

Tori L. Giesler
(610) 921-6658
tgiesler@firstenergycorp.com

610-929-3601

February 2, 2015

RECEIVED

FEB 03 2015

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

VIA UNITED PARCEL SERVICE

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

L-00030161

**Re: Joint 4th Quarter 2014 Reliability Report – Metropolitan Edison Company,
Pennsylvania Electric Company and Pennsylvania 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 and Pennsylvania Power Company (collectively, the “Companies”) are two copies of the Joint 4th Quarter 2014 Reliability Report – Public Version (“Joint Report”). Please date stamp the additional copy and return it in the postage-prepaid envelope provided.

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

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

Sincerely,



Tori L. Giesler

Enclosures

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

PennPower
A FirstEnergy Company

Penelec
A FirstEnergy Company

Met-Ed
A FirstEnergy Company

RECEIVED

FEB 03 2015

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU



Joint 2014 4th Quarter Reliability Report

Pennsylvania Power Company,
Pennsylvania Electric Company and
Metropolitan Edison Company

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

**Joint 4th Quarter 2014 Reliability Report –
Pennsylvania Power Company,
Pennsylvania Electric Company and
Metropolitan Edison Company**

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

Major Events

The Companies did not experience a major event during the reporting period ending December 31, 2014.

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

4Q 2014 (12-Mo Rolling)	Penn Power			Penelec			Met-Ed		
	Benchmark	12- Month Standard	12- Month Actual	Benchmark	12- Month Standard	12- Month Actual	Benchmark	12- Month Standard	12- Month Actual
SAIFI	1.12	1.34	1.11 ²	1.26	1.52	1.55 ³	1.15	1.38	1.11 ⁴
CAIDI	101	121	106	117	141	118	117	140	128
SAIDI	113	162	118	148	213	183	135	194	141
MAIFI			1.12			4.47			1.33
Customers Served⁵	158,429			581,972			551,502		
Number of Sustained Interruptions	3,081			11,535			8,766		
Customers Affected	175,271			903,429			610,606		
Customer Minutes	18,617,503			106,425,607			77,955,889		
Number of Customer Momentary Interruptions	177,160			2,602,962			735,299		

² Penn Power achieved better than benchmark SAIFI performance.

³ Penelec's SAIFI performance is directly attributed to several non-excludable storm events that contributed 0.05 to the Company's overall SAIFI.

⁴ Met-Ed achieved better than benchmark SAIFI performance.

⁵ Represents the average number of customers served during the reporting period.

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

Worst Performing Circuits – Reliability Indices

The methodology used to identify worst performing circuits is based on both System Average Interruption Frequency Index (“SAIFI”) and System Average Interruption Duration Index (“SAIDI”). The methodology consists of the following steps:

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

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

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

Worst Performing Circuits – Remedial Actions

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

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

Outages by Cause

Outages by Cause – Penn Power

Outage by Cause				
4th Quarter 2014 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
Trees Off ROW-Tree	5,142,718	452	46,001	14.67%
Animal	1,130,273	428	11,474	13.89%
Lightning	1,537,098	375	10,758	12.17%
Bird	330,263	338	4,044	10.97%
Equipment Failure	2,213,312	330	22,140	10.71%
Line Failure	3,242,273	290	25,779	9.41%
Trees Off ROW-Limb	1,377,953	222	11,789	7.21%
Unknown	621,725	144	12,361	4.67%
Trees - Sec/Service	41,786	86	233	2.79%
Vehicle	1,255,359	84	9,351	2.73%
Overload	321,644	78	4,052	2.53%
Previous Lightning	28,104	41	213	1.33%
Human Error - Non-Company	362,819	40	5,015	1.30%
Forced Outage	87,146	39	2,403	1.27%
Trees On ROW	90,594	33	921	1.07%
Ice	166,967	32	488	1.04%
Customer Equipment	449,222	17	6,293	0.55%
Human Error - Company	23,206	17	341	0.55%
UG Dig-Up	20,816	15	207	0.49%
Object Contact With Line	33,252	12	271	0.39%
Wind	129,869	3	1,044	0.10%
Fire	660	2	10	0.06%
Contamination	785	1	1	0.03%
Other Electric Utility	7,434	1	63	0.03%
Other Utility-Non Elec	2,225	1	19	0.03%
Total	18,617,503	3,081	175,271	100.00%

Proposed Solutions – Penn Power

Trees Off ROW-Tree

Forestry Services reviews the “Trees/Not-Preventable” 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 Non-Preventable” 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 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				
4th Quarter 2014 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
Equipment Failure	28,557,408	3,334	311,986	28.90%
Unknown	9,828,214	2,140	105,617	18.55%
Trees Off ROW-Tree	29,780,272	1,115	157,601	9.67%
Animal	2,469,432	1,107	27,804	9.60%
Line Failure	13,522,399	905	108,637	7.85%
Forced Outage	3,823,102	721	48,787	6.25%
Trees Off ROW-Limb	2,923,980	349	19,350	3.03%
Lightning	2,368,625	339	16,519	2.94%
Trees - Sec/Service	452,413	322	1,249	2.79%
Bird	658,202	272	6,718	2.36%
Vehicle	5,887,118	264	41,315	2.29%
Human Error - Company	174,601	179	9,181	1.55%
Human Error - Non-Company	2,041,116	94	9,340	0.81%
Trees On ROW	1,094,271	86	4,397	0.75%
Overload	1,319,644	74	25,254	0.64%
Other Electric Utility	230,590	47	2,340	0.41%
UG Dig-Up	62,053	35	312	0.30%
Object Contact With Line	391,709	32	1,589	0.28%
Previous Lightning	4,952	23	35	0.20%
Fire	197,574	22	835	0.19%
Ice	5,708	19	26	0.16%
Vandalism	33,203	14	326	0.12%
Customer Equipment	10,022	13	69	0.11%
Wind	471,246	12	1,086	0.10%
Other Utility-Non Elec	29,455	8	89	0.07%
Switching Error	86,382	5	2,958	0.04%
Contamination	1,916	3	9	0.03%
Total	106,425,607	11,535	903,429	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 is inspecting the entire circuit from substation to meter which includes the main three-phase backbone system on a five-year cycle. Off-cycle inspections are performed based on circuit performance and may include infrared scanning to assist in identification of potential equipment problems.

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

Unknown

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

Trees Off ROW-Tree

Forestry Services reviews the "Trees/Not-Preventable" 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/Not-Preventable" 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				
4th Quarter 2014 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
Equipment Failure	18,417,151	2,311	167,932	26.36%
Animal	2,248,538	1,407	32,637	16.05%
Unknown	7,093,745	1,228	68,830	14.01%
Trees Off ROW-Tree	14,432,617	748	59,981	8.53%
Line Failure	7,867,205	577	55,832	6.58%
Trees Off ROW-Limb	4,696,759	419	28,782	4.78%
Lightning	1,582,984	357	19,061	4.07%
Forced Outage	3,655,771	315	68,356	3.59%
Trees On ROW	4,306,985	312	17,714	3.56%
Vehicle	8,873,190	302	58,464	3.45%
Bird	851,029	290	11,133	3.31%
Trees - Sec/Service	345,327	136	823	1.55%
Ice	1,508,685	83	3,357	0.95%
Overload	428,876	73	4,037	0.83%
Human Error - Non-Company	507,723	72	4,452	0.82%
Object Contact With Line	762,007	52	5,049	0.59%
UG Dig-Up	267,522	21	1,092	0.24%
Customer Equipment	8,272	20	65	0.23%
Previous Lightning	10,195	20	94	0.23%
Fire	25,933	7	320	0.08%
Human Error - Company	56,930	6	1,937	0.07%
Vandalism	146	3	3	0.03%
Contamination	283	2	3	0.02%
Other Utility-Non Elec	2,512	2	10	0.02%
Other Electric Utility	75	1	1	0.01%
Switching Error	5,120	1	640	0.01%
Wind	309	1	1	0.01%
Total	77,955,889	8,766	610,606	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

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

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

Information is not required for the 4th Quarter report.

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).

Information is not required for the 4th Quarter report.

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).

Information is not required for the 4th Quarter report.

Section 57.195(e)(9): Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (for example, linemen, technician, and electrician).

