Complete	Feb-15
			Replace underground exit	To be completed 2015	
35	Piney	00523-51	<i>Performance was driven by equipment failure (44%), trees off ROW (23%), and line failure (13%).</i>		
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair line failure	Complete	Feb-15
			Repair equipment failure during storm	Complete	Mar-15
			Full cycle tree clearing	To be completed 2015	
36	Buffalo Road	00265-31	<i>Performance was driven by vehicle accident (72%) and equipment failure (18%).</i>		
			Repair damage caused by vehicle accident	Complete	Jan-15
			Repair equipment failure	Complete	Jan-15

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
37	Thompson	00442-65	<i>Performance was driven by trees off ROW (95%).</i>		
			Repair damage caused by trees	Complete	May-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair damage caused by trees during a storm	Complete	Jul-14
38	Timblin	00116-23	<i>Performance was driven trees off ROW (78%) and breaker operation of unknown cause (22%).</i>		
			Restore breaker operation of unknown cause during storm	Complete	Jun-14
			Repair damage caused by trees during a storm	Complete	Sep-14
39	Union City	00207-43	<i>Performance was driven by line failure (50%) and trees off ROW (28%).</i>		
			Repair damage caused by trees during a storm	Complete	Apr-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair line failure during a storm	Complete	Feb-15
			Repair line failure during a storm	Complete	Feb-15
40	McConnellstown	00099-82	<i>Performance was driven by line failure (49%) and breaker operation of unknown cause (36%).</i>		
			Repair damage caused by vehicle accident	Complete	Mar-14
			Repair line failure	Complete	Jun-14
			Repair line failure	Complete	Dec-14
			Restored breaker operation of unknown cause	Complete	Mar-15
			Circuit inspection	To be completed 2015	
41	East Hickory	00201-41	<i>Performance was driven by trees off ROW (93%).</i>		
			Restore fuse operation of unknown cause	Complete	Nov-13
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair damage caused by trees	Complete	Jul-14
			Repair damage caused by trees	Complete	Dec-14
			Circuit inspection	To be completed 2015	
42	N Meshoppen Tran	00534-65	<i>Performance was driven by trees off ROW (68%), equipment failure (14%), and fuse operation of unknown cause (11%).</i>		
			Repair damage caused by trees during a storm	Complete	Nov-13
			Repair equipment failure	Complete	Jan-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair equipment failure	Complete	Oct-14
			Restore fuse after operation from unknown cause	Complete	Nov-14

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
43	Birmingham	00168-22	<i>Performance was driven by line failure (28%), equipment failure (27%), and recloser operation of unknown cause (25%).</i>		
			Repair equipment failure	Complete	May-14
			Restore recloser after operation from unknown cause	Complete	Nov-14
			Repair line failure	Complete	Jan-15
44	Kearsarge	00528-31	<i>Performance was driven by equipment failure (44%), line failure (35%), and trees off ROW (19%).</i>		
			Repair damage caused by trees	Complete	Jul-14
			Repair line failure	Complete	Sep-14
			Repair equipment failure	Complete	Jan-15
45	Glen Campbell	00680-21	<i>Performance was driven by trees off ROW (55%), equipment failure (24%), and lightning (17%).</i>		
			Repair damage caused by lightning	Complete	May-14
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair equipment failure	Complete	Jun-14
			Circuit inspection	Complete	Oct-14
			Full cycle tree trimming	To be completed 2015	
46	Grandview	00354-51	<i>Performance was driven by trees off ROW (46%), line failure (42%), and vehicle accident (10%).</i>		
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair damage caused by trees	Complete	Aug-14
			Repair damage caused by vehicle accident	Complete	Nov-14
			Repair line failure	Complete	Feb-15
47	Emlenton	00322-51	<i>Performance was driven by trees off ROW (53%), line failure (28%), and equipment failure (16%).</i>		
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair equipment failure during storm	Complete	Jun-14
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair line failure	Complete	Feb-15

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
48	French Road	00223-31	<i>Performance was driven by equipment failure (48%) and trees off ROW (47%).</i>		
			Repair equipment failure	Complete	Dec-13
			Repair equipment failure	Complete	Jan-14
			Repair damage caused by trees	Complete	Jul-14
			Repair equipment failure	Complete	Aug-14
			Repair equipment failure during a storm	Complete	Feb-15
			Porcelain cutout replacement	To be completed 2015	
49	Dixonville East	00120-13	<i>Performance was driven by equipment failure (60%) and trees off ROW (27%).</i>		
			Repair equipment failure	Complete	May-14
			Repair equipment failure	Complete	Jun-14
			Repair damage caused by trees	Complete	Jul-14
50	Brookville West	00121-23	<i>Performance was driven by trees off ROW (85%) and equipment failure (9%).</i>		
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair damage caused by trees	Complete	Oct-14
			Repair damage caused by trees during a storm	Complete	Nov-14
			Repair equipment failure	Complete	Mar-15
51	Salix	00071-11	<i>Performance was driven by equipment failure (81%) and UG dig-in (12%).</i>		
			Repair damage due to customer dig-in	Complete	Nov-13
			Repair equipment failure during storm	Complete	Apr-14
			Repair damage due to customer dig-in	Complete	Aug-14
			Circuit inspection	To be completed 2015	

