FirstEnergy

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L-00030161

February 22, 2013

VIA UNITED PARCEL SERVICE

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17120

Re: Supplemental Submission - Joint 4th Quarter 2012 Reliability Report – Pennsylvania Power Company, Pennsylvania Electric Company and Metropolitan Edison Company – Public Version

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of Pennsylvania Power Company ("Penn Power"), Pennsylvania Electric Company ("Penelec") and Metropolitan Edison Company ("Met-Ed") (collectively, "the Companies") are two copies of a supplemental report of the Joint 4th Quarter 2012 Reliability Report – Public Version ("Joint Report"). Please date stamp the additional copy and return it in the postage-prepaid envelope provided.

On January 25, 2013, Met-Ed and Penelec separately filed requests for exclusion of major outage for reliability reporting purposes in accordance with the requirements of Commission Order entered May 11, 2004 at Docket No. M-00991220. Secretarial Letters were issued for both Met-Ed and Penelec on February 1, 2013 approving those requests. Therefore, Met-Ed and Penelec hereby submit this supplemental filing which provides changes to the Major Events, Reliability Index Values, Worst Performing Circuits and Outage by Cause sections.

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,

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President, Pennsylvania Operations
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dlm
Enclosures

c: 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)

PUBLIC VERSION

FirstEnergy

Supplemental Joint 2012 4th Quarter Reliability Report

Pennsylvania Power Company, Pennsylvania Electric Company and Metropolitan Edison Company

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

Supplemental Joint 4th Quarter 2012 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

FirstEnergy Company	Customers Affected	Time and Duration of the Event		Cause of the Event	Commission Approval Status
Met-Ed	296,592	Duration	10 days, 8 hours and 20 minutes	Hurricane Sandy	Approved on February 1, 2013
		Start Date/Time	October 29, 2012 12:03pm		
		End Date/Time	November 8, 2012 8:23pm		
Penelec	96,856	Duration	5 days, 2 hours and 47 minutes	Hurricane Sandy	Approved on February 1, 2013
		Start Date/Time	October 29, 2012 12:16pm		
		End Date/Time	November 3, 2012 3:03pm		

[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 2012 (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	1.17	1.26	1.52	1.41	1.15	1.38	1.29
CAIDI	101	121	114	117	141	138	117	140	120
SAIDI	113	162	133	148	213	194	135	194	155
Customers Served[2]	157,482			583,225			548,153		
Number of Sustained Interruptions	3,330			11,521			9,013		
Customers Affected	184,126			822,950			709,874		
Customer Minutes	20,952,827			113,316,787			84,718,376		

[2] 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 the Companies use 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 Action

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

Outages by Cause				
4th Quarter 2012 12-Month Rolling	**Penn Power**			
Cause	**Customer Minutes**	**Number of Sustained Interruptions**	**Customers Affected**	**% Based on Number of Outages**
TREES/NOT PREVENTABLE	7,883,570	759	36866	23%
LIGHTNING	2,996,554	643	17,143	19%
ANIMAL	1,067,067	485	19,826	15%
BIRD	302,385	339	3,688	10%
EQUIPMENT FAILURE	2,750,656	332	30660	10%
LINE FAILURE	2,294,859	286	16,222	9%
OVERLOAD	301,395	86	4,636	3%
VEHICLE	872,390	72	8,644	2%
PREVIOUS LIGHTNING	36,879	66	295	2%
UNKNOWN	246,839	64	2,695	2%
FORCED OUTAGE	610,131	53	7,632	2%
HUMAN ERROR - NON-COMPANY	254,954	35	1,627	1%
HUMAN ERROR - COMPANY	676,759	34	28,928	1%
TREES/PREVENTABLE	77,425	27	893	1%
CUSTOMER EQUIPMENT	428,545	15	2909	0%
OBJECT CONTACT WITH LINE	52,291	10	422	0%
UG DIG-UP	15,390	8	109	0%
FIRE	58,674	5	800	0%
VANDALISM	4,518	4	13	0%
CONTAMINATION	4,930	3	14	0%
WIND	4,478	2	14	0%
CALL ERROR	11,088	1	84	0%
OTHER UTILITY-NON ELEC	1,050	1	6	0%
TOTAL	20,952,827	3,330	184,126	100.00%

Proposed Solutions – Penn Power

Trees Not-Preventable

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 Not-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.

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 conditions which could lead to higher lightning-caused outages. Substations also contain lightning protection through equipment such as line 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.

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, Penn Power installs animal guards on new overhead transformers.

Outages by Cause – Penelec

Outages by Cause				
4th Quarter 2012 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
EQUIPMENT FAILURE	23,140,103	3,036	200,965	26.35%
UNKNOWN	11,223,749	2,044	117,411	17.74%
TREES/NOT PREVENTABLE	41,128,588	1,825	163,997	15.84%
ANIMAL	2,155,071	1,185	31,806	10.29%
LINE FAILURE	15,678,176	868	114,517	7.53%
FORCED OUTAGE	3,105,186	605	33,952	5.25%
LIGHTNING	5,535,695	535	40,698	4.64%
VEHICLE	6,041,986	371	39,463	3.22%
BIRD	800,110	262	5,936	2.27%
HUMAN ERROR - COMPANY	424,924	198	12,252	1.72%
CUSTOMER EQUIPMENT	1,106,736	111	34,711	0.96%
HUMAN ERROR -NON-COMPANY	415,439	92	8,176	0.80%
OVERLOAD	501,682	89	5,979	0.77%
OTHER ELECTRIC UTILITY	244,436	59	1,514	0.51%
PREVIOUS LIGHTNING	84,247	58	344	0.50%
TREES/PREVENTABLE	145,029	57	548	0.49%
UG DIG-UP	94,399	49	483	0.43%
ICE	112,447	18	246	0.16%
VANDALISM	770,802	18	3,583	0.16%
OBJECT CONTACT WITH LINE	194,423	16	1,232	0.14%
FIRE	87,570	10	819	0.09%
OTHER UTILITY-NON ELEC	277,520	6	239	0.05%
SWITCHING ERROR	44,770	4	4,070	0.03%
CONTAMINATION	455	3	7	0.03%
WIND	3,244	2	2	0.02%
Total	113,316,787	11,521	822,950	100%

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 has been replacing porcelain cutouts with polymer cutouts on the main feed three-phase backbone of circuits since 2009.

In addition, inspection and maintenance practices, such as overhead circuit inspections, identify and correct potential equipment-related problems before they cause an outage. Penelec's entire main feed three-phase backbone system has been inspected at least once since 2008 and is currently on a five-year cycle of inspections. 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 Not-Preventable

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

Outages by Cause				
4th Quarter 2012 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
TREES/NOT PREVENTABLE	32,371,510	2,044	177,791	22.68%
EQUIPMENT FAILURE	14,508,654	1,946	152,066	21.59%
UNKNOWN	7,134,496	1,218	91,844	13.51%
ANIMAL	1,338,572	1,094	14,499	12.14%
LIGHTNING	6,261,982	831	41,355	9.22%
LINE FAILURE	6,568,441	580	49,030	6.44%
FORCED OUTAGE	3,284,898	332	66,466	3.68%
VEHICLE	6,889,128	267	48,700	2.96%
BIRD	167,917	181	3,947	2.01%
TREES/PREVENTABLE	1,784,595	141	12,994	1.56%
HUMAN ERROR - NON-COMPANY	770,638	76	4,507	0.84%
PREVIOUS LIGHTNING	129,220	64	701	0.71%
HUMAN ERROR - COMPANY	261,548	56	18,525	0.62%
OVERLOAD	855,133	54	10,090	0.60%
UG DIG-UP	95,492	31	478	0.34%
OBJECT CONTACT WITH LINE	628,515	26	7,063	0.29%
WIND	1,021,924	23	2,200	0.26%
CUSTOMER EQUIPMENT	430,596	18	2,052	0.20%
VANDALISM	5,501	11	45	0.12%
OTHER ELECTRIC UTILITY	107,588	9	4,532	0.10%
FIRE	99,181	8	978	0.09%
OTHER UTILITY-NON ELEC	2,736	2	10	0.02%
CONTAMINATION	111	1	1	0.01%
TOTAL	84,718,376	9,013	709,874	100%

Proposed Solutions – Met-Ed

Trees Not-Preventable

Forestry Services reviews areas where "Trees Not-Preventable" outages occur to see if there has been a high frequency of occurrence. 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 the Danger/Priority Tree program, circuits identified by the Engineering Department that have had "Trees Not-Preventable" caused outages are prioritized based on customer outage minutes. A patrol of the three-phase backbone of each circuit is performed and foresters identify any potentially dangerous tree conditions. If the tree cannot be removed, overhang at the location is removed.

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.

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.

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

T&D Inspection and Maintenance Programs

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 or FERC account code as available. (For first, second and third quarter reports only).

Budgeted vs. Actual T&D Operation & Maintenance Expenditures

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).