Staffing Levels

Penn Power 2014					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	29	29	26	26
	Lineman	60	58	57	57
Substation	Technician	4	4	4	4
	Construction & Maintenance (C&M)	18	18	18	18
Total		111	109	105	105

Penelec 2014					
Department	Staff	1Q	2Q ⁶	3Q	4Q
Line	Leader / Chief	81	121	115	113
	Lineman	145	162	158	157
Substation	Technician	5	7	6	6
	Construction & Maintenance (C&M)	51	64	63	63
Total		282	354	342	339

Met-Ed 2014					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	52	50	51	54
	Lineman	173	171	167	164
Substation	Technician	15	15	15	15
	Construction & Maintenance (C&M)	59	58	58	58
Total		299	294	291	291

⁶ On April 14, 2014, the lockout of members of Utilities Workers Union of America (UWUA) Local 180 at Penelec ended.

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

Contractor Expenditures

This portion of the report is confidential per Docket L-00030161.

Section 57.195(e)(11): Monthly call-out acceptance rate for transmission and distribution maintenance workers presented in terms of both the percentage of accepted calls-out and the amount of time it takes the EDC to obtain the necessary personnel. A brief description of the EDC's call-out procedure should be included when appropriate.

Call-out Acceptance Rate

This portion of the report is confidential per Docket L-00030161.

Call-out Response

This portion of the report is confidential per Docket L-00030161.

RECEIVED
FEB 03 2015
PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

RECEIVED
FEB 03 2015
PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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	1,067	93	0	924,171	4,077	5.83	866.14	3.82	226.68	0
2	Mercer	W-129	Clark	1,619	72	0	851,245	3,426	5.37	525.78	2.12	248.47	0
3	Canal	W-101	Clark	1,484	56	0	422,781	2,140	2.67	284.89	1.44	197.56	0
4	Thompson Run	D-550	Zelienople	994	29	0	403,836	2,955	2.55	406.27	2.97	136.66	0
5	Chippewa	D-557	Zelienople	1,220	34	1	363,739	2,138	2.30	298.15	1.75	170.13	0
6	Jamestown	W-162	Clark	1,037	34	0	359,990	2,008	2.27	347.15	1.94	179.28	0
7	Hadley	W-195	Clark	909	48	0	358,843	2,640	2.27	394.77	2.90	135.93	0
8	Bessemer	D-394	New Castle	1,144	20	0	357,250	2,457	2.25	312.28	2.15	145.40	0
9	Hartstown	W-125	Clark	765	28	0	301,492	1,138	1.90	394.11	1.49	264.93	0

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	504	24	2	2,033,792	1,370	3.49	4,035	2.72	1,485	5.05
2	Punxsutawney	00625-23	DuBois	505	24	1	1,645,330	2,566	2.83	3,258	5.08	641	27.05
3	Warren South	00220-41	Warren	2,936	84	0	1,144,203	7,827	1.97	390	2.67	146	1.46
4	DuBois Central	00119-23	DuBois	1,364	40	0	1,082,761	2,274	1.86	794	1.67	476	0.69
5	Wyalusing Sub	00532-62	Towanda	653	20	1	917,590	2,834	1.58	1,405	4.34	324	10.24
6	Thompson	00436-65	Montrose	1,344	74	0	915,841	3,307	1.57	681	2.46	277	7.86
7	Union City	00206-43	Erie	3,760	126	0	890,564	10,391	1.53	237	2.76	86	13.21
8	Madera	00166-22	Philipsburg	2,217	64	1	880,516	8,054	1.51	397	3.63	109	4.41
9	East Pike	00095-13	Indiana	3,116	37	0	860,445	8,627	1.48	276	2.77	100	18.63
10	Boyer	00583-31	Erie	1,690	19	1	813,301	3,714	1.40	481	2.20	219	0.88
11	Rolling Meadows	00310-31	Erie	4,100	34	2	807,270	10,326	1.39	197	2.52	78	9.77
12	Central City West	00029-12	Somerset	1,497	20	1	671,281	3,551	1.15	448	2.37	189	10.98
13	Laceyville	00278-65	Montrose	366	10	0	650,560	708	1.12	1,777	1.93	919	0.00
14	Springboro	00237-52	Meadville	2,805	68	0	635,864	11,131	1.09	227	3.97	57	17.34
15	Union City	00208-43	Erie	1,247	42	2	630,938	2,872	1.08	506	2.30	220	20.43
16	Walnut Street	00520-31	Erie	1,656	19	1	626,133	2,385	1.08	378	1.44	263	18.75
17	Marienville	00327-51	Oil City	744	17	1	604,254	2,092	1.04	812	2.81	289	8.69
18	Powell Ave	00237-31	Erie	1,933	27	0	596,264	3,176	1.02	308	1.64	188	14.14
19	Laporte	00772-62	Towanda	350	20	2	584,308	923	1.00	1,669	2.64	633	15.49
20	Saxton	00625-73	Altoona	1,321	20	0	575,075	4,060	0.99	435	3.07	142	2.94
21	Meshoppen	00283-65	Montrose	363	26	1	567,084	1,531	0.97	1,562	4.22	370	0.00
22	Marienville	00328-51	Oil City	1,198	46	1	565,629	3,388	0.97	472	2.83	167	23.11
23	French Road	00222-31	Erie	1,685	19	2	562,586	5,671	0.97	334	3.37	99	9.72
24	Cooper	00069-11	Johnstown	761	28	2	530,155	2,274	0.91	697	2.99	233	15.81
25	Snakespring	00628-73	Altoona	956	28	2	523,069	2,509	0.90	547	2.62	208	9.95
26	Falls	00297-65	Montrose	799	25	0	513,796	2,407	0.88	643	3.01	213	2.55
27	Green Garden	00224-31	Erie	1,955	30	1	508,795	3,055	0.87	260	1.56	167	5.01
28	Lake City	00429-34	Erie	732	14	0	505,882	1,605	0.87	691	2.19	315	2.01
29	DuBois	00137-23	DuBois	2,919	67	0	502,085	4,536	0.86	172	1.55	111	0.15
30	Page Road	00445-43	Erie	654	36	1	497,953	2,542	0.86	761	3.89	196	7.62
31	East Towanda	00525-62	Towanda	677	34	0	496,592	1,050	0.85	734	1.55	473	7.01
32	N Meshoppen Tran	00531-65	Montrose	315	15	3	493,512	1,054	0.85	1,567	3.35	468	18.96
33	Logan	00701-81	Lewistown	1,406	26	2	477,731	6,595	0.82	340	4.69	72	6.00
34	Tiffany	00435-65	Montrose	1,406	31	3	468,772	4,293	0.81	333	3.05	109	43.03
35	McKean	00411-34	Erie	1,119	65	1	464,314	2,072	0.80	415	1.85	224	8.61

Penelec													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
36	N Meshoppen Tran	00534-65	Montrose	845	50	0	426,559	1,468	0.73	505	1.74	291	1.13
37	Carlisle Pike	00643-83	Shippensburg	3,139	36	0	418,620	4,335	0.72	133	1.38	97	1.00
38	Timblin	00116-23	DuBois	235	13	0	416,376	1,017	0.72	1,772	4.33	409	7.11
39	Thompson	00442-65	Montrose	658	29	0	416,082	1,061	0.71	632	1.61	392	9.23
40	Starruca	00744-65	Montrose	857	37	1	414,220	1,143	0.71	483	1.33	362	13.27
41	Shawville	00153-21	Clearfield	1,062	22	0	411,909	3,060	0.71	388	2.88	135	13.78
42	East Hickory	00201-41	Warren	340	19	3	411,622	2,426	0.71	1,211	7.14	170	34.06
43	Russell Hill	00282-65	Montrose	1,093	47	0	411,481	2,587	0.71	376	2.37	159	4.51
44	Knox	00325-51	Oil City	960	24	1	410,387	3,364	0.71	427	3.50	122	5.66
45	French Road	00223-31	Erie	2,135	24	3	408,703	4,858	0.70	191	2.28	84	0.70
46	Curryville	00644-71	Altoona	1,787	47	0	379,712	3,929	0.65	212	2.20	97	3.38
47	McConnellstown	00099-82	Altoona	778	21	2	361,797	2,393	0.62	465	3.08	151	18.44
48	Lowell Avenue	00518-31	Erie	977	23	0	361,245	1,747	0.62	370	1.79	207	6.45
49	Two Mile	00127-42	Bradford	1,297	23	0	358,341	3,125	0.62	276	2.41	115	7.55
50	Glen Campbell	00680-21	Clearfield	457	24	0	356,405	918	0.61	780	2.01	388	6.00
51	Tionesta Jct Sw Sta	00498-51	Oil City	1,090	43	0	345,083	3,433	0.59	317	3.15	101	12.85
52	Athens	00514-61	Towanda	852	28	1	342,883	2,051	0.59	402	2.41	167	2.79
53	Dixonville East	00120-13	Indiana	474	19	2	342,077	2,056	0.59	722	4.34	166	13.05
54	Edinboro	00420-34	Erie	1,575	35	1	338,907	4,073	0.58	215	2.59	83	11.98
55	McVeytown	00112-81	Lewistown	1,353	40	1	338,650	1,810	0.58	250	1.34	187	17.40
56	Meyersdale North	00022-12	Somerset	1,448	29	0	332,803	2,410	0.57	230	1.66	138	1.49
57	Philipsburg	00967-22	Philipsburg	821	7	1	325,163	1,684	0.56	396	2.05	193	12.51
58	Salix	00071-11	Johnstown	1,965	32	0	322,551	3,130	0.55	164	1.59	103	0.00
59	Brookville West	00121-23	DuBois	767	43	0	322,119	1,328	0.55	420	1.73	243	6.29
60	Blairsville East	00082-13	Indiana	65	13	1	320,508	3,322	0.55	4,931	51.11	96	2.22
61	Bradford North	00103-42	Bradford	573	12	0	312,639	2,014	0.54	546	3.51	155	6.74
62	Huntingdon	00189-82	Altoona	449	7	1	308,639	3,689	0.53	687	8.22	84	17.10
63	North Warren	00596-41	Warren	1,118	48	0	307,930	2,443	0.53	275	2.19	126	3.12