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
52	North Warren	00596-41	<i>Performance was driven by trees off ROW (45%), equipment failure (19%), and non-utility lightning strike (10%).</i>		
			Repair damage caused by trees during a storm	Complete	Apr-14
			Repair damage caused by vehicle accident	Complete	Jun-14
			Restore fuse after operation from unknown cause	Complete	Jun-14
			Restore recloser operation due to non-utility lightning strike	Complete	Jul-14
			Repair damage caused by trees	Complete	Jul-14
			Repair damage caused by trees during a storm	Complete	Nov-14
			Restore fuse after operation from unknown cause	Complete	Nov-14
			Rehabilitate circuit - items identified during circuit patrol	To be completed 2015	
Full cycle tree trimming	To be completed 2015				
53	Edinboro	00420-34	<i>Performance was driven by equipment failure (51%) and line failure (34%).</i>		
			Restore recloser operation of unknown cause	Complete	Oct-13
			Repair line failure	Complete	Apr-14
			Repair equipment failure	Complete	Apr-14
			Repair equipment failure	Complete	Jun-14
			Repair line failure	Complete	Sep-14
			Repair line failure	Complete	Nov-14
Add additional protection per circuit coordination	To be completed 2015				
54	Lake City	00429-34	<i>Performance was driven by trees off ROW (89%).</i>		
			Repair equipment failure during storm	Complete	Jan-14
			Repair damage caused by a tree	Complete	Sep-14
55	Belleville	00124-81	<i>Performance was driven by vehicle accident (79%) and line failure (20%).</i>		
			Repair line failure	Complete	Jan-15
			Repair damage caused by a vehicle	Complete	Jan-15
			Circuit inspection	To be completed 2015	

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
56	Philipsburg	00967-22	<i>Performance was driven by non-company object contacting line (97%).</i>		
			Repair damage caused by building collapse contacting line	Complete	Aug-14
57	Blairsville East	00082-13	<i>Performance was driven by line failure (71%) and trees off ROW (26%).</i>		
			Repair damage caused by trees during a storm	Complete	Apr-14
			Repair line failure	Complete	Jul-14
			Circuit inspection	To be completed 2015	
			Full cycle tree trimming	To be completed 2015	
58	McVeytown	00112-81	<i>Performance was driven by trees off ROW (95%).</i>		
			Repair damage caused by a tree during a storm	Complete	Nov-13
			Repair damage caused by a tree during a storm	Complete	Jul-14
			Repair damage caused by trees	Complete	Aug-14
59	Russell Hill	00282-65	<i>Performance was driven by trees off ROW (50%), line failure (19%), and fuse operation due to unknown cause (11%).</i>		
			Repair damage caused by trees during a storm	Complete	Mar-14
			Restore fuse operation of unknown cause during a storm	Complete	Jul-14
			Repair damage caused by trees during a storm	Complete	Jul-14
			Repair line failure	Complete	Dec-14
			Circuit inspection	To be completed 2015	
60	Bradford North	00103-42	<i>Performance was driven by human error non-company (50%) and unknown fuse operation (36%).</i>		
			Repair damage due to human error - (customer brought tree down)	Complete	May-14
			Restore fuse after operation from unknown cause	Complete	Nov-14
61	Logan	00701-81	<i>Performance was driven by vehicle accident (69%) and equipment failure (16%).</i>		
			Repair damage caused by trees during a storm	Complete	Nov-13
			Repair equipment failure	Complete	Feb-14
			Repair damage caused by a vehicle	Complete	May-14
			Full cycle tree trimming	Complete	Jul-14

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
62	Knox	00323-51	<i>Performance was driven by trees off ROW (40%) and line failure (38%).</i>		
			Repair line failure	Complete	Jun-14
			Repair damage caused by trees	Complete	Sep-14
			Repair damage caused by trees	Complete	Feb-15
63	Corry Central	00434-43	<i>Performance was driven by trees off ROW (99%).</i>		
			Repair damage caused by trees during a storm	Complete	Jul-14
	Powell Ave	00237-31	<i>Performance was driven by trees off ROW (55%), recloser operation of unknown cause (20%), and line failure (17%).</i>		
			Restore recloser operation of unknown cause	Complete	Mar-14
			Repair damage caused by trees during a storm	Complete	Jun-14
			Repair line failure	Complete	Aug-14
			Full cycle tree trimming	To be completed 2015	
	Falls	00297-65	<i>Performance was driven by trees off ROW (69%) and equipment failure (21%).</i>		
			Repair damage caused by overload	Complete	Feb-14
			Repair damage caused by a tree during a storm	Complete	Jul-14
			Repair damage caused by trees	Complete	Nov-14
			Add additional protection per circuit coordination	Complete	Apr-15
	Athens	00514-61	<i>Performance was driven by equipment failure (34%), lightning (32%), and a vehicle accident (21%).</i>		
			Repair line failure	Complete	Oct-13
			Repair damage caused by a vehicle	Complete	Jan-14
			Repair equipment failure	Complete	Mar-14
			Repair damage caused by lightning	Complete	Jun-14
			Circuit inspection	To be completed 2015	
	Curryville	00644-71	<i>Performance was driven by equipment failure (30%), line failure (30%), vehicle accident (18%), and trees off ROW (14%).</i>		
			Repair damage due to vehicle accident	Complete	Feb-14
			Repair equipment failure during storm	Complete	Mar-14
			Repair line failure	Complete	Jun-14
			Repair damage caused by trees	Complete	Jul-14
			Repair line failure	Complete	Nov-14
			Repair line failure	Complete	Dec-14
			Circuit inspection	To be completed 2015	
Full cycle tree trimming	To be completed 2015				