Budgeted vs. Actual T&D Capital Expenditures

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 2012					
Department	**Staff**	**1Q**	**2Q**	**3Q**	**4Q**
Line	Leader / Chief	27	26	27	27
	Lineman	63	64	66	66
Substation	Technician	4	4	4	4
	Construction & Maintenance (C&M)	20	21	21	21
	Total	114	115	118	118

Penelec 2012					
Department	**Staff**	**1Q**	**2Q**	**3Q**	**4Q**
Line	Leader / Chief	155	153	147	148
	Lineman	187	181	177	191
Substation	Technician	6	7	7	7
	Construction & Maintenance (C&M)	73	72	71	72
	Total	421	413	402	418

Met-Ed 2012					
Department	**Staff**	**1Q**	**2Q**	**3Q**	**4Q**
Line	Leader / Chief	52	52	52	51
	Lineman	171	171	179	179
Substation	Technician	15	15	15	15
	Construction & Maintenance (C&M)	56	56	59	59
	Total	294	294	305	304

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

Contractor Expenditures

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

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

Call-out Acceptance Rate

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

Call-out Response

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

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

Penn Power													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	Jackson	W730	Zelienople	1,960	18	0	784,950	2,164	4.98	400	1.1	363	0.0
2	Evans City	D611	Zelienople	950	33	1	667,571	2,363	4.24	703	2.49	283	1.0
3	Stoneboro	W-132	Clark	1,072	41	1	583,475	2,532	3.71	544	2.36	230	0.0
4	Stoneboro	W-130	Clark	808	38	0	400,418	1,897	2.54	496	2.35	211	0.2
5	Union	W-562	New Castle	944	16	0	342,063	1,625	2.17	362	1.72	211	2.0
6	Hadley	W-195	Clark	936	43	0	334,292	1,292	2.12	357	1.38	259	0.0
7	Wheatland	W-149	Clark	838	18	1	318,042	1,209	2.02	380	1.44	263	2.0
8	Bessemer	D-393	New Castle	1,084	39	0	305,907	1,311	1.94	282	1.21	233	0.0
9	Hermitage	W-260	Clark	2,428	68	0	287,482	2,927	1.83	118	1.21	98	3.0

(1) Average Customers served by the circuit for the 12-month period.

(2) Number of unique outages experienced by one or more customers on the circuit during the period, due to distribution outage causes.

(3) Number of circuit lockouts during the period

(4) Total customer minutes of outage during the period due to distribution outage causes.

(5) Number of customer outages during the period due to outage causes.

(6) Impact of the outages on this circuit to the Company's system SAIDI.

(7) Distribution circuit SAIDI, SAIFI, CAIDI and MAIFI due to distribution outage causes.

Penelec

Circuit Rank	Substation	Circuit Desc	District	Average Customers -1	Outages -2	Lockouts -3	Customer Minutes -4	Customers Affected -5	SAIDI Impact -6	SAIDI -7	SAIFI -7	CAIDI -7	MAIFI -7
1	Madera	00167-22	Philipsburg	1,632	41	5	1,927,046	7,669	3.30	1,181	4.70	251	14.29
2	Lucerne	00088-13	Indiana	479	11	3	1,838,436	4,016	3.15	3,838	8.38	458	0.00
3	Madera	00166-22	Philipsburg	2,216	55	1	1,662,178	7,500	2.85	750	3.38	222	6.95
4	Bellwood North	00635-22	Philipsburg	1,107	29	3	1,574,193	4,274	2.70	1,422	3.86	368	0.00
5	Salix	00070-11	Johnstown	2,267	46	0	1,443,546	4,616	2.48	637	2.04	313	5.29
6	Hooversville	00019-12	Somerset	1,895	48	0	1,284,192	4,105	2.20	678	2.17	313	2.34
7	Shawville	00151-21	Clearfield	2,320	42	1	1,272,076	6,918	2.18	548	2.98	184	1.39
8	Union City	00206-43	Erie	3,780	120	0	1,230,391	4,698	2.11	326	1.24	262	23.28
9	Philipsburg	00162-22	Philipsburg	3,254	73	0	1,207,938	8,368	2.07	371	2.57	144	21.12
10	East Pike	00095-13	Indiana	3,392	41	2	1,173,917	9,501	2.01	346	2.80	124	22.12
11	Tamblin	00103-23	Punxsutawney	748	36	0	868,118	3,432	1.49	1,161	4.59	253	39.12
12	Blairsville East	00082-13	Indiana	1,340	39	1	839,879	2,941	1.44	627	2.19	286	24.61
13	St. Benedict	00057-72	Ebensburg	920	11	0	806,434	1,602	1.38	877	1.74	503	9.98
14	Edinboro	00421-34	Erie	630	11	2	805,792	1,515	1.38	1,279	2.40	532	2.72
15	DuBois	00124-23	DuBois	2,093	30	0	796,791	11,429	1.37	381	5.46	70	1.25
16	Madera	00165-22	Philipsburg	983	35	2	772,663	2,554	1.32	786	2.60	303	7.31
17	Warren South	00220-41	Warren	2,960	60	0	753,548	4,317	1.29	255	1.46	175	9.64
18	Tower Hill	00580-63	Mansfield	405	18	1	750,934	2,544	1.29	1,854	6.28	295	12.51
19	Rolling Meadows	00310-31	Erie	3,024	15	1	675,757	5,215	1.16	223	1.72	130	1.00
20	Punxsutawney	00829-23	Punxsutawney	582	11	1	665,593	1,628	1.14	1,144	2.80	409	2.98
21	Samuel Rea Car Shop	00031-71	Altoona	1,662	14	1	664,439	2,194	1.14	400	1.32	303	0.35
22	Edgewood	00089-13	Indiana	896	36	3	654,192	3,840	1.12	730	4.29	170	30.08
23	Philipsburg	00164-22	Philipsburg	2,335	43	0	646,942	4,997	1.11	277	2.14	129	2.10
24	Mahaffey	00010-21	Clearfield	137	10	0	620,441	272	1.06	4,529	1.99	2,281	5.21
25	Erie South	00259-31	Erie	2,489	58	0	601,811	5,672	1.03	242	2.28	106	2.19
26	Seward	00075-11	Johnstown	906	35	0	601,077	1,414	1.03	663	1.56	425	11.61

Penelec

Circuit Rank	Substation	Circuit Desc	District	Average Customers -1	Outages -2	Lockouts -3	Customer Minutes -4	Customers Affected -5	SAIDI Impact -6	SAIDI -7	SAIFI -7	CAIDI -7	MAIFI -7
27	Pittsburgh Avenue	00524-31	Erie	1,682	26	1	561,975	2,520	0.96	334	1.50	223	0.17
28	Brookville	00123-23	DuBois	528	20	1	522,407	1,391	0.90	989	2.63	376	18.79
29	Grover	00527-63	Mansfield	1,107	57	0	515,898	1,357	0.88	466	1.23	380	7.87
30	Curryville	00644-71	Altoona	1,775	44	0	498,393	2,466	0.85	281	1.39	202	12.28
31	Clymer	00110-13	Indiana	1,066	30	1	493,482	2,581	0.85	463	2.42	191	11.47
32	Saxton	00625-73	Bedford	1,233	25	1	487,727	3,462	0.84	396	2.81	141	7.93
33	Edinboro	00419-34	Erie	457	10	1	480,307	693	0.82	1,028	1.48	693	3.82
34	Tunkhannock	00533-65	Montrose	1,235	41	0	472,374	1,768	0.81	382	1.43	267	8.41
35	Crown	00319-51	Oil City	1,322	67	1	418,998	3,446	0.72	317	2.61	122	25.99
36	Thompson	00436-65	Montrose	1,353	43	0	411,853	4,115	0.71	304	3.04	100	11.68
37	Portage	00081-72	Ebensburg	546	11	2	400,418	1,310	0.69	733	2.40	306	0.00
38	Brookville	00125-23	DuBois	625	24	0	398,007	3,131	0.68	637	5.01	127	5.40
39	Lenox	00755-65	Montrose	686	33	0	390,172	3,261	0.67	569	4.75	120	7.94
40	Park Plaza	00183-71	Altoona	1,488	37	1	386,658	2,212	0.66	260	1.49	175	2.99
41	Dixonville East	00120-13	Indiana	439	14	3	379,529	1,636	0.65	865	3.73	232	16.43
42	Tionesta	00344-51	Oil City	529	18	1	378,077	1,085	0.65	715	2.05	348	3.50
43	Logan	00700-81	Lewistown	1,024	23	0	376,352	2,318	0.65	368	2.26	162	8.85
44	Wyalusing	00532-62	Towanda	702	22	0	375,952	1,899	0.64	536	2.71	198	17.81
45	Tiffany	00435-65	Montrose	787	25	1	368,160	2,149	0.63	468	2.73	171	15.16
46	Tionesta Junction Sw Sta	00498-51	Oil City	926	36	1	364,347	6,744	0.62	393	7.28	54	10.09
47	Mansfield	00699-63	Mansfield	752	30	2	359,222	1,771	0.62	478	2.36	203	0.30
48	Knox	00323-51	Oil City	1,322	42	0	357,790	2,206	0.61	271	1.67	162	5.36
49	Erie East	00234-31	Erie	1,002	56	2	357,330	2,665	0.61	357	2.66	134	7.97
50	Cambridge Springs	00461-52	Meadville	524	14	1	357,286	832	0.61	682	1.59	429	0.70
51	*Hollidaysburg*	*00202-71*	*Altoona*	887	11	3	349,927	2,697	0.60	395	3.04	130	1.25
52	Tower Hill	00581-63	Mansfield	516	26	0	341,954	879	0.59	663	1.70	389	10.01

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Circuit Rank	Substation	Circuit Desc	District	Average Customers -1	Outages -2	Lockouts -3	Customer Minutes -4	Customers Affected -5	SAIDI Impact -6	SAIDI -7	SAIFI -7	CAIDI -7	MAIFI -7
53	South Mansfield	00619-63	Mansfield	518	20	5	338,037	3,065	0.58	653	5.92	110	15.44
54	Corry East	00440-43	Erie	596	24	2	335,246	2,586	0.57	562	4.34	130	7.35
55	DuBois Central	00119-23	DuBois	1,049	27	0	328,097	2,349	0.56	313	2.24	140	1.59
56	Union City	00207-43	Erie	848	36	3	328,027	2,874	0.56	387	3.39	114	37.42
57	Glen Campbell	00680-21	Clearfield	464	20	0	327,374	1,721	0.56	706	3.71	190	12.80
58	East Pike	00096-13	Indiana	2,616	26	0	319,303	4,581	0.55	122	1.75	70	1.94
59	Viscose Hill	00116-81	Lewistown	628	8	1	314,540	799	0.54	501	1.27	394	3.68