Met-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	North Bangor	00826-3	Easton	3,155	6,629	113	0	2,193,712	29.91	695.31	2.10	330.93	0.84
2	Shawnee	00822-3	Stroudsburg	3,627	6,439	111	0	2,121,634	28.93	584.96	1.78	329.50	0.00
3	Shawnee	00895-3	Stroudsburg	3,412	5,499	95	1	1,182,419	16.12	346.55	1.61	215.02	0.65
4	Fox Hill	00816-3	Stroudsburg	3,807	8,239	59	0	1,168,023	15.93	306.81	2.16	141.77	3.00
5	Birdsboro	00756-1	Reading	1,515	8,952	89	2	1,123,290	15.32	741.45	5.91	125.48	9.77
6	Birchwood	00623-3	Stroudsburg	1,314	2,835	35	1	1,097,350	14.96	835.12	2.16	387.07	0.00
7	Barto	00705-1	Boyertown	2,093	4,868	109	1	1,028,854	14.03	491.57	2.33	211.35	6.01
8	Birdsboro	00757-1	Reading	1,923	8,020	58	3	942,826	12.85	490.29	4.17	117.56	10.27
9	North Bangor	00813-3	Easton	1,408	3,977	33	0	859,025	11.71	610.10	2.82	216.00	0.00
10	North Cornwall	00610-2	Lebanon	1,586	6,207	36	1	841,715	11.48	530.72	3.91	135.61	9.56
11	Barto	00706-1	Boyertown	2,696	3,999	96	0	836,708	11.41	310.35	1.48	209.23	3.99
12	Snydersville	00621-3	Stroudsburg	1,758	4,235	27	2	800,599	10.92	455.40	2.41	189.04	2.00
13	S. Nazareth	00809-3	Easton	3,054	4,407	39	0	731,289	9.97	239.45	1.44	165.94	1.01
14	Bath	00873-3	Easton	2,120	4,385	24	1	718,237	9.79	338.79	2.07	163.79	0.00
15	Bern Church	00789-1	Reading	1,421	3,593	51	1	704,836	9.61	496.01	2.53	196.17	6.00
16	Allen	00502-4	Dillsburg	1,051	4,755	32	4	674,223	9.19	641.51	4.52	141.79	8.01
17	Birchwood	00624-3	Stroudsburg	2,005	6,969	28	3	612,395	8.35	305.43	3.48	87.87	2.00
18	Newberry	00586-4	York	1,600	3,044	41	1	547,758	7.47	342.35	1.90	179.95	5.00
19	Birchwood	00622-3	Stroudsburg	1,821	4,376	32	2	539,133	7.35	296.06	2.40	123.20	0.00
20	Annvile	00743-2	Lebanon	1,148	4,373	35	0	516,215	7.04	449.66	3.81	118.05	1.00
21	Hill	00737-4	York	2,207	4,819	37	1	498,476	6.80	225.86	2.18	103.44	18.02
22	Carsonia	00764-1	Reading	2,862	3,758	33	1	477,553	6.51	166.86	1.31	127.08	0.00
23	Moselem	00782-1	Reading	2,424	5,846	19	2	469,829	6.41	193.82	2.41	80.37	6.00
24	Bernville	00786-1	Hamburg	1,811	3,512	77	0	466,901	6.37	257.81	1.94	132.94	0.00
25	Taxville	00575-4	York	2,132	3,732	33	0	456,930	6.23	214.32	1.75	122.44	0.00
26	South Lebanon	00780-2	Lebanon	1,277	5,367	29	1	437,965	5.97	342.96	4.20	81.60	6.07
27	Mountain	00740-4	Dillsburg	2,480	8,071	30	1	422,937	5.77	170.54	3.25	52.40	0.00
28	Swatara Hill	00764-2	Lebanon	1,449	2,357	47	1	418,895	5.71	289.09	1.63	177.72	1.01
29	Marshalls Creek	00128-3	Stroudsburg	505	599	14	1	416,368	5.68	824.49	1.19	695.11	1.00
30	Shawnee	00837-3	Stroudsburg	1,239	3,634	24	1	413,728	5.64	333.92	2.93	113.85	0.33
31	Annvile	00742-2	Lebanon	1,178	2,018	26	1	404,764	5.52	343.60	1.71	200.58	1.99
32	3 rd and Green	00785-2	Lebanon	1,616	5,114	12	3	402,680	5.49	249.18	3.16	78.74	0.01
33	Ringing Rocks	00708-1	Boyertown	2,255	3,509	40	0	401,809	5.48	178.19	1.56	114.51	3.00
34	Ottsville	00661-3	Easton	668	1,785	42	2	399,574	5.45	598.16	2.67	223.85	0.00

Mct-Ed													
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
35	Weisenberg	00602-1	Hamburg	882	1,243	22	0	391,603	5.34	443.99	1.41	315.05	0.00
36	Bairs	00571-4	York	2,226	3,716	53	0	387,619	5.28	174.13	1.67	104.31	0.01
37	Newberry	00576-4	York	1,775	3,858	71	1	381,227	5.20	214.78	2.17	98.81	3.87
38	Leesport	00811-1	Hamburg	1,845	2,951	45	1	369,863	5.04	200.47	1.60	125.33	0.02

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

RECEIVED
FEB 03 2015
PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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

Penn Power							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
1	Stoneboro	W-132	<i>Performance was driven by trees off right-of-way (70%), lightning (9%), and line failure (4%).</i>				
			Repair damage caused by tree	Complete	Aug-13		
			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		
			Forestry will trim circuit	To be completed 2015			
2	Mercer	W-129	<i>Performance was driven by lightning (64%), trees off right-of-way (12%), and equipment failure (10%).</i>				
			Repair damage caused by tree	Complete	Apr-14		
			Repair equipment failure	Complete	Aug-14		
			Repair damage caused by tree	Complete	Nov-14		
			Forestry to trim circuit	To be completed 2015			
3	Canal	W-101	<i>Performance was driven by trees off right-of-way (70%) and equipment failure (15%).</i>				
			CEMI improvement - main feed	Complete	Aug-13		
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Jul-13		
			Repair equipment failure	Complete	Jul-14		
			Repair damage caused by tree	Complete	Sep-14		
			Forestry to trim circuit	To be completed 2015			
4	Thompson Run	D-550	<i>Performance was driven by vehicle (47%), trees off right-of-way (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			

Penn Power						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
5	Chippewa	D-557	<i>Performance was driven by line failure (65%), trees off right-of-way (15%), and equipment failure (10%).</i>			
			Repair damage caused by tree	Complete	Aug-13	
			Repair line failure	Complete	Jan-14	
			Repair equipment failure	Complete	Feb-14	
			Forestry to trim circuit	To be completed 2015		
6	Jamestown	W-162	<i>Performance was driven by trees off right-of-way (36%), equipment failure (22%), and line failure (20%).</i>			4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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	
7	Hadley	W-195	<i>Performance was driven by vehicle (33%), lightning (17%), ice (11%), and trees off right-of-way (19%).</i>			
			Repair damage caused by vehicle	Complete	Jul-14	
			Repair damage caused by tree	Complete	Nov-14	
8	Bessemer	D-394	<i>Performance was driven by trees off right-of-way (42%), and ice (7%).</i>			
			Repair line failure	Complete	Jan-14	
			Transferred load to reduce overload	Complete	Jan-14	
			Forestry to trim circuit	Complete	Dec-14	