Penelec					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
	Lowell Avenue	00518-31	<i>Performance was driven by equipment failure (61%), a vehicle accident (13%), and trees off ROW (11%).</i>		
			Repair equipment failure	Mar-14	
			Repair damage caused by trees during a storm	Apr-14	
			Repair damage caused by vehicle accident	Oct-14	
			Full cycle tree trimming	To be completed 2015	
	Huntingdon	00189-82	<i>Performance was driven by equipment failure (99%).</i>		
			Repair equipment failure	Complete	Mar-14
			Circuit inspection	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
1	Shawnee	00822-3	<i>Performance was driven by damage from a single snow storm (86%).</i>		
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13
			Replace side post insulator	Complete	Dec-14
			Install fault indicators	Complete	Mar-15
			Replace porcelain cutouts on recloser backbone with polymer cutouts	To be completed 2015	
			Comprehensive tree trimming	To be completed 2015	
			Perform wood pole inspection	To be completed 2015	
2	North Bangor	00826-3	<i>Performance was driven by damage from a single snow storm (90%).</i>		
			Installed single phase tie switch	Complete	Apr-14
			Perform wood pole inspection	Complete	Apr-14
			Replace ten poles identified during wood pole inspection	Complete	Jun-14
			Replace poles identified during wood pole inspection	Complete	Aug-14
			Comprehensive tree trimming	Complete	Oct-14
			Perform circuit protection study	To be completed 2015	
3	Shawnee	00895-3	<i>Performance was driven by trees off ROW (70%) and equipment failure (10%).</i>		
			Replace switch	Complete	Apr-14
			Upgrade step transformer	Complete	May-14
			Mid-cycle backbone and three phase forestry inspection	To be completed 2015	
			Perform wood pole inspection	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
4	Fox Hill	00816-3	<i>Performance was driven by trees off ROW (43%) and equipment failure (34%).</i>		
			Replace porcelain cutouts on backbone with polymer	Complete	Oct-13
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13
			Replace crossarms identified during circuit assessment	Complete	Jan-14
			Comprehensive circuit assessment	Complete	Apr-14
			Replace crossarms identified during circuit assessment	Complete	Aug-14
			Mid-cycle backbone and three phase forestry inspection	Complete	Oct-14
			Danger tree removal from mid-cycle forestry inspection	Complete	Nov-14
			Add Supervisory Control and Data Acquisition (SCADA) control to recloser	To be completed 2015	
			Install additional Supervisory Control and Data Acquisition (SCADA) switch	To be completed 2015	
			Install additional Supervisory Control and Data Acquisition (SCADA) switch	To be completed 2015	
5	Birchwood	00623-3	<i>Performance was driven by damage from a single snow storm (80%).</i>		
			Comprehensive circuit assessment	Complete	Jul-14
			Comprehensive tree trimming	Complete	Dec-14
			Replace/repair high priority items identified during circuit patrol	Complete	Feb-15
			Install fault indicators	Complete	Feb-15

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
6	Birdsboro	00756-1	<i>Performance was driven by trees off ROW (48%) and equipment failures (20%).</i>		
			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
			Performed accelerated backbone and three phase assessment	Complete	Mar-14
			Comprehensive tree trimming	Complete	Apr-14
			Main line arrester repairs from assessment	Complete	May-14
			Install additional main line tap fusing	Complete	Sep-14
			Spot tree removals	Complete	Oct-14
			Upgrade main line recloser	Complete	Dec-14
			Main line switch arrester repairs from assessment	Complete	Dec-14
			Install additional main line fault indicators	Complete	Jan-15
			Complete engineering review for additional remote-control devices	Complete	Jan-15
			Proactive every-other-month main line forestry inspection	Complete	Feb-15
			Spot tree trimming/removals	Complete	Mar-15
Proactive every-other-month main line forestry inspection	To be completed 2015				
Install remote operated main line switches	To be completed 2015				

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
7	North Cornwall	00610-2	<i>Performance was primarily driven by trees off ROW (60%).</i>		
			Mid-cycle backbone and three phase forestry inspection	Complete	Oct-14
			Comprehensive circuit assessment	To be completed 2015	
8	S. Nazareth	00809-3	<i>Performance was driven by vehicle accidents (55%) and equipment failure (33%).</i>		
			Perform accelerated backbone and three phase circuit assessment	Complete	Dec-13
			Install fault indicators	Complete	Dec-13
			Perform wood pole inspection	Complete	Mar-14
			Replace main line crossarm from assessment	Complete	Jun-14
			Replace poles identified during wood pole inspection	Complete	Jun-14
			Install additional Supervisory Control and Data Acquisition (SCADA) controlled switch	Complete	Aug-14
Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Mar-15			
9	Snydersville	00621-3	<i>Performance was driven by trees off ROW (78%) and equipment failure (10%).</i>		
			Perform accelerated backbone and three phase assessment	Complete	Oct-13
			Replace substation recloser and add remote control	Complete	Oct-13
			Correct fuse coordination	Complete	Dec-13
			Comprehensive tree trimming	Complete	Nov-14
Install fault indicators	Complete	Mar-15			