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Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Circuit Minutes (4)	Customer Affected (5)	SAIDI Impact (5)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	Snydersville	00621-3	Stroudsburg	1,755	5,478	45	2	1,441,753	821.51	2.63	3.12	263.19	0
2	Leesport	00811-1	Reading	1,481	7,046	43	3	1,233,291	832.74	2.25	4.76	175.03	0
3	Bernville	00786-1	Reading	1,823	3,606	75	0	1,126,264	617.81	2.05	1.98	312.33	0
4	Barto	00705-1	Boyertown	2,080	5,440	99	1	1,110,456	533.87	2.03	2.62	204.13	3.99
5	Mountain	00744-4	Hanover	1,809	5,427	94	0	1,007,840	557.13	1.84	3	185.71	3.76
6	Shawnee	00895-3	Stroudsburg	3,753	8,397	84	0	972,095	259.02	1.77	2.24	115.77	5.57
7	Shawnee	00899-3	Stroudsburg	1,638	6,225	48	1	939,237	573.4	1.71	3.8	150.88	1.09
8	Bath	00873-3	Easton	2,136	4,216	60	0	842,405	394.38	1.54	1.97	199.81	3.99
9	Flying Hills	00776-1	Reading	1,488	2,324	40	0	809,292	543.88	1.48	1.56	348.23	6.75
10	Bern Church	00789-1	Reading	1,428	4,997	61	2	759,773	532.05	1.39	3.5	152.05	1.92
11	Birdsboro	00756-1	Reading	1,522	6,957	87	0	751,605	493.83	1.37	4.57	108.04	1.9
12	Birdsboro	00757-1	Reading	1,920	6,554	64	3	737,024	383.87	1.34	3.41	112.45	1.94
13	South Lebanon	00772-2	Lebanon	1,566	6,939	28	4	708,270	452.28	1.29	4.43	102.07	3.27
14	Mohnton	00123-1	Reading	638	884	13	0	703,230	1,102.24	1.28	1.39	795.51	1
15	Shawnee	00822-3	Stroudsburg	3,479	4,609	76	1	682,758	196.25	1.25	1.32	148.14	1.75
16	Baldy	00736-1	Reading	859	2,615	31	0	678,353	789.7	1.24	3.04	259.41	7.6
17	Gardners	00752-4	Hanover	1,415	3,925	61	0	642,507	454.07	1.17	2.77	163.7	4
18	Campbelltown	00634-2	Lebanon	1,028	7,833	25	7	637,655	620.29	1.16	7.62	81.41	12.03
19	Frystown	00701-2	Lebanon	1,615	5,530	58	1	634,782	393.05	1.16	3.42	114.79	3.73
20	North Lebanon	00712-2	Lebanon	1,909	3,149	42	1	625,876	327.86	1.14	1.65	198.75	7.97
21	Yorkana	00708-4	York	1,465	5,734	30	1	561,304	383.14	1.02	3.91	97.89	5.17
22	Bern Church	00791-1	Reading	695	1,228	24	1	558,562	803.69	1.02	1.77	454.86	0.96
23	West Boyertown	00717-1	Boyertown	1,294	4,573	13	3	552,629	427.07	1.01	3.53	120.85	1
24	Angelica	00129-1	Reading	696	1,553	20	1	526,218	756.06	0.96	2.23	338.84	0
25	N. Bangor	00826-3	Easton	2,613	5,295	67	0	519,272	198.73	0.95	2.03	98.07	1.39
26	South Hamburg	00743-1	Reading	1,158	3,418	53	2	514,097	443.95	0.94	2.95	150.41	2.38
27	Barto	00706-1	Boyertown	2,662	3,973	79	1	506,576	190.3	0.92	1.49	127.5	4.99
28	Collins	00761-2	Lebanon	637	1,252	16	1	505,627	793.76	0.92	1.97	403.86	4.79
29	Swatara Hill	00764-2	Lebanon	1,474	3,506	27	2	500,786	339.75	0.91	2.38	142.84	0
30	Carsonia	00171-1	Reading	1,230	3,492	8	3	496,080	403.32	0.91	2.84	142.06	0

Met-Ed

Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Circuit Minutes (4)	Customer Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
31	Cly	00722-4	York	1,480	5,854	22	3	479,872	324.24	0.88	3.96	81.97	5.26
32	Grantville	00720-2	Lebanon	1,371	3,441	26	2	476,637	347.8	0.87	2.51	138.56	13.94
33	Birchwood	00624-3	Stroudsburg	2,009	2,692	25	1	441,090	219.56	0.8	1.34	163.85	0
34	Taxville	00572-4	York	3,133	6,591	19	1	434,381	138.65	0.79	2.1	65.91	9.17
35	Dillsburg	00746-4	Hanover	2,430	3,926	34	1	431,896	177.73	0.79	1.62	110.01	0
36	Allen	00503-4	Hanover	2,069	3,785	40	0	427,419	206.58	0.78	1.83	112.92	2.98
37	Belfast	00812-3	Easton	1,174	4,491	28	1	425,183	362.17	0.78	3.83	94.67	0
38	Frystown	00702-2	Lebanon	1,045	3,336	23	3	411,153	393.45	0.75	3.19	123.25	4.98

ATTACHMENT B

Worst Performing Circuits – Remedial Action

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	Jackson	W730	*Performance was driven by three outages, one caused by a non-preventable tree, one caused by lightning, and one caused by line failure with two occurring during weather conditions.*			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Jul-12	
			Cable was reattached at time of restoration	Complete	Oct-12	
2	Evans City	D611	*Performance was driven by four outages, one caused by lightning, two caused by equipment failure, and one caused by a non-preventable tree with three occurring during weather conditions.*			
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Jul-12	
			The equipment failure was repaired at the time of restoration	Complete	Jul-12	
			The equipment failure was repaired at the time of restoration	Complete	Jul-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Oct-12	
3	Stoneboro	W-132	*Performance driven by three outages two caused by non-preventable trees and one caused by lightning with two occurring during weather conditions.*			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Mar-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	May-12	
			Reliability job to install fuses and replace arrestors	Complete	May-12	
			Protection review completed on circuit	Complete	May-12	
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Jul-12	
			Reliability job to install fuses and replace arrestors	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	
4	Stoneboro	W-130	*Performance was driven by two outages both caused by non-preventable trees.*			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	
5	Union	W-562	*Performance was driven by one outage caused by lightning during weather conditions.*			
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	

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
6	Hadley	W-195	*Performance was driven by one outage caused by a non-preventable tree during weather conditions.*			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Reliability job to make two coordination changes	Complete	Aug-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	
			Reliability job to install fault indicators, fuses and replace switches	Complete	Oct-12	
			Forestry to trim circuit	To be completed 2013		
7	Wheatland	W-149	*Performance was driven by one outage caused by a non-preventable tree.*			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	May-12	
8	Bessemer	D-393	*Performance was driven by one outage caused by a non-preventable tree.*			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
9	Hermitage	W-260	*Performance was driven by one outage caused by lightning during weather conditions.*			
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Aug-12	
	Zelienople	D603	*Performance driven by one outage caused by a non-preventable tree.*			
			Problem tree was removed and associated repairs were made at time of restoration	Complete	Apr-11	
			Forestry to trim circuit	Complete	Dec-12	
	Canal	W-102	*Performance driven by one outage caused by a non-preventable tree during weather conditions.*			
			Problem tree was removed and associated repairs were made at time of restoration	Complete	May-11	
			Forestry to trim circuit	Complete	Dec-12	
	Camp Reynolds	W-134	*Performance driven by two outages one caused by a line failure and one caused by a human error non-company.*			
			Cable was reattached at time of restoration	Complete	Dec-11	
			Equipment that was broken due to farmer plowing field was repaired at time of restoration	Complete	May-12	
			Protection review including replacement of three reclosers	Complete	Mar-12	
			Reliability job to replace one cutout and make one coordination change	Complete	Apr-12	
			Nine Fault Indicators to be installed	Complete	Aug-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	
			Forestry to trim circuit	To be completed 2013		
	Mars	D616	*Performance was driven by two outages both caused by non-preventable trees during weather conditions.*			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Oct-12	
			Forestry to trim circuit	To be completed 2013		

Penelec						
Rank	**Substation**	**Circuit**	**Remedial Action Planned or Taken**	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	**Appeared in 4 of 6 Quarters**
1	Madera	00167-22	*Performance was driven by trees non-preventable and equipment failure during a minor storm.*			
			Repair equipment damage	Complete	Apr-12	
			Repair equipment damage	Complete	May-12	
			Repair damage caused by a tree during a storm	Complete	May-12	
			Add additional protection per circuit coordination	To be completed 2013		
2	Lucerne	00088-13	*Performance was driven by trees non-preventable during storm.*			
			Repair damage caused by a tree during a storm	Complete	May-12	
3	Madera	00166-22	*Performance was driven by line failure during a storm, trees non-preventable and vehicle contact.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair line failure	Complete	May-12	
			Repair damage from vehicle	Complete	Aug-12	
			Repair damage caused by a tree	Complete	Sep-12	
4	Bellwood North	00635-22	*Performance was driven by line failure during a storm.*			
			Repair line failure	Complete	May-12	
			Repair line failure	Complete	May-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Full cycle tree clearing	To be completed 2013		
5	Saltx	00070-11	*Performance was driven by trees non-preventable and line failure during a minor storm.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by a tree during a storm	Complete	May-12	
			Repair line failure	Complete	Dec-12	
6	Hooversville	00019-12	*Performance was driven by trees non-preventable during a minor storm.*			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Add additional protection per circuit coordination	To be completed 2013		
7	Shawville	00151-21	*Performance was driven by trees non-preventable during a storm.*			
			Repair damage caused by a tree during a storm	Complete	May-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Circuit inspection	To be completed 2013		