Penn Power						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
9	Hartstown	W-125	<i>Performance was driven by trees off right-of-way (55%), ice (9%), and line failure (7%).</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	

Penélec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Brooklyn	00749-65	<i>Performance was driven by non-preventable trees (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 non-preventable trees (61%) and line failure (36%).</i>			
			Repair line failure	Complete	Jul-13	
			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	Warren South	00220-41	<i>Performance was driven by non-preventable trees (56%), damage due to wind (19%), and equipment failure (13%).</i>			3Q 2013 4Q 2013 2Q 2014 3Q 2014 4Q 2014
			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					
4	Dubois Central	00119-23	<i>Performance was driven by trees non-preventable (71%) and fuse operations of unknown cause (25%).</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	
5	Wyalusing Sub	00532-62	<i>Performance was driven by equipment failure during a storm (81%).</i>			
			Repair equipment failure	Complete	Dec-13	
			Repair equipment failure during storm	Complete	Jul-14	
			Repair damage caused by trees	Complete	Dec-14	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
6	Thompson	00436-65	<i>Performance was driven by trees non-preventable (69%), blown fuse of unknown cause (11%), and a line failure (9%).</i>				1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Repair damage caused by trees	Complete	Sep-13		
			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		
			Full cycle tree trimming	To be completed 2015			
7	Union City	00206-43	<i>Performance was driven by non-preventable trees (36%), equipment failure (31%), and unknown cause (13%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Repair tree damage from a minor storm	Complete	Jul-13		
			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		
			Circuit inspection	To be completed 2015			
8	Madera	00166-22	<i>Performance was driven by non-preventable trees (55%) and line failure (28%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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		
			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	Appeared in 4 of 6 Quarters	
9	East Pike	00095-13	<i>Performance was driven by equipment failure (51%) and line failure (41%).</i>				3Q 2013 4Q 2013 1Q 2014 3Q 2014 4Q 2014
			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			
10	Boyer	00583-31	<i>Performance was driven by vehicle accident (98%).</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			
11	Rolling Meadows	00310-31	<i>Performance was driven by equipment failure (53%) during storms and line failure (35%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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		
			Circuit inspection	To be completed 2015			
12	Central City West	00029-12	<i>Performance was driven by line failure (64%) and by recloser operation of unknown cause (28%).</i>				
			Restore recloser operation of unknown cause	Complete	Mar-14		
			Repair line failure	Complete	Jun-14		
13	Laceyville	00278-65	<i>Performance was driven by non-preventable trees (88%).</i>				
			Repair damage caused by trees during a storm	Complete	Jul-14		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
14	Springboro	00237-52	<i>Performance was driven by non-preventable trees (40%), equipment failure (28%), and line failure (14%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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					
15	Union City	00208-43	<i>Performance was driven by damage from line failure (61%), equipment failure (14%), and animal contact (13%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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	
16	Walnut Street	00520-31	<i>Performance was driven by equipment failure during a storm (95%).</i>			
			Repair equipment failure during storm	Complete	Jun-14	
17	Marienville	00327-51	<i>Performance was driven by unknown cause during a storm (40%), non-preventable trees (34%), and line failure (22%).</i>			1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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					

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
18	Powell Ave	00237-31	<i>Performance was driven by non-preventable trees (55%), recloser operation of unknown cause (20%), and line failure (17%).</i>				1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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			
19	Laporte	00772-62	<i>Performance was driven by recloser operation of unknown cause (83%).</i>				
			Restore recloser operation of unknown cause during storm	Complete	Jul-14		
			Repair damage caused by trees	Complete	Oct-14		
20	Saxton	00625-73	<i>Performance was driven by non-preventable trees (94%).</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			
21	Meshoppen	00283-65	<i>Performance was driven by non-preventable trees (61%) and equipment failure (18%).</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		
22	Marienville	00328-51	<i>Performance was driven by non-preventable trees (90%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 4Q 2014
			Repair damage caused by a tree	Complete	Jul-13		
			Repair damage caused by trees during a storm	Complete	Jul-13		
			Repair damage caused by a tree	Complete	Apr-14		
			Repair damage caused by trees	Complete	Oct-14		
			Repair damage caused by trees during a storm	Complete	Nov-14		
			Full cycle tree trimming	Complete	Sep-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	Appeared in 4 of 6 Quarters	
23	French Road	00222-31	<i>Performance was driven by line failure (38%), vehicle accident (23%), animal contact (19%), and equipment failure (10%).</i>				4Q 2013 2Q 2014 3Q 2014 4Q 2014
			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		
Circuit inspection	To be completed 2015						
24	Cooper	00069-11	<i>Performance was driven by non-preventable trees (75%) and weather (13%).</i>				3Q 2013 4Q 2013 2Q 2014 3Q 2014 4Q 2014
			Repair damage caused by a tree	Complete	Jul-13		
			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					
25	Snakespring	00628-73	<i>Performance was driven by equipment failure (64%) and non-preventable trees (21%).</i>				1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Repair damage caused by trees during a storm	Complete	Jan-14		
			Repair equipment failure	Complete	Mar-14		
			Repair equipment failure	Complete	Jun-14		
Repair line failure	Complete	Dec-14					
26	Falls	00297-65	<i>Performance was driven by non-preventable trees (69%) and equipment failure (21%).</i>				3Q 2013 4Q 2013 1Q 2014 3Q 2014 4Q 2014
			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	To be completed 1Q 2015*			
27	Green Garden	0224-31	<i>Performance was driven by non-preventable trees (89%).</i>				
			Repair damage caused by trees during a storm	Complete	Jun-14		
			Full cycle tree trimming	To be completed 2015			
28	Lake City	00429-34	<i>Performance was driven by trees (58%) and equipment failure (38%).</i>				
			Repair equipment failure during storm	Complete	Jan-14		
			Repair damage caused by a tree	Complete	Sep-14		

*Project was not completed in 2014 due to scheduling issues.

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
29	DuBois	00137-23	<i>Performance was driven by equipment failure (32%), non-preventable trees (30%), and line failure (18%).</i>				3Q 2013 4Q 2013 2Q 2014 3Q 2014 4Q 2014
			Repair damage caused by a vehicle	Complete	Sep-13		
			Repair equipment failure	Complete	Mar-14		
			Repair line failure	Complete	May-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			
30	Page Road	00445-43	<i>Performance was driven by line failure (49%), equipment failure (28%), and non-preventable trees (6%).</i>				
			Repair tree damage	Complete	Jul-13		
			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		
Circuit inspection	To be completed 2015						
31	East Towanda	00525-62	<i>Performance was driven by equipment failure (55%) and line failure (41%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Repair line failure	Complete	Jul-13		
			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		
Reconductoring circuit between poles TWM-1 and TWM-42	To be completed 2015						
32	N Meshoppen Tran	00531-65	<i>Performance was driven by non-preventable trees (96%).</i>				
			Repair damage caused by trees during a storm	Complete	Jul-14		
33	Logan	00701-81	<i>Performance was driven by equipment failure (50%) and a vehicle accident (44%).</i>				1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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	Appeared in 4 of 6 Quarters
34	Tiffany	00435-65	<i>Performance was driven by an unknown caused lockout (37%), line failure (31%), and non-company human error (24%).</i>			1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Restore unknown lockout	Complete	Jan-14	
			Repair line failure	Complete	Mar-14	
			Repair line damage from non-company human error	Complete	Apr-14	
35	McKean	00411-34	<i>Performance was driven by equipment failure (74%) and non-preventable trees (13%).</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	
		Full cycle tree trimming	To be completed 2015			
36	N Meshoppen Tran	00534-65	<i>Performance was driven by non-preventable trees (63%) and equipment failure (21%).</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		
37	Carlisle Pike	00643-83	<i>Performance was driven by equipment failure (32%), operation of unknown cause (30%), animal contact (20%), and lightning (16%).</i>			
			Repair equipment failure	Complete	Mar-14	
			Restore circuit breaker following animal contact	Complete	May-14	
			Repair damage caused by lightning	Complete	May-14	
		Restore recloser operation of unknown cause	Complete	Jun-14		
38	Timblin	00116-23	<i>Performance was driven non-preventable trees (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	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
39	Thompson	00442-65	<i>Performance was driven by non-preventable trees (96%).</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	
40	Starruca	00744-65	<i>Performance was driven by a vehicle accident (88%).</i>			1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Repair damage caused by a vehicle	Complete	Mar-14	
41	Shawville	00153-21	<i>Performance was driven by non-preventable trees (42%) and equipment failure (32%).</i>			
			Repair equipment failure during storm	Complete	Mar-14	
			Repair damage caused by trees	Complete	Aug-14	
			Repair equipment failure	Complete	Aug-14	
42	East Hickory	00201-41	<i>Performance was driven by non-preventable trees (92%).</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					
43	Russell Hill	00282-65	<i>Performance was driven by non-preventable trees (59%), a fuse operation due to unknown cause (17%), and line failure (15%).</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					
44	Knox	00325-51	<i>Performance was driven by equipment failure (40%), line failure (26%), and a vehicle accident (21%).</i>			
			Repair equipment failure	Complete	Jan-14	
			Repair equipment failure	Complete	Jun-14	
			Repair damage caused by vehicle accident	Complete	Oct-14	
			Repair line failure	Complete	Nov-14	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
45	French Road	00223-31	<i>Performance was driven by equipment failure (57%) and non-preventable trees (40%).</i>				
			Repair line failure	Complete	Jul-13	3Q 2013	
			Repair damage caused by a tree	Complete	Sep-13	4Q 2013	
			Repair equipment failure	Complete	Dec-13	1Q 2014	
			Repair equipment failure	Complete	Jan-14	2Q 2014	
			Repair damage caused by trees	Complete	Jul-14	3Q 2014	
			Repair equipment failure	Complete	Aug-14	4Q 2014	
46	Curryville	00644-71	<i>Performance was driven by equipment failure (30%), line failure (30%), vehicle accident (18%), and non-preventable trees (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						
47	McConnellstown	00099-82	<i>Performance was driven by line failure (55%) and a vehicle accident (28%).</i>				
			Repair damage caused by vehicle accident	Mar-14			
			Repair line failure	Jun-14			
			Repair line failure	Dec-14			
			Circuit inspection	To be completed 2015			
48	Lowell Avenue	00518-31	<i>Performance was driven by equipment failure (61%), a vehicle accident (13%), and non-preventable trees (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			