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
10	Barto	00705-1	<i>Performance was driven by trees off ROW (44%) and trees on ROW (31%).</i>		
			Mid-cycle backbone and three phase forestry inspection	Complete	Apr-14
			Spot forestry inspection	Complete	Jun-14
			Complete engineering circuit configuration review	Complete	Sep-14
			Engineering circuit protection review in conjunction with Huffs Church substation construction	Complete	Jan-15
			Lockout zone circuit inspection	Complete	Feb-15
			Install additional main line fault indicators	Complete	Mar-15
			Replace crossarm from assessment	Complete	Mar-15
			Replace insulator from assessment	Complete	Mar-15
			Comprehensive circuit assessment	Complete	Mar-15
			Replace crossarm braces from assessment	To be completed 2015	
			Replace switch arrester from assessment	To be completed 2015	
			Proactive main line forestry patrol	To be completed 2015	
11	North Bangor	00813-3	<i>Performance was driven by vehicle accidents (60%) and trees off ROW (22%).</i>		
			Mid-cycle backbone and three phase forestry inspection	Complete	Sep-14
			Comprehensive tree trimming	To be completed 2015	
12	Birchwood	00624-3	<i>Performance was driven by vehicle accidents (34%), equipment failure (24%), trees off ROW (18%), and line failure (12%).</i>		
			Replace switch	Complete	Feb-14
			Replace tie switch	Complete	May-14
			Install fault indicators	Complete	Jul-14
			Comprehensive circuit patrol	Complete	Aug-14
			Replace recloser	Complete	Sep-14
			Comprehensive tree trimming	Complete	Nov-14
			Install sectionalizer	To be completed 2015	
			Replace porcelain cutouts on circuit backbone	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
13	Birdsboro	00757-1	<i>Performance was driven by trees off ROW (41%), equipment failures (22%), and an outage caused by an animal (16%).</i>		
			Main line crossarm repairs from comprehensive circuit patrol	Complete	Mar-14
			Spot forestry inspection	Complete	Jun-14
			Comprehensive tree trimming	Complete	Oct-14
			Upgrade main line recloser	Complete	Nov-14
			Install remote operated main line switches	Complete	Nov-14
			Install new main line recloser	Complete	Dec-14
			Install additional main line fault indicators	Complete	Jan-15
			Proactive every-other-month main line forestry inspection	Complete	Jan-15
			Spot tree trimming/removals	Complete	Mar-15
			Proactive every-other-month main line forestry inspection	To be completed 2015	
14	Allen	00502-4	<i>Performance was driven by line/equipment failures (50%), trees off ROW (38%), and vehicle accidents (7%). 22% of the total interruption minutes accrued from a Sept 27 equipment failure and 15% of the total interruption minutes accrued July 5 during emergency restoration switching.</i>		
			Install additional faulted circuit indicators two locations	Complete	Aug-14
			Perform engineering review of existing faulted circuit indicator age	Complete	Oct-14
			Retire and replace failed faulted circuit indicators in five locations	Complete	Nov-14
			Comprehensive tree trimming	Complete	Jan-15

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
15	Annville	00743-2	<i>Performance was primarily driven by a cutout problem (40%), a conductor issue (23%), and trees off ROW (7%).</i>		
			Replace crossarm	Complete	Jan-14
			Replace crossarm	Complete	Jan-14
			Replace pole	Complete	Jan-14
			Mid-cycle backbone and three phase forestry inspection	Complete	Jul-14
			Replace recloser	Complete	Jul-14
			Perform tree work identified during mid-cycle backbone and three phase forestry inspection	Complete	Jul-14
			Complete engineering review for remote-control devices	To be completed 2015	
Comprehensive tree trimming	To be completed 2015				
16	Newberry	00586-4	<i>Performance was driven by trees off ROW (36%) and vehicle accidents (26%).</i>		
			Comprehensive circuit assessment	Complete	Oct-14
			Replace/repair high priority items identified during circuit patrol	Complete	Feb-15
			Forestry to perform off cycle comprehensive circuit tree patrol	To be completed 2015	
17	Bern Church	00789-1	<i>Performance was driven by an outage caused by a vehicle accident (39%), equipment problems (33%), and trees off ROW (16%).</i>		
			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
			Perform wood pole inspections	Complete	Jun-14
			Upgrade substation relays	Complete	Sep-14
			Comprehensive tree trimming	Complete	Dec-14
			Pole replacements from pole inspections	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
18	Mountain	00744-4	<i>Performance was driven by trees off ROW (58%), equipment failures (20%), and vehicle contacts (18%).</i>		
			Forestry to perform on cycle comprehensive circuit vegetation management	Complete	Jun-14
			Upgrade main line Group Operated Air Break (GOAB) #74459 to EMS radio controlled Motor Operated Air Break (MOAB) switch with faulted circuit indicators	Complete	Oct-14
			Upgrade main line recloser to EMS radio controlled	Complete	Oct-14
19	Birchwood	00622-3	<i>Performance was driven by damage from a single snow storm (86%).</i>		
			Comprehensive circuit assessment	Complete	Sep-14
			Comprehensive tree trimming	Complete	Nov-14
			Replace voltage regulator	Complete	Dec-14
			Repair items identified during circuit assessment	Complete	Dec-14
20	Swatara Hill	00764-2	<i>Performance was primarily driven by vehicle accidents (75%) and underground cable issues (18%).</i>		
			Replace four poles	Complete	May-14
			Replace eleven porcelain cutouts	Complete	Jul-14
			Install new fuse	Complete	Sep-14
			Install new span of underground cable to create underground development loop	Complete	Sep-14
21	Shawnee	00860-3	<i>Performance was driven by trees off ROW (54%) and equipment failure (27%).</i>		
			Replace sectionalizer with Supervisory Control and Data Acquisition (SCADA) Motor Operated Air Break (MOAB)	Complete	May-14
			Install additional Supervisory Control and Data Acquisition (SCADA) controlled switch	To be completed 2015	
			Perform wood pole inspection	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
22	Bernville	00786-1	<i>Performance was driven by equipment failures (58%) and line failures (13%).</i>		
			Comprehensive tree trimming	Complete	Oct-13
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13
			Engineering main line coordination review	Complete	Apr-14
			Main line coordination improvements	Complete	Apr-14
			Main line circuit inspection	Complete	Feb-15
			Install additional main line disconnects	To be completed 2015	
			Main line pole replacement	To be completed 2015	
23	Carsonia	00764-1	<i>Performance was driven by an outage caused by a line failure (41%) and an outage caused by a vehicle (31%).</i>		
			Comprehensive tree trimming	Complete	Jan-14
			Comprehensive circuit assessment	Complete	Sep-14
			Replace main line arrester from assessment	Complete	Mar-15
24	South Lebanon	00780-2	<i>Performance was primarily driven by trees off ROW (40%) and storm related outages (26%).</i>		
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13
			Spot forestry inspection	Complete	Aug-14
			Comprehensive tree trimming	To be completed 2015	
25	Moselem	00782-1	<i>Performance was driven by equipment failure (69%) and an outage caused by a vehicle accident (21%).</i>		
			Complete engineering circuit configuration review	Complete	Oct-14
			Comprehensive tree trimming	To be completed 2015	
			Comprehensive circuit assessment	To be completed 2015	
26	Third Street	00178-1	<i>Performance was driven by equipment failures (92%).</i>		
			Install main line fault indicators	Complete	Jan-14
			Spot main line inspection	Complete	Jan-15
			Substation transformer cable replacement	To be completed 2015	
			Complete load reduction project	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
27	Leesport	00811-1	<i>Performance was driven by equipment failures (43%), trees off ROW (20%), and trees on ROW (18%).</i>		
			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 crossarm repair from comprehensive circuit patrol	Complete	Nov-14
			Main line pole top repair from assessment	Complete	Dec-14
			Comprehensive tree trimming	Complete	Mar-15
			Replace substation getaway cable and terminators	Complete	Apr-15
Main line coordination improvements	To be completed 2015				
28	Bath	00873-3	<i>Performance was driven by vehicle accidents (55%) and birds (17%).</i>		
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13
			Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Oct-13
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	May-14
			Comprehensive circuit assessment	Complete	Jan-15
			Replace porcelain cutouts on circuit backbone with polymer cutouts	To be completed 2015	
			Replace items identified during circuit assessment	To be completed 2015	
29	Marshalls Creek	00128-3	<i>Performance was driven by trees off ROW (93%).</i>		
			Engineering to perform circuit protection review	Complete	Dec-14
30	Mountain	00740-4	<i>Performance was driven by line/equipment failures (88%), human error (4%), trees off ROW (3%), vehicle contact (2%), and animal contact (2%). 44% of the total interruption minutes accrued July 5 during emergency restoration switching and 41% of total interruption minutes from a Dec 6 porcelain cutout failure during heavy snow conditions.</i>		
			Comprehensive tree trimming	Complete	Aug-14
			Install one recloser at new location	Complete	Oct-14