Penelec						
Rank	**Substation**	**Circuit**	**Remedial Action Planned or Taken**	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	**Appeared in 4 of 6 Quarters**
8	Union City	00206-43	*Performance was driven by trees non-preventable during a minor storm, lightning and line failure.*			3Q 2011 4Q 2011 3Q 2012 4Q 2012
			Repair line failure	Complete	May-12	
			Repair damage caused by lightning	Complete	May-12	
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Add additional protection per circuit coordination	Complete	Dec-12	
			Full cycle tree clearing	Complete	Dec-12	
9	Philipsburg	00162-22	*Performance was driven by lightning during a minor storm and equipment failure.*			4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by lightning	Complete	May-12	
			Repair equipment failure	Complete	Sep-12	
			Full cycle tree clearing	Complete	Dec-12	
10	East Pike	00095-13	*Performance was driven by trees non-preventable during a minor storm and equipment failure.*			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Repair equipment damage	Complete	Sep-12	
11	Timblin	00103-23	*Performance was driven by a car pole accident and trees non-preventable during a minor storm.*			1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage from vehicle	Complete	Jan-12	
			Repair damage caused by a tree	Complete	May-12	
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Circuit inspection	To be completed 2013		
12	Blairsville East	00082-13	*Performance was driven by equipment failure and lightning during a minor storm.*			3Q 2011 4Q 2011 2Q 2012 3Q 2012 4Q 2012
			Repair equipment failure	Complete	Apr-12	
			Repair damage caused by lightning	Complete	May-12	
13	St. Benedict	00057-72	*Performance was driven by trees non-preventable and line failure during a storm.*			
			Repair line failure	Complete	Apr-12	
			Repair damage caused by a tree during a storm	Complete	May-12	
14	Edinboro	00421-34	*Performance was driven by trees non-preventable during a minor storm.*			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Add additional protection per circuit coordination	To be completed 2013		

Penelec						
Rank	**Substation**	**Circuit**	**Remedial Action Planned or Taken**	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	**Appeared in 4 of 6 Quarters**
15	DuBois	00124-23	*Performance was driven by lightning, trees non-preventable and equipment failure.*			
			Repair damage caused by lightning	Complete	Jul-12	
			Repair damage caused by a tree	Complete	Nov-12	
			Repair equipment failure	Complete	Dec-12	
16	Madera	00165-22	*Performance was driven by trees non-preventable during a storm.*			
			Repair damage caused by a tree during a storm	Complete	Apr-12	
			Repair damage caused by a tree during a storm	Complete	May-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Circuit inspection	To be completed 2013		
17	Warren South	00220-41	*Performance was driven by non-preventable tree damage during a minor storm and a car pole accident.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by a tree during a storm	Complete	Feb-12	
			Repair damage from car pole accident	Complete	May-12	
18	Tower Hill	00580-63	*Performance was driven by equipment failure.*			
			Repair equipment damage	Complete	Feb-12	
			Repair equipment damage	Complete	Jul-12	
			Upgrade step transformer bank	Complete	Dec-12	
19	Rolling Meadows	00310-31	*Performance was driven by line failure during a minor storm.*			
			Add additional protection per circuit coordination	Complete	May-12	
			Repair line failure	Complete	Dec-12	
20	Punxsutawney	00829-23	*Performance was driven by trees non-preventable during a storm.*			
			Repair damage caused by a tree during a storm	Complete	May-12	
			Full cycle tree clearing	To be completed 2013		
			Circuit inspection	To be completed 2013		
21	Samuel Rea Car Shop	00031-71	*Performance was driven by trees non-preventable during a storm.*			
			Repair damage caused by a tree during a storm	Complete	Jul-12	

Penelec						
Rank	**Substation**	**Circuit**	**Remedial Action Planned or Taken**	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	**Appeared in 4 of 6 Quarters**
22	Edgewood	00089-13	*Performance was driven by equipment failure and an unknown cause during a minor storm as well as trees non-preventable.*			1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair equipment failure	Complete	Jan-12	
			Repair damage caused by a tree	Complete	May-12	
			Repair equipment failure during a storm	Complete	May-12	
			Add additional protection per circuit coordination	Complete	Jun-12	
			Full cycle tree clearing	To be completed 2013		
23	Philipsburg	00164-22	*Performance was driven by equipment failure and an unknown cause during a minor storm.*			
			Repair equipment failure	Complete	Dec-12	
			Add additional protection per circuit coordination	To be completed 2013		
24	Mahaffey	00010-21	*Performance was driven by trees non-preventable during a minor storm.*			
			Repair damage caused by a tree during a storm	Complete	May-12	
25	Erie South	00259-31	*Performance was driven by equipment failure, line failure and trees non-preventable.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by a tree during a storm	Complete	Feb-12	
			Repair equipment damage	Complete	Jun-12	
			Repair line failure	Complete	Sep-12	
			Add additional protection per circuit coordination	Complete	Jan-13	
26	Seward	00075-11	*Performance was driven by trees non-preventable and an unknown cause during a minor storm.*			
			Repair damage caused by a tree during a storm	Complete	Jun-12	
			Add additional protection per circuit coordination	To be completed 2013		
27	Pittsburgh Avenue	00524-31	*Performance was driven by lightning damage during a storm.*			
			Repair damage caused by lightning	Complete	Jul-12	
			Circuit inspection	To be completed 2013		
28	Brockville	00123-23	*Performance was driven by equipment failure.*			1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair equipment damage	Complete	Jan-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Circuit inspection	To be completed 2013		
29	Grover	00527-63	*Performance was driven by non-preventable trees during a minor storm.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by a tree during a storm	Complete	Apr-12	
			Add additional protection per circuit coordination	Complete	Sep-12	

Penelec						
Rank	**Substation**	**Circuit**	**Remedial Action Planned or Taken**	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	**Appeared in 4 of 6 Quarters**
30	Curryville	00644-71	*Performance was driven by lightning and line failure during a minor storm.*			
			Repair line failure	Complete	Jul-12	
			Repair damage caused by lightning	Complete	Jun-12	
31	Clymer	00110-13	*Performance was driven by trees non-preventable and equipment failure during a minor storm.*			
			Repair damage caused by a tree and equipment failure during storm	Complete	Apr-12	
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Full cycle tree clearing	To be completed 2013		
32	Saxton	00625-73	*Performance was driven by line failure and an unknown cause during a minor storm.*			
			Repair line failure	Complete	Sep-12	
33	Edinboro	00419-34	*Performance was driven by trees non-preventable during a minor storm.*			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Circuit inspection	To be completed 2013		
34	Tunkhannock	00533-65	*Performance was driven by trees non-preventable.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by a tree	Complete	Aug-11	
			Repair damage caused by a tree	Complete	Nov-12	
			Full cycle tree clearing	To be completed 2013		
35	Crown	00319-51	*Performance was driven by line failure, equipment failure and non-preventable trees during a storm.*			
			Repair line failure	Complete	Feb-12	
			Repair equipment failure	Complete	Aug-12	
			Repair damage caused by a tree	Complete	May-12	
36	Thompson	00436-65	*Performance was driven by trees non-preventable during a storm, animal contact and equipment failure.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair equipment failure	Complete	May-12	
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Repair animal contact damage	Complete	Jul-12	
			Full cycle tree clearing	Complete	Sep-11	
			Add additional protection per circuit coordination	Complete	Dec-12	

Penelec						
Rank	**Substation**	**Circuit**	**Remedial Action Planned or Taken**	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	**Appeared in 4 of 6 Quarters**
37	Portage	00081-72	*Performance was driven by non-preventable trees and an unknown cause during a minor storm.*			
			Repair damage caused by a tree during a storm	Complete	Apr-12	
			Install additional arresters and fault indicators	Complete	Oct-12	
38	Brookville	00125-23	*Performance was driven by trees non-preventable and equipment failure.*			
			Repair equipment failure	Complete	Jul-12	
			Repair damage caused by a tree	Complete	Aug-12	
			Circuit inspection	To be completed 2013		
39	Lenox	00755-65	*Performance was driven by trees non-preventable and equipment failure.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by a tree	Complete	Jun-12	
			Repair equipment damage	Complete	Jan-12	
40	Park Plaza	00183-71	*Performance was driven by trees non-preventable during a storm.*			
			Repair damage caused by a tree	Complete	Jul-12	
41	Dixonville East	00120-13	*Performance was driven by trees non-preventable and equipment failure during a storm.*			
			Repair equipment failure	Complete	Mar-12	
			Repair damage caused by a tree	Complete	Aug-12	
			Circuit inspection	To be completed 2013		
42	Tionesta	00344-51	*Performance was driven by trees non-preventable during a storm.*			
			Repair damage caused by a tree during a storm	Complete	Jun-12	
			Circuit inspection	To be completed 2013		
43	Logan	00700-81	*Performance was driven by trees non-preventable during a storm.*			3Q 2011 4Q 2011 1Q 2012 4Q 2012
			Add additional protection per circuit coordination	*Complete*	May-12	
			Repair damage caused by a tree during a storm	Complete	Jun-12	
			Repair damage caused by a tree during a storm	Complete	Jul-12	
44	Wyalusing	00532-62	*Performance was driven by a car pole accident and equipment failure.*			
			Repair car pole accident damage	Complete	Mar-12	
			Repair equipment failure	Complete	Aug-12	