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
49	Two Mile	00127-42	<i>Performance was driven by human error non-company (54%) and equipment failure (38%).</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	
			Circuit inspection	To be completed 2015		
50	Glen Campbell	00680-21	<i>Performance was driven by non-preventable trees (54%), equipment failure (19%), 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		
51	Tionesta Jct Sw Sta	00498-51	<i>Performance was driven by non-preventable trees (56%) and lightning (25%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Installed 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	
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	Appeared in 4 of 6 Quarters	
52	Athens	00514-61	<i>Performance was driven by equipment failure (34%), lightning (32%), and a vehicle accident (21%).</i>				1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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			
53	Dixonville East	00120-13	<i>Performance was driven by equipment failure (60%) and non-preventable trees (27%).</i>				
			Repair equipment failure	Complete	May-14		
			Repair equipment failure	Complete	Jun-14		
			Repair damaged caused by trees	Complete	Jul-14		
54	Edinboro	00420-34	<i>Performance was driven by equipment failure (49%) and line failure (34%).</i>				4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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		
55	McVeytown	00112-81	<i>Performance was driven by non-preventable trees (91%).</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		
56	Meyersdale North	00022-12	<i>Performance was driven by non-preventable trees (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		
57	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		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
58	Salix	00071-11	<i>Performance was driven by equipment failure (82%).</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		
59	Brookville West	00121-23	<i>Performance was driven by non-preventable trees (89%).</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	
60	Blairsville East	00082-13	<i>Performance was driven by line failure (72%) and non-preventable trees (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		
61	Bradford North	00103-42	<i>Performance was driven by human error non-company (51%) 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	
62	Huntingdon	00189-82	<i>Performance was driven by equipment failure (99%).</i>			
			Repair equipment failure	Complete	Mar-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	Appeared in 4 of 6 Quarters
63	North Warren	00596-41	<i>Performance was driven by non-preventable trees (60%), an unknown fuse operation (18%), and lightning (11%).</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	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					
	Birmingham	00168-22	<i>Performance was driven by line failure (50%), equipment failure (26%) and non-preventable trees (14%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014
			Repair line failure	Complete	Sep-13	
			Repair equipment failure	Complete	Sep-13	
			Repair damage caused by trees	Complete	Apr-14	
			Repair equipment failure	Complete	Apr-14	
	Covington	00729-63	<i>Performance was driven by non-preventable trees (67%) and line failure (30%) during a storm.</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014
			Repair line failure	Complete	Sep-13	
			Repair damage caused by trees during a storm	Complete	Sep-13	
			Repair line failure	Complete	May-14	
			Add additional protection per circuit coordination	Complete	Nov-14	
			Circuit inspection	Complete	Nov-14	
			Full cycle tree trimming	Complete	Dec-14	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Philipsburg	00162-22	<i>Performance was driven by equipment failure (51%), non-preventable trees (13%) during storm, and a vehicle accident (8%).</i>			3Q 2013
			Repair equipment failure	Complete	Jul-13	4Q 2013
			Repair equipment failure	Complete	Jul-13	1Q 2014
			Repair damage caused by a vehicle accident	Complete	Jan-14	2Q 2014
	Ralphton	00015-12	<i>Performance was driven by non-preventable trees (66%) and a vehicle accident (17%).</i>			
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Repair tree damage	Complete	Aug-13	
			Repair damage caused by vehicle accident	Complete	Mar-14	
			Full cycle tree trimming	Complete	Mar-14	
			Circuit inspection	Complete	Nov-14	
	Union City	00207-43	<i>Performance was driven by damage non-preventable trees (35%), equipment failure (28%) and line failure (15%).</i>			3Q 2013
			Repair line failure	Complete	Jul-13	4Q 2013
			Repair equipment failure	Complete	Feb-14	1Q 2014
			Repair damage caused by trees during a storm	Complete	Apr-14	2Q 2014
			Circuit inspection	Complete	Jul-14	
			Full cycle tree trimming	Complete	Dec-14	
	Buffalo Road	00201-31	<i>Performance was driven by non-preventable trees (75%) during a storm and equipment failure (14%).</i>			
			Repair equipment failure	Complete	Sep-13	
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Full cycle tree trimming	Complete	Mar-14	
			Circuit inspection	Complete	Nov-14	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Timblin	00115-23	<i>Performance was driven by non-preventable trees (52%) during a storm and line failure (36%).</i>			
			Repair line failure	Complete	Nov-13	
			Repair line failure	Complete	Jan-14	
			Add additional protection per circuit coordination	Complete	Apr-14	
			Repair damage caused by trees	Complete	Apr-14	
			Full cycle tree trimming	Complete	Sep-14	
			Replace selected deteriorated equipment identified by circuit patrol	Complete	Dec-14	
	Waverly	00164-66	<i>Performance was driven by non-preventable trees (65%) and object in contact with line (32%) during a storm.</i>			
			Repair damage caused by trees during a storm	Complete	Sep-13	
			Full cycle tree trimming	Complete	Oct-14	
			Add additional protection per circuit coordination	Complete	Jan-15	
	Pittsburgh Avenue	00524-31	<i>Performance was driven by equipment failure (62%), animal contact (22%), and line failure (8%).</i>			4Q 2013 1Q 2014
			Circuit inspection	Complete	Jul-13	
			Restored circuit breaker following animal contact	Complete	Oct-13	
			Repair equipment damage	Complete	Oct-13	
			Repair line failure	Complete	Jan-14	
			Add additional protection per circuit coordination	Complete	Oct-14	
	Timblin	00103-23	<i>Performance was driven by equipment failure (40%), non-preventable trees (13%), and car pole accidents (9%).</i>			3Q 2013 4Q 2013
			Repair damage caused by a tree	Complete	Jul-13	
			Circuit inspection	Complete	Sep-13	
			Repair damage caused by a vehicle	Complete	Nov-13	
			Install additional fault indicators	Complete	May-14	
			Full cycle tree trimming	Complete	Dec-14	
	Logan	00700-81	<i>Performance was driven by non-preventable trees during a storm (98%).</i>			4Q 2013 1Q 2014 2Q 2014 3Q 2014
			Repair damage caused by trees during a storm	Complete	Nov-13	
			Repair damage caused by trees during a storm	Complete	Apr-14	
			Full cycle tree trimming	Complete	Sep-14	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Madera	00165-22	<i>Performance was driven by equipment failure (31%), non-preventable trees (26%), and fuse operation unknown cause (12%).</i>			3Q 2013
			Circuit inspection	Complete	Aug-13	4Q 2013
			Repair equipment failure	Complete	May-14	1Q 2014
			Repair line failure	Complete	Jun-14	2Q 2014
			Restored fuse operation of unknown cause	Complete	Jul-14	3Q 2014
			Repair damage caused by trees	Complete	Aug-14	
	Elk Run	00622-23	<i>Performance was driven by line failure (43%) and non-preventable trees (54%) during a storm.</i>			4Q 2013
			Repair damage caused by trees during a storm	Complete	Nov-13	1Q 2014
			Repair line failure	Complete	Dec-13	2Q 2014
			Repair damage caused by trees	Complete	Feb-14	3Q 2014
			Repair damage caused by trees	Complete	Sep-14	
	Rockton Mountain	00138-21	<i>Performance was driven non-preventable trees (60%), breaker operation of unknown cause (20%), and equipment failure (13%).</i>			4Q 2013
			Repair damage caused by a tree	Complete	Dec-13	1Q 2014
			Repair equipment failure	Complete	Feb-14	2Q 2014
			Restored breaker operation of unknown cause during storm	Complete	Jul-14	3Q 2014
			Full cycle tree trimming	Complete	Dec-14	
	Tionesta	00344-51	<i>Performance was driven by non-preventable trees (64%) during a storm and recloser operation from an unknown cause (31%).</i>			4Q 2013
			Circuit inspection	Complete	Sep-13	1Q 2014
			Repair damage caused by trees during a storm	Complete	Nov-13	2Q 2014
			Repair damage caused by trees during a storm	Complete	Nov-13	3Q 2014
			TM patrolled line and restored recloser operation of unknown cause	Complete	Nov-13	
			Add additional protection per circuit coordination	Complete	Mar-14	
			Full cycle tree trimming	Complete	May-14	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Erie South	00259-31	<i>Performance was driven by line failure (42%) and equipment failure (39%).</i>			
			Repair line failure	Complete	Jul-13	3Q 2013
			Repair equipment failure	Complete	Dec-13	4Q 2013
			Repair line failure	Complete	Mar-14	1Q 2014
			Full cycle tree trimming	Complete	Sep-14	2Q 2014