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
31	Newberry	00576-4	<i>Performance was driven by equipment failure (35%), trees on ROW (19%), and trees off ROW (16%).</i>		
			Comprehensive circuit assessment	Complete	Jan-14
			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
			Tree trimming identified during off cycle circuit tree patrol	Complete	Mar-14
			Comprehensive tree trimming	Complete	Oct-14
			Replace/repair high priority items identified during circuit patrol	Complete	Nov-14
			Replacement of porcelain cutouts with polymer cutouts on the circuit backbone	To be completed 2015	
			Replace/Repair high priority items identified during circuit patrol	To be completed 2015	
			Forestry to perform off cycle comprehensive circuit tree patrol	To be completed 2015	
32	3 rd and Green	00785-2	<i>Performance was primarily driven by an insulator issue (71%).</i>		
			Comprehensive tree trimming	Complete	Aug-14
			Replace arrester	Complete	Nov-14
			Replace two crossarms, three cutouts, and three arresters	Complete	Nov-14
33	Weisenberg	00602-1	<i>Performance was driven by an outage caused by equipment failure (76%).</i>		
			Install additional main line fault indicators	Complete	Sep-14
			Replace main line insulator	Complete	Apr-15
			Comprehensive circuit assessment	To be completed 2015	
34	Annville	00742-2	<i>Performance was primarily driven by one storm related outage (84%).</i>		
			Repair/replace anchor guy	Complete	Jan-14
			Repair/replace split pole top	Complete	Jan-14
			Replace lightning arresters at four locations	Complete	May-14
			Comprehensive tree trimming	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
35	Windsor	00797-4	<i>Performance was driven by line failure (49%) and equipment failure (38%).</i>		
			Replacement of porcelain cutouts with polymer cutouts on the circuit backbone	To be completed 2015	
			Install additional fault indicators	To be completed 2015	
			Install additional fuses	To be completed 2015	
			Replace pole identified during the circuit pole inspection	To be completed 2015	
			Replace/repair high priority items identified during circuit patrol	To be completed 2015	
			Forestry to perform off cycle comprehensive circuit tree patrol	To be completed 2015	
36	Bairs	00571-4	<i>Performance was driven by equipment failure (42%) and vehicle accidents (29%).</i>		
			Install new getaway cables and riser at Bair substation	Complete	Feb-15
			Replace broken cutout	Complete	Apr-15
			Forestry to perform off cycle comprehensive circuit tree patrol	To be completed 2015	
37	Lyons	00729-1	<i>Performance was driven by trees off ROW (47%), equipment failures (16%), line failures (14%), and trees on ROW (10%).</i>		
			Spot forestry inspection	Complete	Jan-14
			Proactive main line forestry patrol	To be completed 2015	
38	Allen	00503-4	<i>Performance was driven by line/equipment failures (87%) and trees off ROW (10%). 49% of the total interruption minutes accrued July 5 during emergency restoration switching.</i>		
			Install additional faulted circuit indicators two locations	Complete	Aug-14
			Perform engineering review of existing faulted circuit indicator age	Complete	Oct-14
			Retire and replace failed fault circuit indicators five locations	Complete	Nov-14
			Comprehensive tree trimming	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
	Hill	00737-4	<i>Performance was driven by vehicle accidents (64%).</i>		
			Comprehensive circuit assessment	Complete	Oct-13
			Forestry to perform off cycle, comprehensive circuit tree patrol	Complete	Mar-14
			Tree trimming identified during off cycle circuit tree patrol	Complete	Apr-14
			Provide additional tie capacity on the circuit	Complete	Oct-14
			Replace/repair high priority items identified during circuit patrol	Complete	Dec-14
			Replacement of porcelain cutouts with polymer cutouts on the circuit backbone	To be completed 2015	
			Install radio control devices on the circuit	To be completed 2015	
	South Hamburg	00745-1	<i>Performance was driven by a line failure outage (59%) and animal-caused outages (39%).</i>		
			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 spacers in main line from assessment	Complete	Apr-14
			Install additional main line fault indicators	Complete	Sep-14
			Replace main line crossarm from assessment	Complete	Dec-14
			Install additional main line disconnects	To be completed 2015	
	Birdsboro	00760-1	<i>Performance was driven by equipment failures (46%) and trees on ROW (32%).</i>		
			Complete engineering circuit configuration review	Complete	Sep-14
			Comprehensive tree trimming	Complete	Sep-14
			Install additional main line fault indicators	Complete	Mar-15
			Install additional main line tap fusing	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
	Allen	00501-4	<i>Performance was driven by vehicle related outages (67%), trees off ROW (17%), and substation animal contact and adjacent circuit sleeve failure during emergency switching (12%).</i>		
			Perform engineering review of faulted circuit indicator age and locations	Complete	Nov-14
			Comprehensive tree trimming	Complete	Mar-15
	Shawnee	00837-3	<i>Performance was driven by trees off ROW (68%).</i>		
			Replace sectionalizer with Supervisory Control and Data Acquisition (SCADA) Motor Operated Air Break (MOAB) switch	Complete	Apr-14
			Mid-cycle backbone and three phase forestry inspection	Complete	Sep-14
			Perform wood pole inspection	Complete	Mar-15
			Comprehensive tree trimming	To be completed 2015	
	Newberry	00577-4	<i>Performance was driven by equipment failure (79%).</i>		
			Comprehensive circuit assessment	Complete	Jan-14
			Perform accelerated backbone, three phase and single phase circuit assessment	Complete	Jan-14
			Forestry to perform off cycle comprehensive circuit tree patrol	Complete	Apr-14
			Replace/repair high priority items identified during circuit patrol	Complete	Dec-14
			Comprehensive tree trimming	Complete	Dec-14
			Replace/repair high priority items identified during circuit patrol	Complete	Feb-15
	Tolna	00792-4	<i>Performance was driven by vehicle accidents (91%).</i>		
			Perform accelerated circuit reliability assessment of three phase	Complete	Feb-14
			Comprehensive circuit assessment	Complete	Mar-14
			Forestry to perform off cycle comprehensive circuit tree patrol	Complete	Sep-14
			Repair critical item from circuit assessment	Complete	Oct-14
			Comprehensive tree trimming	To be completed 2015	