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	Tiffany	00435-65	*Performance was driven by line failure and trees non-preventable during a storm.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair damage caused by a tree during a storm	Complete	Jun-12	
			Repair line failure	Complete	Jun-12	
			Add additional protection per circuit coordination	Revised completion date: To be completed 2013		
			Full cycle tree clearing	To be completed 2013		
46	Tionesta Junction Sw Sta	00498-51	*Performance was driven by equipment failure and trees non-preventable during a storm.*			
			Repair damage caused by a tree during a storm	Complete	Jun-12	
			Repair equipment damage	Complete	Dec-12	
47	Mansfield	00699-63	*Performance was driven by an unknown cause.*			
			Line patrolled due to unknown caused outage	Complete	Apr-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Circuit inspection	To be completed 2013		
48	Knox	00323-51	*Performance was driven by equipment and line failure.*			
			Repair line failure	Complete	Aug-12	
			Repair equipment damage	Complete	Sep-12	
			Circuit inspection	To be completed 2013		
49	Erie East	00234-31	*Performance was driven by equipment failure and vehicle damage.*			1Q 2012 2Q 2012 3Q 2012 4Q 2012
			Repair equipment damage	Complete	Jan-12	
			Repair damage from vehicle	Complete	Sep-12	
			Add additional protection per circuit coordination	Complete	Oct-12	
			Full cycle tree clearing	To be completed 2013		
50	Cambridge Springs	00461-52	*Performance was driven by trees non-preventable during a storm.*			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Circuit inspection	To be completed 2013		
51	Hollidaysburg	00202-71	*Performance was driven by trees non-preventable and an unknown cause during a minor storm.*			
			Repair damage caused by a tree during a storm	Complete	Dec-12	
			Full cycle tree clearing	To be completed 2013		
52	Tower Hill	00581-63	*Performance was driven by lightning damage, animal contact and line failure.*			
			Repair damage from animal contact	Complete	Apr-12	
			Repair damage cause by lightning	Complete	May-12	

Penelec						
Rank	**Substation**	**Circuit**	**Remedial Action Planned or Taken**	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	**Appeared in 4 of 6 Quarters**
53	South Mansfield	00619-63	*Performance was driven by line and equipment failure.*			
			Repair line failure	Complete	Feb-12	
			Repair equipment damage	Complete	Sep-12	
54	Corry East	00440-43	*Performance was driven by trees non-preventable and line failure.*			
			Repair line failure	Complete	Jun-12	
			Repair damage caused by a tree	Complete	Aug-12	
			Full cycle tree clearing	To be completed 2013		
			Circuit inspection	To be completed 2013		
55	DuBois Central	00119-23	*Performance was driven by line failure and a car pole accident.*			
			Repair car pole accident damage	Complete	Mar-12	
			Repair line failure	Complete	Jul-12	
56	Union City	00207-43	*Performance was driven by line failure and equipment failure.*			
			Repair line failure	Complete	Mar-12	
			Repair line failure	Complete	Jun-12	
57	Glen Campbell	00680-21	*Performance was driven by trees non-preventable during a minor storm.*			
			Repair damage caused by a tree	Complete	May-12	
58	East Pike	00096-13	*Performance was driven by trees non-preventable during a minor storm, equipment failure and line failure.*			3Q 2011 4Q 2011 1Q 2012 4Q 2012
			Repair damage caused by a tree	Complete	Jul-12	
			Repair line failure	Complete	Jul-12	
			Repair equipment failure	Complete	Jul-12	
59	Viscose Hill	00116-81	*Performance was driven by trees non-preventable during storm.*			
			Repair damage caused by a tree during a storm	Complete	May-12	
			Add additional protection per circuit coordination	To be completed 2013		
	Tiffany	00440-65	*Performance was driven by trees non-preventable and an unknown cause during a storm.*			
			Add additional protection per circuit coordination	Revised completion date: To be completed 2013		
			Full cycle tree clearing	Complete	Dec-12	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Laurel Lake	00449-65	*Performance was driven by trees non-preventable during minor storm, equipment failure and line failure.*			
			Repair equipment damage	Complete	Jan-12	
			Add additional protection per circuit coordination	Revised completion date: To be completed 2013		
	Brooklyn	00749-65	*Performance was driven by trees non-preventable during a storm.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012
			Repair damage caused by a tree during a storm	Complete	Sep-11	
			Add additional protection per circuit coordination	Revised completion date: To be completed 2013		
			Circuit inspection	Complete	Apr-12	
	Montrose	00457-65	*Performance was driven by trees non-preventable and an unknown cause during a storm.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012
			Repair damage caused by a tree during a storm	Complete	Aug-11	
			Add additional protection per circuit coordination	Revised completion date: To be completed 2013		
	Lake Como	00787-65	*Performance was driven by trees non-preventable during a storm.*			
			Add additional protection per circuit coordination	Complete	Dec-12	
	Starruca	00744-65	*Performance was driven by trees non-preventable during a storm.*			
			Add additional protection per circuit coordination	Complete	Oct-12	
	Lake Como	00786-65	*Performance was driven by trees non-preventable during a storm.*			
			Add additional protection per circuit coordination	Complete	Oct-12	
	Thompson	00442-65	*Performance was driven by trees non-preventable during a storm.*			
			Add additional protection per circuit coordination	Complete	Oct-12	
	Susquehanna	00279-65	*Performance was driven by trees non-preventable during a storm.*			
			Circuit inspection	Complete	Aug-12	
	Oakland	00132-65	*Performance was driven by trees non-preventable during a storm.*			
			Add additional protection per circuit coordination	Complete	Dec-12	
	Lake Como	00788-65	*Performance was driven by trees non-preventable during a storm.*			
			Add additional protection per circuit coordination	Complete	Oct-12	
	Brooklyn	00748-65	*Performance was driven by trees non-preventable during a storm.*			
			Full cycle tree clearing	Complete	Jan-12	

Penelec						
Rank	*Substation*	*Circuit*	*Remedial Action Planned or Taken*	**Status of Remedial Work Completed**	**Date Remedial Work Completed**	*Appeared in 4 of 5* **Quarters**
	Mansfield	00559-63	*Performance was driven by line failure and trees non-preventable during a minor storm, equipment failure and a car pole accident.*			
			Add additional protection per circuit coordination	Complete	Aug-12	
			Full cycle tree clearing	Complete	Mar-12	
	Scalp Level	00932-11	*Performance was driven by equipment failure during a minor storm.*			
			Full cycle tree clearing	Complete	Jun-12	
	Russell Hill	00282-65	*Performance was driven by trees non-preventable during a storm.*			
			Full cycle tree clearing	Complete	Apr-12	
	McVeytown	00112-81	*Performance was driven by equipment and line failure during a minor storm.*			
			Add additional protection per circuit coordination	Complete	May-12	
			Circuit inspection	Complete	Aug-12	
	Mildred	00771-62	*Performance was driven by trees non-preventable during a storm.*			
			Add additional protection per circuit coordination	Complete	Dec-12	
	Mansfield	00558-63	*Performance was driven by equipment failure and line failure.*			
			Add additional protection per circuit coordination	Complete	Aug-12	
			Circuit inspection	Complete	Aug-12	
			Full cycle tree clearing	Complete	Sep-12	
	Punxsutawney	00625-23	*Performance was driven by trees non-preventable and line failure during a minor storm.*			
			Circuit inspection	Complete	Jun-12	
	East Towanda	00525-62	*Performance was driven by lightning, equipment failure and trees non-preventable during a minor storm.*			
			Add additional protection per circuit coordination	Complete	Feb-12	
	Union City	00206-43	*Performance was driven by trees non-preventable, equipment failure and lightning damage during minor storms.*			
			Add additional protection per circuit coordination	Complete	Dec-12	
			Full cycle tree clearing	Complete	Dec-12	

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	Snydersville	00621-3	*Performance was driven by single storm on 5/26/12 which contributed to 37% of circuit minutes and an insulator failure on 4/3/12 which contributed 30% of circuit minutes and a vehicle accident on 11/22/12 which contributed 22% of minutes.*			
			Replace switch	Complete	Jun-12	
			Replace recloser	Complete	Aug-12	
			Perform accelerated backbone and three phase assessment	Complete	Aug-12	
			Replace crossarm found during circuit assessment	Complete	Oct-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
2	Leesport	00811-1	*Performance was driven by four outages during two severe weather events caused by wind and trees (51%), three outages caused by vehicle accidents (22%) and an outage caused by a crossarm problem (9%).*			
			Perform accelerated three phase assessment	Complete	Jan-12	
			Perform accelerated backbone assessment	Complete	Jan-12	
			Comprehensive tree trimming	Complete	Jan-12	
			Replace mainline crossarm from assessment	Complete	Feb-12	
			Replace mainline crossarm from assessment	Complete	Apr-12	
			Replace mainline crossarm from assessment	Complete	May-12	
			Spot forestry inspection	Complete	Nov-12	
			Engineering review for the installation of an additional mainline recloser	Complete	Dec-12	
			Pole top repair from assessment	To be completed 2013		
			Replace mainline crossarm from assessment	To be completed 2013		
			Replace mainline crossarm brace from assessment	To be completed 2013		
			Install fuse/bypass on mainline	To be completed 2013		
			Comprehensive circuit patrol	To be completed 2013		
			Install mainline recloser	To be completed 2013		
3	Bernville	00786-1	*Performance was driven by two outages related to a vehicle accident (67%) and an outage caused by lightning (18%).*			
			Perform accelerated backbone assessment	Complete	Jan-12	
			Replace mainline porcelain cutouts with polymer cutouts	Complete	Mar-12	
			Complete forestry assessment of three phase for SAIFI analysis	Complete	Mar-12	
			Replace mainline crossarm from backbone assessment	Complete	Apr-12	3Q2011
			Replace mainline porcelain cutouts with polymer cutouts	Complete	Apr-12	4Q2011
			Comprehensive circuit patrol	Complete	Apr-12	1Q2012
			Install mainline recloser	Complete	May-12	4Q2012
			Spot forestry inspection	Complete	Nov-12	
			Install additional mainline tap fusing	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		