Met-Ed							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6-Quarters	
1	North Bangor	00826-3	<i>Performance was driven by damage from a single snow storm (70%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 4Q 2014
			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		
2	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		
			Replace porcelain cutouts on recloser backbone with polymer cutouts	To be completed 2015			
			Comprehensive tree trimming	To be completed 2015			
			Install fault indicators	To be completed 2015			
			Perform wood pole inspection	To be completed 2015			
3	Shawnee	00895-3	<i>Performance was driven by non-preventable trees (68%) and equipment failure (10%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Replace switch	Complete	Apr-14		
			Upgrade step transformer	Complete	May-14		
			Install additional Supervisory Control and Data Acquisition (SCADA) switch	Complete	Jul-13		
			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	Appeared in 4 of 6 Quarters	
4	Fox Hill	00816-3	<i>Performance driven by equipment failure (34%) and non-preventable trees (35%).</i>				3Q 2013 4Q 2013 1Q 2014 3Q 2014 4Q 2014
			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			

Met-Ed							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
5	Birdsboro	00756-1	<i>Performance was driven by trees-non preventable (52%) and equipment failures (29%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Spot tree trimming and removals	Complete	Aug-13		
			Proactive every other month main line forestry inspection	Complete	Sep-13		
			Spot tree trimming and removals	Complete	Oct-13		
			Upgrade main line recloser and customer re-distribution project	Complete	Oct-13		
			Replace main line crossarm from assessment	Complete	Oct-13		
			Perform accelerated backbone and three phase assessment	Complete	Dec-13		
			Install additional main line recloser	Complete	Jan-14		
			Install additional main line fault indicators	Complete	Jan-14		
			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	To be completed 2015			
			Proactive every-other-month main line forestry inspection	To be completed 2015			
Complete engineering review for additional remote control devices	To be completed 2015						
6	Birchwood	00623-3	<i>Performance was driven by damage from a single snow storm (79%).</i>				
			Comprehensive circuit assessment	Complete	Jul-14		
			Comprehensive tree trimming	Complete	Dec-14		
			Replace/repair high priority items identified during circuit patrol	To be completed 2015			
			Install fault indicators	To be completed 2015			

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
7	Barto	00705-1	<i>Performance was driven by trees non-preventable (36%), trees preventable (27%), and equipment failures (13%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Perform accelerated backbone assessment	Complete	Sep-13	
			Replace main line crossarm from assessment	Complete	Sep-13	
			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	
			Install additional main line fault indicators	To be completed 2015		
			Engineering circuit protection review in conjunction with Huffs Church substation construction	To be completed 2015		
			Comprehensive circuit assessment	To be completed 2015		
8	Birdsboro	00757-1	<i>Performance was driven by trees non-preventable (53%), equipment failures (17%), and an outage caused by an animal (12%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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	To be completed 2015		
			Proactive every-other-month main line forestry inspection	To be completed 2015		
9	North Bangor	00813-3	<i>Performance was driven by vehicle accidents (60%) and non-preventable trees (25%).</i>			3Q 2013 4Q 2013 2Q 2014 3Q 2014 4Q 2014
			Install new electronic recloser	Complete	Sep-13	
			Mid-cycle backbone and three phase forestry inspection	Complete	Sep-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	Appeared in 4 of 6 Quarters	
10	North Cornwall	00610-2	<i>Performance was primarily driven by non-preventable trees (63%).</i>				
			Replace deteriorating insulator	Complete	Aug-13		
			Mid-cycle backbone and three phase forestry inspection	Complete	Oct-14		
			Comprehensive circuit assessment	To be completed 2015			
11	Barto	00706-1	<i>Performance was driven by trees non-preventable (63%) and an outage caused by a vehicle (20%).</i>				
			Complete engineering circuit configuration review	Complete	Sep-14		
			Upgrade main line reclosers	To be completed 2015			
			Replace main line crossarm from assessment	To be completed 2015			
12	Snydersville	00621-3	<i>Performance was driven by damage from a single snow storm (68%).</i>				3Q 2013 4Q 2013 3Q 2014 4Q 2014
			Perform accelerated backbone and three phase assessment	Complete	Oct-13		
			Replace substation recloser and add remote control	Complete	Oct-13		
			Comprehensive tree trimming	Complete	Nov-14		
			Correct fuse coordination	Complete	Dec-13		
Install fault indicators	To be completed 2015						
13	S. Nazareth	00809-3	<i>Performance was driven by vehicle accidents (75%) and forced outages (15%).</i>				3Q 2014 4Q 2014 1Q 2013 4Q 2013
			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	To be completed 2015						

Met-Ed							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
14	Bath	00873-3	<i>Performance was driven by vehicle accidents (77%) and birds (12%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete			
			Comprehensive circuit assessment	To be completed 2015			
			Replace porcelain cutouts on circuit backbone with polymer cutouts	To be completed 2015			
15	Bern Church	00789-1	<i>Performance was driven by an outage caused by a vehicle accident (33%), trees non-preventable (32%), and equipment problems (26%).</i>				3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Perform accelerated backbone and three phase circuit assessment	Complete	Sep-13		
			Install additional main line fault indicators	Complete	Dec-13		
			Repair main line ridge pins from assessment	Complete	Mar-14		
			Complete engineering for substation relay upgrade	Complete	Mar-14		
			Perform wood pole inspections	Complete	Jun-14		
			Upgrade substation relays	Complete	Sep-14		
			Comprehensive tree trimming	Complete	Dec-14		
Pole replacements from pole inspections	Complete	Jan-15					
16	Allen	00502-4	<i>Performance was driven by line/equipment failures (51%), non-preventable trees (41%), and vehicle contacts (8%).</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	To be completed 2015			