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
	Barto	00706-1	<i>Performance was driven by trees off ROW (63%) and an outage caused by a vehicle (20%).</i>		
			Complete engineering circuit configuration review	Complete	Sep-14
			Replace main line crossarm from assessment	Complete	Mar-15
			Upgrade main line reclosers	To be completed 2015	
			Comprehensive circuit assessment	To be completed 2015	
	Ringing Rocks	00708-1	<i>Performance was driven by line failure (38%), equipment failures (31%), and trees off ROW (26%).</i>		
			Comprehensive circuit assessment	Complete	Oct-14
			Replace crossarm from assessment	Complete	Feb-15
	Northwood	00821-3	<i>Performance was driven by equipment failure (40%) and line failure (35%).</i>		
			Replace pole identified during circuit assessment	Complete	Aug-14
			Install additional underground cable and balance large URD	Complete	Sep-14
			Replace crossarm identified during circuit assessment	Complete	Sep-14
			Comprehensive circuit assessment	Complete	Feb-15
	Flying Hills	00777-1	<i>Performance was driven by trees on ROW (27%), line failures (26%), and trees off ROW (19%).</i>		
			Mid-cycle backbone and three phase forestry inspection	Complete	Apr-14
			Install additional main line fault indicators	Complete	Dec-14
			Comprehensive circuit assessment	To be completed 2015	
	Flying Hills	00776-1	<i>Performance was driven by UG line failures (65%) and a vehicle accident (26%).</i>		
			Mid-cycle backbone and three phase forestry inspection	Complete	Mar-14
			Comprehensive circuit assessment	Complete	Mar-15
	Glendon	00818-3	<i>Performance was driven by vehicle accidents (65%).</i>		
			Comprehensive circuit assessment	Complete	Jan-15
			Reconductor six spans of main line	To be completed 2015	
	Taxville	00575-4	<i>Performance was driven by equipment failure (72%).</i>		
			Comprehensive circuit assessment	Complete	Apr-15