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	Barto	00705-1	*Performance was driven by tree-caused outages (61%) and a transmission substation equipment problem (21%).*			
			Perform accelerated backbone assessment	Complete	Jan-12	
			Perform accelerated three phase assessment	Complete	Jan-12	
			Mainline forestry inspection	Complete	Mar-12	
			Install additional mainline tap fusing	Complete	Apr-12	
			Engineering mainline protection coordination analysis	Complete	Apr-12	
			Comprehensive tree trimming	Complete	May-12	
			Transmission substation equipment repair	Complete	Jul-12	
			Mainline forestry inspection	Complete	Aug-12	
			Spot forestry inspection	Complete	Sep-12	
			Spot forestry inspection	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
5	Mountain	00744-4	*Performance was driven by trees at 81% of circuit minutes.*			3Q2011 4Q2011 1Q2012 3Q2012 4Q2012
			Perform accelerated circuit reliability assessment of mainline	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Mar-12	
			Perform fuse changes at ten locations to improve circuit coordination	Complete	Jun-12	
			Perform accelerated post storm forestry vegetation assessment	Complete	Jul-12	
			Perform tree work identified during accelerated post storm forestry assessment	Complete	Jul-12	
			Perform follow up forestry vegetation assessment	Complete	Sep-12	
			Perform tree work identified during follow up forestry assessment	Complete	Sep-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
6	Shawnee	00895-3	*Performance was driven by a single storm on 7/23/12 which contributed 36% of circuit minutes and a cutout failure on 3/25/12 which contributed 13% of circuit minutes.*			3Q2011 4Q2011 1Q2012 2Q2012 3Q2012 4Q2012
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Repair split pole top found on circuit assessment	Complete	Oct-12	
			Correct fuse coordination	Complete	Oct-12	
			Comprehensive tree trimming	Complete	Oct-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Replace porcelain cutouts on circuit backbone with polymer cutouts	To be completed 2013		
7	Shawnee	00899-3	*Performance was driven by non-preventable trees which contributed 47% of circuit minutes, lightning which contributed 19% of circuit minutes and equipment failure on 9/22/12 which contributed 15% of circuit minutes.*			
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated single phase assessment	Complete	Feb-12	
			Comprehensive tree trimming	Complete	Dec-12	
			Install tap fuse on backbone	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Engineering to evaluate additional radio controlled switch on circuit	To be completed 2013		

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
8	Bath	00873-3	*Performance was driven by a vehicle accident on 9/5/12 which contributed 57% of circuit minutes and non-preventable trees which contributed 18% of minutes.*			
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace porcelain cutouts on circuit backbone with polymer cutouts	To be completed 2013		
9	Flying Hills	00776-1	*Performance was driven by two trees non-preventable outages during a severe storm event (39%), an outage caused by a non-company tree crew (15%) and other trees non-preventable outages (28%).*			
			Comprehensive tree trimming	Complete	May-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Spot forestry patrol	Complete	Jul-12	
			Engineering review for the installation of an additional mainline recloser	Complete	Jul-12	
			Spot tree removals	Complete	Sep-12	
			Engineering review for the creation of an additional circuit tie	Complete	Dec-12	
			Engineering circuit inspection	Complete	Dec-12	
			Spot forestry patrol	Complete	Dec-12	
			Spot tree trimming and removals (Freemansville Road)	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Install additional set of mainline disconnects	To be completed 2013		
10	Bern Church	00789-1	*Performance was driven by trees non-reventable outages (52%), outages caused by wind and lightning (26%) and underground cable problems (10%).*			
			Replace underground cable in Davis Bridge Road underground residential distribution	Complete	Jan-12	
			Replace additional underground cable in Plum Creek Estates underground residential distribution	Complete	Jun-12	
			Spot forestry inspections	Complete	Aug-12	
			Fuse upgrades for tap coordination improvement	Complete	Aug-12	
			Relocate mainline tap from off road location to along public roadway	Complete	Sep-12	
			Replace additional underground cable in Plum Creek Estates underground residential distribution	Complete	Oct-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		

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
11	Birdsboro	00756-1	*Performance was driven by trees non-preventable outages (61%) and an outage caused by a fuse holder problem (13%).*			3Q2011 4Q2011 1Q2012 2Q2012 3Q2012 4Q2012
			Proactive every other month mainline forestry inspection	Complete	Jan-12	
			Spot mainline tree trimming and removals	Complete	Jan-12	
			Replace crossarm from circuit assessment	Complete	Jan-12	
			Proactive every other month mainline forestry inspection	Complete	Mar-12	
			Spot mainline tree trimming and removals	Complete	Apr-12	
			Proactive every other month mainline forestry inspection	Complete	May-12	
			Spot mainline tree trimming and removals	Complete	Jun-12	
			Replace bypass disconnects mainline recloser	Complete	Jun-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Engineering review for the installation of an additional mainline recloser	Complete	Jul-12	
			Proactive every other month mainline forestry inspection	Complete	Sep-12	
			Spot mainline tree trimming and removals	Complete	Oct-12	
			Proactive every other month mainline forestry inspection	Complete	Nov-12	
			Replace mainline crossarm from assessment	Complete	Dec-12	
			Spot tree trimming and removals	Complete	Dec-12	
			Proactive every other month mainline forestry inspection	To be completed 2013		
			Upgrade mainline recloser and customer redistribution project	To be completed 2013		
			Comprehensive circuit patrol	To be completed 2013		
			Upgrade mainline disconnects to gang operated air break switch	To be completed 2013		

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
12	Birdsboro	00757-1	*Performance was driven by trees non-preventable outages (37%) and an outage caused by a broken crossarm (25%).*			3Q2011 4Q2011 1Q2012 2Q2012 3Q2012 4Q2012
			Proactive every other month mainline forestry inspection	Complete	Jan-12	
			Spot mainline tree trimming and removals	Complete	Jan-12	
			Perform engineering SAIFI improvement study	Complete	Feb-12	
			Replace primary underground cable and submersibles in Maple Springs underground residential distribution	Complete	Mar-12	
			Proactive every other month mainline forestry inspection	Complete	Mar-12	
			Spot mainline tree trimming and removals	Complete	Apr-12	
			Proactive every other month mainline forestry inspection	Complete	May-12	
			Replace mainline crossarm from assessment	Complete	May-12	
			Spot mainline tree trimming and removals	Complete	Jun-12	
			Replace mainline crossarm from assessment	Complete	Jun-12	
			Upgrade mainline disconnects to gang operated air break switch	Complete	Jun-12	
			Perform accelerated backbone assessment	Complete	Jun-12	
			Perform accelerated three phase assessment	Complete	Jun-12	
			Engineering review for the installation of an additional mainline recloser	Complete	Jul-12	
			Complete forestry assessment of three phase for SAIFI analysis	Complete	Sep-12	
			Proactive every other month mainline forestry inspection	Complete	Sep-12	
			Spot mainline tree trimming and removals	Complete	Oct-12	
			Proactive every other month mainline forestry inspection	Complete	Nov-12	
			Spot tree trimming and removals	Complete	Dec-12	
			Proactive every other month mainline forestry inspection	To be completed 2013		
			Replace additional mainline crossarms from assessment	To be completed 2013		
			Comprehensive circuit patrol	To be completed 2013		
13	South Lebanon	00772-2	*Performance was primarily driven by vehicle accidents (57%), tree caused damage (21%) and forced outages (16%).*			
			Perform accelerated three phase circuit assessment	Complete	Jul-12	
			Perform accelerated backbone assessment	Complete	Jul-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace deteriorated crossarm	To be completed 2013		
			Install fault indicators two locations	To be completed 2013		
14	Mohnton	00123-1	*Performance was driven by a trees non-preventable outage during a severe storm event that included a broken pole (90%).*			
			Comprehensive circuit patrol	Complete	Apr-12	
			Repair sink hole surrounding mainline pole	Complete	May-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace mainline pin insulator	To be completed 2013		

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
15	Shawnee	00822-3	*Performance was driven by non-preventable trees which contributed 41% of circuit minutes and equipment failure which contributed 24% of circuit minutes.*			3Q2011 4Q2011 1Q2012 4Q2012
			Comprehensive tree trimming	Complete	Jan-12	
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Install fault indicators	Complete	Mar-12	
			Replace three sets of fault indicators	Complete	Aug-12	
			Repair conditioned items from circuit assessment	Complete	Sep-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
16	Baldy	00736-1	*Performance was driven by an outage during a severe storm event where no permanent condition was identified (42%) and trees non-preventable outages (39%).*			
			Complete mainline switch repair	Complete	Feb-12	
			Install fuse/bypass on mainline	Complete	Feb-12	
			Install additional mainline tap fuses	Complete	Mar-12	
			Replace mainline crossarms from comprehensive patrol	Complete	Jun-12	
			Engineering review for the installation of an additional mainline recloser	Complete	Jul-12	
			Comprehensive tree trimming	Complete	Dec-12	
			Install new mainline recloser	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Upgrade and relocate existing mainline recloser	To be completed 2013		
17	Gardners	00752-4	*Performance was driven by trees at 63% of circuit minutes and a capacitor bank problem at 16% of circuit minutes.*			4Q2011 1Q2012 2Q2012 3Q2012 4Q2012
			Perform accelerated circuit reliability assessment of mainline	Complete	Apr-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Apr-12	
			Perform accelerated circuit reliability assessment of single phase backbone	Complete	Apr-12	
			Perform post Hurricane Sandy accelerated circuit reliability assessment of mainline	Complete	Nov-12	
			Perform post Hurricane Sandy accelerated circuit reliability assessment of three phase	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
18	Campbelltown	00634-2	*Performance was primarily driven by line failures (61%) and outages of unknown cause (35%).*			
			Comprehensive tree trimming	Complete	Jun-12	
			Comprehensive circuit patrol	Complete	Aug-12	
			Install fault indicators at two locations	Complete	Aug-12	
			Replace recloser on circuit backbone	To be completed 2013		
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Replace poles at three locations to improve clearance	To be completed 2013		