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
17	Birchwood	00624-3	<i>Performance was driven by equipment failure (29%), vehicle accidents (27%), line failure (15%), and non-preventable trees (15%).</i>			
			Replace switch	Complete	Feb-14	
			Replace tie switch	Complete	May-14	
			Install fault indicators	Complete	Jul-14	
			Replace recloser	Complete	Sep-14	
			Comprehensive circuit patrol	Complete	Aug-14	
			Comprehensive tree trimming	Complete	Nov-14	
Replace porcelain cutouts on circuit backbone	To be completed 2015					
18	Newberry	00586-4	<i>Performance was driven by non-preventable tree caused outages (25%) and vehicle accidents (31%).</i>			
			Comprehensive circuit assessment	Complete	Oct-14	
			Replace/repair high priority items identified during circuit patrol	To be completed 2015		
19	Birchwood	00622-3	<i>Performance was driven by damage from a single snow storm (85%).</i>			
			Comprehensive circuit assessment	Complete	Sep-14	
			Comprehensive tree trimming	Complete	Nov-14	
20	Annville	00743-2	<i>Performance was primarily driven by a cutout problem (52%), a conductor issue (22%), and non-preventable trees (10%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			Replace broken switch	Complete	Jul-13	
			Replace crossarm	Complete	Jan-14	
			Replace crossarm	Complete	Jan-14	
			Replace Pole	Complete	Jan-14	
			Mid-cycle backbone and three phase forestry inspection	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					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
21	Hill	00737-4	<i>Performance was driven by vehicle accidents (64%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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		
22	Carsonia	00764-1	<i>Performance driven by substation equipment failure (41%), a line failure (24%), and an outage caused by a vehicle (18%).</i>			
			Comprehensive tree trimming	Complete	Jan-14	
			Comprehensive circuit assessment	Complete	Sep-14	
			Replace main line arrester from assessment	To be completed 2015		
23	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		
24	Bernville	00786-1	<i>Performance was driven by equipment failures (36%), line failures (15%), trees preventable (14%), and trees non-preventable (14%).</i>			
			Install additional main line fault indicators	Complete	Jul-13	
			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 pole replacement	To be completed 2015		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
25	Taxville	00575-4	<i>Performance was driven by equipment failure (72%).</i>			
			Comprehensive circuit assessment	To be completed 2015		
26	South Lebanon	00780-2	<i>Performance was primarily driven by non-preventable trees (43%) and storm related outages (33%).</i>			
			Install fault indicators at two locations	Complete	Aug-13	
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13	
			Spot forestry inspection	Complete	Aug-14	
			Comprehensive tree trimming	To be completed 2015		
27	Mountain	00740-4	<i>Performance was driven by line/equipment failures (90%), human error (4%), vehicle contact (2%), and animal contact (2%).</i>			
			Comprehensive tree trimming	Complete	Aug-14	
			Install one recloser at new location	Complete	Oct-14	
28	Swatara Hill	00764-2	<i>Performance was primarily driven by vehicle accidents (62%) 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	
29	Marshalls Creek	00128-3	<i>Performance was driven by non-preventable trees (94%).</i>			
			Engineering to perform circuit protection review	Complete	Dec-14	
30	Shawnee	00837-3	<i>Performance was driven by non-preventable trees (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	
			Comprehensive tree trimming	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	Appeared in 4 of 6 Quarters	
31	Annville	00742-2	<i>Performance was primarily driven by one storm related outage (80%).</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			
32	3 rd and Green	00785-2	<i>Performance was primarily driven by an insulator issue (90%).</i>				
			Comprehensive tree trimming	Complete	Aug-14		
			Replace arrester	Complete	Nov-14		
			Replace two crossarms, three cutouts, and three arresters	Complete	Nov-14		
33	Ringing Rocks	00708-1	<i>Performance was driven by line failure (38%), equipment failures (31%), and trees non-preventable (26%).</i>				
			Comprehensive circuit assessment	Complete	Oct-14		
			Replace crossarm from assessment	To be completed 2015			
34	Ottsville	00661-3	<i>Performance was driven by non-preventable trees (71%) and line failure (31%).</i>				3Q 2013
			Comprehensive tree trimming	Complete	Dec-13	4Q 2013	
			Perform wood pole inspection	Complete	Mar-14	1Q 2014	
			Install additional tap fuses	Complete	Jul-14	2Q 2014 4Q 2014	
35	Weisenberg	00602-1	<i>Performance was driven by an outage caused by equipment failure (77%).</i>				
			Install additional main line fault indicators	Complete	Sep-14		
			Comprehensive circuit assessment	To be completed 2015			
36	Bairs	00571-4	<i>Performance was driven by equipment failure (59%).</i>				
			Replace broken cutout	To be completed 2015			

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
37	Newberry	00576-4	<i>Performance was driven by trees preventable (20%), trees non-preventable (15%), and equipment failure (36%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014 4Q 2014
			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	
38	Leesport	00811-1	<i>Performance driven by trees non-preventable (27%), trees preventable (23%), and a vehicle accident (23%).</i>			3Q 2013 4Q 2013 1Q 2014 3Q 2014 4Q 2014
			Complete work request design for additional main line recloser	Complete	Aug-13	
			Install fuse/bypass on main line	Complete	Oct-13	
			Install main line arresters	Complete	Oct-13	
			Install additional main line recloser	Complete	Nov-13	
			Main line crossarm repair from comprehensive circuit patrol	Complete	Nov-14	
			Main line pole top repair from assessment	Complete	Dec-14	
Comprehensive tree trimming	To be completed 2015					
	South Hamburg	00745-1	<i>Performance was driven by a line failure outage (59%) and animal-caused outages (39%).</i>			4Q 2013 1Q 2014 2Q 2014 3Q 2014
			Comprehensive circuit assessment	Complete	Aug-13	
			Perform accelerated backbone and three phase assessment	Complete	Dec-13	
			Substation equipment repairs	Complete	Dec-13	
			Install animal protection at tie switch	Complete	Feb-14	
			Replace 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					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Birdsboro	00760-1	<i>Performance was driven by equipment failures (46%) and trees preventable (32%).</i>			4Q 2013 1Q 2014 2Q 2014 3Q 2014
			Complete engineering circuit configuration review	Complete	Sep-14	
			Comprehensive tree trimming	Complete	Sep-14	
			Install additional main line fault indicators	To be completed 2015		
			Install additional main line tap fusing	To be completed 2015		
	Allen	00501-4	<i>Performance was driven by vehicle related outages (67%), non-preventable trees (17%), and substation animal contact and adjacent circuit sleeve failure during emergency switching (12%).</i>			4Q 2013 1Q 2014 2Q 2014 3Q 2014
			Perform engineering review of faulted circuit indicator age and locations	Complete	Nov-14	
			Comprehensive tree trimming	To be completed 2015		
	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	
	Flying Hills	00777-1	<i>Performance was driven by trees preventable (27%), trees non-preventable (19%), and line failures (26%).</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		
	Glendon	00818-3	<i>Performance was driven by vehicle accidents (65%).</i>			
			Reconductor six spans of main line	To be completed 2015		
			Comprehensive circuit assessment	To be completed 2015		
	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	To be completed 2015		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Mt Rose	00564-4	<i>Performance was driven by trees non-preventable (98%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014
			Perform accelerated backbone and three phase circuit assessment	Complete	Jan-14	
			Comprehensive tree trimming	Complete	Mar-14	
			Forestry to perform off cycle comprehensive circuit tree patrol	Complete	Jun-14	
	Windsor	00795-4	<i>Performance was driven by tree preventable (20%) and trees non-preventable (41%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014
			Replace/Repair high priority items identified during circuit patrol	Complete	Jul-13	
	Tolna	00792-4	<i>Performance was driven by vehicle accidents (91%).</i>			4Q 2013 1Q 2014 2Q 2014 3Q 2014
			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	
			Comprehensive tree trimming	To be completed 2015		
			Repair critical item from circuit assessment	To be completed 2015		
	Newberry	00577-4	<i>Performance was driven by equipment failure (79%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014 3Q 2014
			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	To be completed 2015		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Mountain	00744-4	<i>Performance driven by non-preventable trees (71%) and line/equipment failures (26%).</i>			4Q 2013 1Q 2014 2Q 2014 3Q 2014
			Perform accelerated circuit reliability assessment of main line	Complete	Oct-13	
			Perform accelerated circuit reliability assessment of three phase	Complete	Oct-14	
			Comprehensive tree trimming	Complete	Jun-14	
			Upgrade main line switch #74459 to remote control Motor Operated Air Break (MOAB) with radio faulted circuit indicators	Complete	Oct-14	
	Douglassville	00125-1	<i>Performance driven by trees preventable (57%) and trees non-preventable (20%).</i>			
			Spot forestry inspection	Complete	Jul-13	
			Install main line fault indicators	Complete	Aug-13	
			Wood pole inspections	Complete	Nov-13	
			Pole replacement from pole inspections	Complete	Jan-14	
			Spot forestry inspection	Complete	Aug-14	
			Comprehensive tree trimming	Complete	Dec-14	
	Lorane	00561-1	<i>Performance driven by underground cable problems (54%) and equipment failures (28%).</i>			
			Comprehensive circuit assessment	Complete	Sep-13	
			Replace crossarm from assessment	Complete	Mar-14	
			Replace underground cable in Oakbrook Estates	Complete	Jun-14	
			Replace additional underground cable in Oakbrook Estates	Complete	Oct-14	
			Replace additional underground cable in Oakbrook Estates	Complete	Dec-14	
	Hokes	00587-4	<i>Performance was driven by trees preventable (44%).</i>			
			Install additional animal guarding to protect the circuit three phase	Complete	Oct-13	
			Comprehensive circuit assessment	Complete	Apr-14	
			Comprehensive tree trimming	Complete	Nov-14	
			Install additional fuse to protect the circuit backbone	Complete	Dec-14	