Met-Ed					
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed
	Glendon	00819-3	<i>Performance was driven by vehicle accidents (96%).</i>		
			Replace pole damaged by accident and remove slack span	Complete	Apr-14
			Comprehensive circuit assessment	Complete	Jan-15
	Crossroads	00729-4	<i>Performance was driven by an unknown outage during a snow-ice storm (55%).</i>		
			Perform Accelerated backbone assessment	Complete	Nov-13
			Forestry to perform off cycle comprehensive circuit tree patrol	Complete	Mar-14
			Tree Trimming identified during off cycle circuit tree patrol	Complete	Apr-14
			Upgrade electronic recloser on the circuit to a Triple single recloser	Complete	Apr-14
			Replace/Repair high priority items identified during circuit patrol	Complete	Mar-15
	Tolna	00793-4	<i>Performance was driven by lightning (44%) and trees off ROW (28%).</i>		
			Comprehensive Circuit Assessment	Complete	Feb-14
			Replace/Repair high priority item identified during circuit patrol	Complete	Mar-14
			Forestry to perform off cycle comprehensive circuit tree patrol	Complete	May-14
			Tree Trimming identified during off cycle circuit tree patrol	Complete	May-14
			Comprehensive tree trimming	To be completed 2015	

West Penn Power					
Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
1	North Fayette	Beechcliff	<i>Performance was driven by trees on ROW (38%) and trees off ROW (37%). 75% of the outages occurred on two consecutive days.</i>		
			Zone 1 circuit patrol	Complete	May-14
			Zone 1 circuit patrol	Complete	Mar-15
2	Galley	Waterdam	<i>Performance was driven by trees off ROW (50%) and line failure (46%). 96% of the outages occurred on two days.</i>		
			Zone 1 circuit patrol	Complete	Mar-15
3	West Waynesboro	Trinity	<i>Performance was driven by trees off ROW (48%) and vehicles (21%). 80% of the outages occurred on two days.</i>		
			Cycle tree trimming	Complete	Dec-14
4	Charleroi	Warner	<i>Performance was driven by trees off ROW (88%). 72% of the outages occurred on two days.</i>		
			Cycle tree trimming	Complete	Dec-14
5	Lake Lynn-Union	Fancy Hill	<i>Performance was driven by trees off ROW (47%) and vehicles (17%).</i>		
			Cycle tree trimming	To be completed 2015	
6	Cecil	Bishop	<i>Performance was driven by trees off ROW (53%) and line failure (31%). 50% of the outages occurred on two days.</i>		
			Cycle tree trimming	Complete	Dec-13
7	Dutch Fork	Claysville	<i>Performance was driven by trees off ROW (33%) and unknown (33%). 26% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Mar-15
8	North Fayette	Tyre	<i>Performance was driven by trees off ROW (30%) and equipment failure (28%). 49% of the outages occurred on two days.</i>		
			Targeted tree trimming to improve reliability	Complete	Aug-14
9	Bethel Park	Dashwood	<i>Performance was driven by trees off ROW (82%). 61% of the outages occurred on two days.</i>		
			Zone 1 circuit patrol	Complete	May-14
			Zone 1 circuit patrol	Complete	Mar-15
10	North Fayette	Oakdale	<i>Performance was driven by vehicles (69%) and equipment failure (27%). 89% of the outages occurred on two days.</i>		
			Zone 1 circuit patrol	Complete	Mar-15
11	Robbins	Mt. Vernon	<i>Performance was driven by trees off ROW (60%) and forced outages (24%). 64% of the outages occurred on two days.</i>		
			Cycle tree trimming	To be completed 2015	
			Circuit inspection	To be completed 2015	

West Penn Power					
Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
12	Westraver	Fellsburg	<i>Performance was driven by line failure (73%) and trees on ROW (13%). 70% of the outages occurred on one day.</i>		
			Cycle tree trimming	To be completed 2015	
13	Westraver	Pittsburgh Coal	<i>Performance was driven by trees off ROW (53%) and line failure (23%). 69% of the outages occurred on three days.</i>		
			Cycle tree trimming	To be completed 2015	
14	Butler	Center Ave	<i>Performance was driven by trees on ROW (54%) and trees off ROW (14%). 62% of the outages occurred on one day.</i>		
			Cycle tree trimming	Complete	Dec-14
15	Cecil	Hendersonville	<i>Performance was driven by trees off ROW (61%) and equipment failure (25%). 76% of the outages occurred on two days.</i>		
			Zone 1 circuit patrol	Complete	Mar-15
16	Crossgates	Peters Twp	<i>Performance was driven by trees off ROW (74%) and trees on ROW (21%). 66% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Jun-14
			Cycle tree trimming	To be completed 2015	
17	Washington	Wade	<i>Performance was driven by equipment failure (67%) and line failure (22%). 67% of the outages occurred on two days.</i>		
			Cycle tree trimming	To be completed 2015	
18	Murrycrest	Sardis Road	<i>Performance was driven by trees off ROW (91%). 90% of the outages occurred on two days.</i>		
			Zone 1 circuit patrol	Complete	May-14
			Zone 1 circuit patrol	Complete	Mar-15
19	Peters	McMurray	<i>Performance was driven by trees off ROW (46%) and trees on ROW (26%). 67% of the outages occurred on two days.</i>		
			Cycle tree trimming	To be completed 2015	
20	Avella	W. Middletown	<i>Performance was driven by off trees off ROW (49%) and forced outages (14%). 43% of the outages occurred on one day.</i>		
			Cycle tree trimming	Complete	Dec-14
			Zone 1 hardware and forestry patrol	Complete	Mar-15
			Overhead circuit inspection	To be completed 2015	
21	Smith	Francis Mine	<i>Performance was driven by trees off ROW (93%). 62% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	May-14