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
19	Frystown	00701-2	*Performance was primarily driven by equipment failure (45%), line failure (19%), tree caused damage (17%) and outages of unknown origin (13%).*			
			Comprehensive circuit patrol	To be completed 2013		
			Replace insulators on three phase at one location	To be completed 2013		
20	North Lebanon	00712-2	*Performance was primarily driven by vehicle accidents (54%) and tree caused outages (37%).*			
			Replace deteriorated crossarm	To be completed 2013		
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
			Replace recloser and control with triple single unit	To be completed 2013		
21	Yorkana	00708-4	*Performance was driven by vehicle caused outages (74% of minutes).*			3Q2011 4Q2011 1Q2012 2Q2012 3Q2012 4Q2012
			Perform accelerated circuit reliability assessment of backbone	Complete	May-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	May-12	
			Personal letter to be sent to each customer on this circuit explaining reliability improvements	Complete	May-12	
			Reconfigure circuit to minimize line exposure	Complete	May-12	
			Perform accelerated single phase assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
22	Bern Church	00791-1	*Performance was driven by two outages during a severe weather event caused by wind and a tree (86%).*			
			Install additional mainline tap fuses	Complete	Jun-12	
			Spot forestry inspection	Complete	Aug-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
23	West Boyertown	00717-1	*Performance was driven by two trees non-preventable outages (74%).*			
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Comprehensive tree trimming	Complete	Oct-12	
			Install additional mainline tap fusing	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
24	Angelica	00129-1	*Performance was driven by trees non-preventable outages (53%) and an outage caused by lightning during a severe storm event (30%).*			
			Comprehensive circuit patrol	Complete	May-12	
			Comprehensive tree trimming on substation source circuit	Complete	Dec-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
25	N. Bangor	00826-3	*Performance was driven by non-preventable trees which contributed 40% of circuit minutes and 25% of minutes due to an outage of unknown cause on 11/28/12.*			3Q2011 4Q2011 3Q2012 4Q2012
			Perform accelerated backbone and three phase assessment	Complete	Mar-12	
			Forestry to perform mid-cycle inspection	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		

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
26	South Hamburg	00743-1	*Performance was driven by two outages caused by crossarm problems (41%) and trees non-preventable outages (35%).*			
			Perform accelerated backbone assessment	Complete	Jul-12	
			Line Manager mainline patrol	Complete	Jul-12	
			Mainline crossarm replacements	Complete	Jul-12	
			Engineering review for the installation of an additional mainline recloser	Complete	Jul-12	
			Comprehensive tree trimming	Complete	Dec-12	
			Replace mainline crossarms from backbone assessment	To be completed 2013		
			Comprehensive circuit patrol	To be completed 2013		
27	Barto	00706-1	*Performance was driven by a transmission substation equipment problem (42%) and two outages during a severe weather event caused by trees (40%).*			
			Spot forestry patrol	Complete	Jan-12	
			Install additional mainline tap fusing	Complete	Apr-12	
			Comprehensive tree trimming	Complete	Apr-12	
			Transmission substation equipment repair	Complete	Jul-12	
			Engineering review for the installation of additional mainline reclosers	Complete	Jul-12	
			Spot forestry inspection	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
28	Collins	00761-2	*Performance was primarily driven by tree caused outages (91%).*			
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
			Replace deteriorated crossarm	To be completed 2013		
			Replace deteriorated crossarm	To be completed 2013		
29	Swatara Hill	00764-2	*Performance was primarily driven by vehicle accidents (55%), outages of unknown origins (18%), equipment failure (14%) and line failures (8%).*			1Q2012 2Q2012 3Q2012 4Q2012
			Perform accelerated backbone and three phase circuit assessment	Complete	May-12	
			Replace deteriorated crossarm	Complete	Nov-12	
			Replace deteriorated crossarm	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
30	Carsonia	00171-1	*Performance was driven by an outage caused by line failure while circuit was used as an alternate source (33%), an outage caused by lightning during a severe storm event (31%) and an outage caused by a fuse holder problem (23%).*			
			Perform accelerated backbone assessment	Complete	Sep-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
31	Cly	00722-4	*Performance was driven by tree caused outages (88% of minutes).*			
			Install radio controlled switch and radio controlled recloser with fault indicators	Complete	Oct-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	Dec-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Dec-12	
			Perform mid-cycle forestry patrol	Complete	Dec-12	
			Forestry to perform on mid-cycle backbone circuit tree trimming	Complete	Dec-12	
			Replace/repair high priority items identified during circuit patrol	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		

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
32	Grantville	00720-2	*Performance was primarily driven by tree caused damage (37%), equipment damage (36%), a scissor lift contacting the line (16%) and a line failure (8%).*			
			Comprehensive tree trimming	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Repair pole top	To be completed 2013		
33	Birchwood	00624-3	*Performance was driven by a vehicle accident on 4/9/12 which contributed 42% of circuit minutes and an insulator failure on 5/4/12 which contributed 48% of circuit minutes.*			
			Perform accelerated backbone circuit assessment	To be completed 2013		
34	Taxville	00572-4	*Performance was driven by vehicle caused outages (77% of minutes).*			
			Perform accelerated circuit reliability assessment of backbone	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Jun-12	
			Perform SAIFI analysis initiative study	Complete	Apr-12	
			Install fault indicators on the circuit three phase backbone	Complete	Sep-12	
			Replace/Repair high priority items identified during circuit patrol	Complete	Sep-12	
			Install additional fuse on the circuit	Complete	Oct-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
35	Dillsburg	00746-4	*Performance was driven by a conductor problem that accounted for 63% of circuit minutes and trees that accounted for 19%.*			
			Perform replacement of one priority one pole	Complete	Feb-12	
			Perform fuse changes at five locations to improve circuit coordination	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Aug-12	
			Perform accelerated backbone assessment	Complete	Aug-12	
			Replace high priority items identified during circuit patrol	Complete	Dec-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
36	Allen	00503-4	*Performance was driven by trees at 49% of circuit minutes and a vehicle related outage accounting for 22%.*			
			Perform fuse changes at five locations to improve circuit coordination	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of mainline	Complete	Sep-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Sep-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
37	Belfast	00812-3	*Performance was driven by a conductor problem on 8/4/12 which contributed 45% of circuit minutes and non-preventable trees which contributed 36% of circuit minutes.*			
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		

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
38	Frystown	00702-2	*Performance was primarily driven by lightning damage (40%), vehicle accidents (25%), line failures (20%) and tree caused outages (9%).*			1Q2012 2Q2012 3Q2012 4Q2012
			Review step bank fusing	Complete	Apr-12	
			Perform accelerated three phase circuit assessment	Complete	Jun-12	
			Replace crossarm and broken insulators	Complete	Jun-12	
			Replace deteriorated crossarm	Complete	Dec-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Comprehensive circuit patrol	To be completed 2013		
			Install fault indicators one locations	To be completed 2013		
			Replace deteriorated crossarm	To be completed 2013		
	Ringing Rocks	00708-1	*Performance was driven by trees non-preventable outages (44%) and two vehicle accidents (27%).*			3Q2011 4Q2011 1Q2012 2Q2012 3Q2012
			Perform accelerated three phase assessment	Complete	Nov-11	
			Perform accelerated backbone assessment	Complete	Nov-11	
			Perform engineering SAIFI improvement study	Complete	Dec-11	
			Install additional one phase mainline tap fuses	Complete	Jan-12	
			Install additional mainline recloser	Complete	Mar-12	
			Complete forestry assessment of three phase for SAIFI analysis	Complete	May-12	
			Complete accelerated backbone and three phase assessment for SAIFI analysis	Complete	Jun-12	
			Install additional mainline tap fuses	Complete	Aug-12	
			Spot forestry inspection	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
	Lynnville	00737-1	*Performance was driven by trees non-preventable outages (67%).*			3Q2011 4Q2011 1Q2012 2Q2012
			Perform faulted circuit indicator installation engineering study	Complete	Aug-11	
			Perform mid-cycle forestry patrol	Complete	Dec-11	
			Perform accelerated three phase assessment	Complete	Dec-11	
			Perform accelerated backbone assessment	Complete	Dec-11	
			Install overhead fault indicators at nine locations	Complete	Dec-11	
			Replace mainline recloser battery	Complete	May-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Complete engineering mainline coordination study	Revised Completion Date	Jan-13	
			Comprehensive tree trimming	To be completed 2013		

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
	Bernville	00787-1	*Performance was driven by trees non-preventable outages (76%).*			3Q2011 4Q2011 1Q2012 2Q2012
			Replace mainline crossarm	Complete	Sept-11	
			Repair mainline switch	Complete	Oct-11	
			Mainline forestry spot tree trimming and removal	Complete	Dec-11	
			Perform accelerated three phase and backbone assessment	Complete	Dec-11	
			Comprehensive circuit patrol	Complete	Apr-12	
			Replace crossarms from circuit assessment	Complete	Apr-12	
			Replace batteries on mainline reclosers	Complete	Jun-12	
			Replace arresters on mainline recloser	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
	Windsor	00795-4	*Performance was driven by tree caused outages (79% of minutes).*			3Q2011 4Q2011 1Q2012 3Q2012
			Perform accelerated backbone and three phase assessment	Complete	Jul-11	
			Perform accelerated circuit reliability assessment of backbone	Complete	May-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	
			Comprehensive tree trimming	Complete	Dec-12	
			Comprehensive circuit patrol	To be completed 2013		
	Windsor	00796-4	*Performance was driven by non-preventable tree caused outages (59% of minutes) and one vehicle caused outage (36% of minutes).*			3Q2011 4Q2011 1Q2012 2Q2012
			Perform accelerated backbone and three phase assessment	Complete	Dec-11	
			Install additional fusing on the circuit	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	May-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	
			Install additional fuse on the circuit	Complete	Mar-12	
			Comprehensive tree trimming	Complete	Dec-12	
			Comprehensive circuit patrol	To be completed 2013		
	Windsor	00797-4	*Performance was driven by non-preventable tree caused outages (61% of minutes).*			3Q2011 4Q2011 1Q2012 2Q2012
			Perform accelerated backbone and three phase assessment	Complete	Nov-11	
			Install additional fusing on the circuit	Complete	Mar-12	
			Install additional fusing on the circuit	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Jun-12	
			Replace/repair high priority items identified during circuit patrol	Complete	Dec-12	
			Comprehensive tree trimming	Complete	Nov-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	Dec-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Dec-12	
			Replace/repair high priority items identified during circuit patrol	To be completed 2013		
			Comprehensive circuit patrol	To be completed 2013		