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	South Hamburg	00801-1	<i>Performance was driven by equipment failures (86%).</i>			
			Replace crossarm from assessment	Complete	Nov-13	
			Replace main line insulator	Complete	Feb-14	
			Complete engineering circuit configuration review	Complete	Sep-14	
			Install additional main line fault indicators	Complete	Sep-14	
			Replace arrester from assessment	Complete	Dec-14	
			Replace crossarm brace from assessment	Complete	Dec-14	
			Replace crossarms from assessment	Complete	Dec-14	
	N. Bangor	00826-3	<i>Performance was driven by equipment failure (74%), and non-preventable trees (11%).</i>			3Q 2013 4Q 2013 1Q 2014 2Q 2014
			Perform accelerated backbone and three phase circuit assessment	Complete	Oct-13	
			Install single phase tie switch	Complete	Apr-14	
			Perform wood pole inspection	Complete	Apr-14	
			Replace 10 poles identified during wood pole inspection	Complete	Jun-14	
			Comprehensive tree trimming	Complete	Jul-14	
	Broad Street	00776-2	<i>Performance was primarily driven by an insulator failure (41%) and a vehicle accident (29%).</i>			3Q 2013 4Q 2013
			Repair broken switch - 77666	Complete	Aug-13	
			Install additional main line recloser	Complete	Dec-14	
	Pine Lane	00720-1	<i>Performance driven by a vehicle accident (56%) and trees non-preventable (24%).</i>			
			Spot forestry inspection	Complete	Aug-13	
			Comprehensive circuit assessment	Complete	Oct-14	
	Lynnville	00735-1	Replace main line porcelain cutouts with polymer cutouts	Complete	Dec-14	
			<i>Performance was driven by insulator problem (62%) and tree outages (17%).</i>			
			Comprehensive tree trimming	Complete	Nov-13	
			Comprehensive circuit assessment	Complete	Jan-14	
			Install additional main line disconnects	Complete	Dec-14	

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Birchwood	00623-3	<i>Performance was driven by equipment failure (65%).</i>			
			Comprehensive circuit assessment	Complete	Jul-14	
			Comprehensive tree trimming	Complete	Dec-14	
	Hill	00734-4	<i>Performance was driven by trees preventable (2%) and trees non-preventable (74%).</i>			
			Perform accelerated three phase assessment	Complete	Oct-13	
			Perform accelerated backbone assessment	Complete	Oct-13	
			Perform accelerated single phase 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	
			Replace/repair high priority items identified during circuit patrol	Complete	Dec-14	
	South Hamburg	00741-1	<i>Performance driven by vehicle accidents (34%), equipment failure (19%), and line failure (14%).</i>			
			Comprehensive circuit assessment	Complete	Aug-13	
			Replace main line crossarm from assessment	Complete	Aug-13	
			Perform accelerated backbone and three phase assessment	Complete	Dec-13	
			Replace main line crossarm from assessment	Complete	Dec-13	
			Replace main line crossarms from assessment	Complete	Dec-14	
	Mountain	00742-4	<i>Performance driven by equipment failure (52%) trees non-preventable (42%).</i>			
			Perform accelerated circuit reliability assessment of main line	Complete	Oct-13	
			Perform accelerated circuit reliability assessment of three phase	Complete	Oct-13	
			Perform off cycle tree trimming Rockledge Road area	Complete	Oct-13	
			Comprehensive tree trimming	Complete	Oct-14	
			Complete engineering circuit configuration review	Complete	Nov-14	

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	South Hamburg	00743-1	<i>Performance was driven by crossarm problems (46%) and tree outages (38%).</i>			
			Replace additional main line crossarms from backbone assessment	Complete	Oct-13	
			Comprehensive circuit assessment	Complete	Sep-13	
			Install additional main line recloser	Complete	Dec-14	
	Lincoln Park	00750-1	<i>Performance was driven by underground line failures (55%) and vehicle accidents (34%).</i>			
			Replace underground cable in Grove Ave URD	Complete	Aug-13	
			Create back feed to Grove Ave URD	Complete	Aug-13	
			Install main line fault indicators	Complete	Apr-14	
			Comprehensive circuit assessment	Complete	Apr-14	
			Install main line tap fuses	Complete	May-14	
			Comprehensive tree trimming	Complete	Oct-14	
	Hamilton	00789-4	<i>Performance was driven by equipment failure (70%), vehicle accidents (16%), and trees non-preventable (8%).</i>			
			Perform accelerated circuit reliability assessment of main line	Complete	Nov-13	
			Comprehensive tree trimming	Complete	Dec-14	
	Bern Church	00791-1	<i>Performance was driven by wind and trees during a storm (90%).</i>			
			Perform accelerated backbone assessment	Complete	Sep-13	
			Comprehensive tree trimming	Complete	Dec-14	
	Northwood	00808-3	<i>Performance was driven by equipment failure (72%), and line failure (26%).</i>			
			Perform accelerated backbone and three phase circuit assessment	Complete	Jan-14	
			Comprehensive tree trimming	Complete	May-14	
	Ferndale	00871-3	Replace sectionalizer with Supervisory Control and Data Acquisition (SCADA) Motor Operated Air Break (MOAB)	Complete	Jul-14	
			<i>Performance was driven by trees non-preventable (53%) and a vehicle accident (20%).</i>			
			Install Supervisory Control and Data Acquisition (SCADA) controlled switch	Complete	Sep-14	

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Lynnville	00748-1	<i>Performance driven by trees non-preventable (40%), trees preventable (2%), equipment failures (14%), and line failure (11%).</i>			
			Comprehensive tree trimming	Complete	Dec-13	
			Comprehensive circuit assessment	Complete	Jul-14	

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Joint 4th Quarter 2014 Reliability Report – :
Metropolitan Edison Company, :
Pennsylvania Electric Company and :
Pennsylvania Power Company – Public :
Version :

CERTIFICATE OF SERVICE

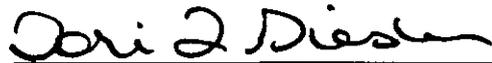
I hereby certify that I have this day served a true and correct copy of the foregoing document upon the individuals listed below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

Service by first class mail, as follows:

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

Tanya McCloskey
Office of Consumer Advocate
555 Walnut Street
5th Floor Forum Place
Harrisburg, PA 17101-1923

Dated: February 2, 2015



Tori L. Giesler
Attorney No. 207742
FirstEnergy Service Company
2800 Pottsville Pike
P.O. Box 16001
Reading, Pennsylvania 19612-6001
(610) 921-6203
tgiesler@firstenergycorp.com

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

GLENN R COLDREN
(610) 921-6633
AE-1440
2800 POTTSVILLE PIKE
READING PA 19605-2459

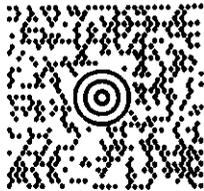
3 LBS

PAK

1 OF 1

SHIP TO:

ROSEMARY CHIAVETTA, SECRETARY
PA PUBLIC UTILITY COMMISSION
2ND FLOOR
COMMONWEALTH KEYSTONE BUILDING
400 NORTH STREET
HARRISBURG PA 17120-0079



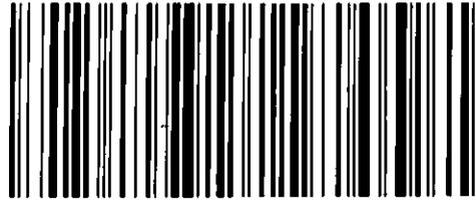
PA 171 9-20



UPS NEXT DAY AIR

1

TRACKING #: 1Z AE1 440 01 5774 9679



BILLING: P/P

REF 1:cc # 503003
REF 2:TORI GIESLER R - REAP - 37
US 17.0.21

LP2B

PUBLIC UTILITY C
400 NORTH ST
FL 2
HARRISBURG PA 171



SEE NOTICE ON REVERSE regarding UPS Terms, and notice of limitation of liability. Where allowed by law, shipper authorizes UPS to act as local customs purposes. If exported from the US, shipper certifies that the commodities, technology or software were exported from the US in accord with regulations. Diversion contrary to law is prohibited.