West Penn Power					
Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
22	Fountaindale	Carroll Valley	<i>Performance was driven by forced outages (36%), vehicles (30%), and trees on ROW (14%). 27% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	To be completed 2015	
23	Piney Fork	Cochran Mill	<i>Performance was driven by equipment failure (45%), line failure (24%), and trees off ROW (20%). 67% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Feb-15
24	Loyalhanna	Center Drive	<i>Performance was driven by trees off ROW (45%), line failure (30%), and lightning (12%). 42% of the outages occurred on one day.</i>		
			Repair circuit patrol hardware issues found	Complete	Feb-14
			Zone 1 circuit patrol	Complete	May-14
			Cycle tree trimming	To be completed 2015	
25	Ethel Springs	Pandora	<i>Performance was driven by vehicles (75%) and unknown (12%). 74% of the outages occurred on one day.</i>		
			Cycle tree trimming	Complete	Jun-14
26	Luzerne	West Brownsville	<i>Performance was driven by trees off ROW (45%) and vehicles (39%). 87% of the outages occurred on two days.</i>		
			Circuit inspection	To be completed 2015	
27	Springfield Pike	North Bend	<i>Performance was driven by trees off ROW (80%) and forced outages (15%). 82% of the outages occurred on one day.</i>		
			Cycle tree trimming	Complete	Dec-14
28	Smithton	Yukon	<i>Performance was driven by trees off ROW (59%), vehicles (24%), and forced outages (12%). 49% of the outages occurred on one day.</i>		
			Cycle tree trimming	Complete	Dec-14
29	Vanceville	Vanceville	<i>Performance was driven by vehicles (47%) and forced outages (28%). 57% of the outages occurred on one day.</i>		
			Cycle tree trimming	Complete	Jul-14
			Zone 1 hardware and forestry patrol	Complete	Jan-15
			Hixon Road Tie Point	To be completed 2015	
30	Penn	Arlington	<i>Performance was driven by vehicles (63%) and trees on ROW (29%). 93% of the outages occurred on two days.</i>		
			Zone 1 circuit patrol	To be completed 2015	
31	Kittanning	Garretts Run	<i>Performance was driven by trees off ROW (58%) and forced outages (28%).</i>		
			Zone 1 circuit patrol	Complete	May-14
			Cycle tree trimming	To be completed 2015	

West Penn Power					
Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
32	Roundhill	Roundhill	<i>Performance was driven by trees off ROW (85%). 46% of the outages occurred on one day.</i>		
			Cycle tree trimming	Complete	Aug-14
33	Flintstone	Chaneyville	<i>Performance was driven by line failure (69%) and forced outages (16%).</i>		
			Zone 1 circuit patrol	Complete	May-14
			Zone 1 circuit patrol	Complete	Jan-15
34	Fawn	Natrona	<i>Performance was driven by equipment failure (75%). 54% of the outages occurred on day.</i>		
			Zone 1 circuit patrol	To be completed 2015	
35	Emporium	West Creek	<i>Performance was driven by equipment failure (67%) and trees off ROW (29%). 67% of the outages occurred on one day.</i>		
			Cycle tree trimming	To be completed 2015	
36	St. Clair	Valley	<i>Performance was driven by trees off ROW (41%) and vehicles (34%). 34% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Mar-15
37	California	Malden	<i>Performance was driven by equipment failure (38%), unknown (27%), and animal/bird (13%). 28% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Jan-14
			Zone 1 circuit patrol	Complete	Mar-15
38	Buena Vista	Chicora	<i>Performance was driven by line failure (53%), and trees off ROW (38%). 85% of the outages occurred on two days.</i>		
			Cycle tree trimming	Complete	Jan-15
39	Gordon	Tyler	<i>Performance was driven by equipment failure (64%) and forced outages (31%). 69% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Mar-15
40	Ethel Springs	New Derry	<i>Performance was driven by trees off ROW - tree (76%) and unknown (20%). 70% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Jan-15
	McConnellsburg	Harrisonville	<i>Performance was driven by off trees off ROW (40%), equipment failure (26%), and forced outages (22%). 51% of the outages occurred on one day.</i>		
			Zone 1 circuit patrol	Complete	Jun-14
			Zone 1 hardware and forestry patrol	To be completed 2015	
	Franklin	South Waynesburg	<i>Performance was driven by unknown causes (68%) and trees off ROW (11%). 68% of the outages occurred on a storm day.</i>		
			Zone 1 circuit patrol	To be completed 2015	

West Penn Power					
Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
	North Washington	Poke Run	<i>Performance was driven by trees off ROW (57%) and on trees on ROW (22%). 44% of the customer minutes occurred on two days.</i>		
			Zone 1 circuit patrol	Complete	Mar-15
	Fayetteville	Bikle Road	<i>Performance was driven by trees off ROW (57%) and on trees on ROW (20%). 67% of the customer minutes occurred on two days.</i>		
			Cycle tree trimming	To be completed 2015	

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Joint 1st Quarter 2015 Reliability Report – :
Metropolitan Edison Company, :
Pennsylvania Electric Company :
Pennsylvania Power Company and West :
Penn Power Company – Public Version :

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

CERTIFICATE OF SERVICE

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

Service by first class mail, as follows:

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Bureau of Investigation & Enforcement
Pennsylvania Public Utility Commission
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Dated: May 1, 2015



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