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
	S. Nazareth	00809-3	*Performance was driven by vehicle accidents which contributed 52% of circuit minutes.*			3Q2011 4Q2011 1Q2012 2Q2012
			Install fault indicators	Complete	Nov-11	
			Perform SAIFI analysis initiative study	Complete	Dec-11	
			Perform accelerated backbone and three phase assessment	Complete	Feb-12	
			Comprehensive tree trimming	Complete	Mar-12	
			Install SCADA controlled switch	Complete	May-12	
			Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Fox Hill	00816-3	*Performance was driven by non-preventable trees which contributed 63% of circuit minutes and lightning which contributed 26% of circuit minutes.*			3Q2011 4Q2011 1Q2012 2Q2012
			Study automation of sectionalizer on circuit	Complete	Sep-11	
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Correct fuse miscoordinations identified during SAIFI analysis	Complete	Mar-12	
			Replace sectionalizer with SCADA switch	Complete	Mar-12	
			Comprehensive tree trimming	Complete	Apr-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Dillsburg	00749-4	*Performance was driven by trees at 76% of circuit minutes. One tree related outage accounted for 66% of the circuit's minutes.*			3Q2011 4Q2011 1Q2012 2Q2012
			Perform accelerated circuit reliability assessment of mainline	Complete	Jul-11	
			Perform accelerated circuit reliability assessment of three phase	Complete	Aug-11	
			Perform accelerated circuit reliability assessment of single phase	Complete	Aug-11	
			Install a total of six fault circuit indicators at two locations on the circuit	Complete	Nov-11	
			Perform SAIFI analysis initiative study	Complete	Dec-11	
			Replace/repair high priority items identified during circuit patrol	Complete	Mar-12	
			Perform replacement of five priority one poles	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of mainline	Complete	May-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	
			Replace/repair high priority item identified during circuit patrol	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	North Lebanon	00715-2	*Performance was primarily driven by wind caused damage (62%) and vehicle accidents (32%).*			3Q2011 4Q2011 1Q2012 2Q2012
			Install fault indicators at four locations	Complete	Sep-11	
			Replace deteriorated crossarm	Complete	Feb-12	
			Replace deteriorated crossarm	Complete	Mar-12	
			Forestry patrol of backbone and all of three phase beyond recloser 71512	Complete	Mar-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
	S. Hamburg	00801-1	*Performance was driven by equipment failure (54%) and trees non preventable (10%).*			
			Install additional fusing	Complete	Dec-12	
			Three phase pole repair from three phase assessment	Complete	Dec-12	

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
	Myerstown	00750-2	*Performance was primarily driven by tree caused outages (81%) and vehicle caused outages (11%).*			
			Transfer customers onto 751-2 line	Complete	Sep-12	
	Collins	00760-2	*Performance was primarily driven by tree caused outages (94%).*			
			Repair slack in the span	Complete	Sep-12	
			Replace failing crossarm	Complete	Aug-12	
			Mid-cycle trimming identified in patrol	Complete	Mar-12	
			Repair crossarm brace	Complete	Jul-12	
			Repair crossarm brace	Complete	Jul-12	
	Taxville	00575-4	*Performance was driven by a wind storm (87% of minutes in one event caused by a tornado).*			
			Perform accelerated circuit reliability assessment of backbone	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Mar-12	
	Mountain	00740-4	*Performance driven by a storm related conductor problem that broke a cutout accounting for 49% of circuit minutes and 43% of circuit minutes due to trees during the 5/26/11 tornado.*			3Q2011 4Q2011 1Q2012
			Install a total of nineteen fault current indicator at seven locations on the circuit	Complete	Jul-11	
			Perform accelerated circuit reliability assessment of mainline	Complete	Nov-11	
			Perform accelerated circuit reliability assessment of three phase	Complete	Nov-11	
			Perform accelerated circuit reliability assessment of single phase	Complete	Nov-11	
			Install sectionalizers at two locations	Complete	Jan-12	
			Perform accelerated circuit reliability assessment of mainline	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Mar-12	
			Replace/repair high priority items identified during circuit patrol	Complete	May-12	
	Taxville	00573-4	*Performance driven by a wind storm (71% of minutes caused by a tornado).*			
			Perform accelerated circuit reliability assessment of backbone	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Mar-12	
			Install an additional reclosers to protect the circuit three phase	Complete	Dec-12	
	North Cornwall	00610-2	*Performance was primarily driven by vehicle accidents (31%), tree damage (34%) and an outage of unknown origin (33%).*			4Q2011 1Q2012
			Comprehensive tree trimming	Complete	Dec-12	
	Mt. Bethel	00090-3	*Performance driven by trees (62% of minutes) and line failure (31% of minutes).*			
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Nov-12	
			Upgrade 300A switch to 600A switch	Complete	Apr-12	
			Engineering to evaluate relocation of off road section of line	Complete	Sep-12	
	Annville	00743-2	*Performance was primarily driven by tree caused outages (87%) and animal caused outages (12%).*			
			Replace spacers missing from spacer cable	Complete	Dec-12	

Met-Ed						
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	Shawnee	00860-3	*Performance driven by non-preventable trees which contributed 72% of circuit minutes. 66% of tree caused minutes were from a tree caused lock out on 10/6/11.*			3Q 2011 4Q 2011 1Q 2012 2Q 2012
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated single phase assessment	Complete	Feb-12	
			Replace three sets of fault indicators	Complete	Jun-12	
			Install SCADA Controlled Switch	Complete	Sep-12	
			Repair conditioned items from circuit assessment	*Complete*	*Nov-12*	
	Bairs	00571-4	*Performance was driven by non-preventable tree caused outages (47% of the minutes).*			
			Replace/repair high priority items identified during circuit patrol	Complete	Nov-12	
	Friedensburg	00769-1	*Performance driven by a substation disconnect problem (28%), an outage caused by an arrester problem (26%) and an outage caused by lightning (22%).*			
			Replace crossarms from circuit assessment	Complete	Feb-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Install additional mainline disconnects and fault indicators at one location	To be completed 2013		
	Newberry	00577-4	*Performance was driven by non-preventable tree caused outages (26% of the minutes) and equipment failure cause outages (44% of the minutes).*			
			Replace/repair high priority items identified during circuit patrol	Complete	Oct-12	
	Newberry	00585-4	*Performance was driven by non-preventable tree caused outages (76% of minutes).*			
			Perform accelerated circuit reliability assessment of backbone	Complete	Dec-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Jul-12	
	Newberry	00576-4	*Performance driven by non-preventable tree caused outages (82% of minutes).*			
			Perform accelerated circuit reliability assessment of three phase	Complete	Jan-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	Jan-12	
			Install three radio controlled switches and recloser with fault indicators	Complete	Jan-12	
			Replace/repair high priority items identified during circuit patrol	Complete	Nov-12	
			Perform mid-cycle forestry patrol	Complete	Aug-12	
	Glendon	00818-3	*Performance was driven by line failure on 7/3/11 which contributed 40% of circuit minutes and a vehicle accident on 12/17/2011 which contributed 48% of circuit minutes.*			4Q2011 1Q2012 2Q2012 3Q2012
			Perform accelerated backbone and three phase assessment	Complete	Mar-12	
			Installed new conductors on three spans of mainline	Complete	Dec-12	
			Installed new conductors on three spans of mainline	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		

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
	Shawnee	00860-3	*Performance was driven by non-preventable trees which contributed 72% of circuit minutes. 66% of tree caused minutes were from a tree caused lock out on 10/6/11.*			3Q2011 4Q2011 1Q2012 2Q2012 3Q2012
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated single phase assessment	Complete	Feb-12	
			Install SCADA Controlled Switch	Complete	Sep-12	
			Replace three sets of fault indicators	Complete	Jun-12	
			Repair conditioned items from circuit assessment	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
	Lyons	00729-1	*Performance was driven by trees non-preventable outages (66%) and an outage caused by a fuse holder problem (20%).*			
			Comprehensive tree trimming	Complete	Nov-12	
			Mainline forestry inspection	Complete	Nov-12	
			Comprehensive circuit patrol	To be completed 2013		
	Dillsburg	00746-4	*Performance was driven by a conductor problem that accounted for 63% of circuit minutes and a tree related outage that accounted for 17% of the circuit minutes.*			
			Perform accelerated circuit reliability assessment of three phase	Complete	Aug-12	
			Perform accelerated backbone assessment	Complete	Aug-12	
			Replace high priority items identified during circuit patrol	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Yoe	00559-4	*Performance was driven by a line failure caused outages (82% of minutes).*			
			Perform mid-cycle forestry patrol.	Complete	Aug-12	
			Replace/repair high priority items identified during circuit patrol	Complete	Oct-12	
			Comprehensive circuit patrol	To be completed 2013		
	Ottsville	00661-3	*Performance was driven by non-preventable trees which contributed to 77% of circuit minutes.*			
			Install recloser	Complete	Aug-12	
			Comprehensive tree trimming	To be completed 2013		

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BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Joint 4th Quarter 2012 Reliability Report – Pennsylvania Power Company, Pennsylvania Electric Company and Metropolitan Edison 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:

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