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November 13, 2012

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**VIA UNITED PARCEL SERVICE**

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

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**Re: Joint 3<sup>rd</sup> Quarter 2012 Reliability Report – Pennsylvania Power Company,  
Pennsylvania Electric Company and Metropolitan Edison Company**

Dear Secretary Chiavetta,

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of Pennsylvania Power Company, Pennsylvania Electric Company, and Metropolitan Edison Company (collectively, the “Companies”) are two copies of the Joint 3<sup>rd</sup> Quarter 2012 Reliability Report – Public Version (“Joint Report”). Please date stamp the additional copy and return it in the postage-prepaid envelope provided.

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

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

Sincerely,

Douglas S. Elliott  
President, Pennsylvania Operations  
(610) 921-6060  
elliottd@firstenergycorp.com



## Joint 2012 3<sup>rd</sup> Quarter Reliability Report

Pennsylvania Power Company,  
Pennsylvania Electric Company and  
Metropolitan Edison Company

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

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**Joint 3<sup>rd</sup> 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<sup>1</sup>.*

*Major Events*

FirstEnergy Company	Customers Affected	Time and Duration of the Event		Cause of the Event	Commission Approval Status
<b>Penelec</b>	106,492	Duration	4 days, 18 hours and 19 minutes	Severe thunderstorms	Approved on October 25, 2012
		Start Date/Time	July 26, 2012 1:59am		
		End Date/Time	July 30, 2012 8:17pm		

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

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

*Reliability Index Values*

3Q 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	1.15	1.26	1.52	1.46	1.15	1.38	1.32
CAIDI	101	121	113	117	141	137	117	140	119
SAIDI	113	162	130	148	213	200	135	194	157
Customers Served <sup>2</sup>	157,561			584,514			547,593		
Number of Sustained Interruptions	3,305			11,996			9,075		
Customers Affected	181,026			851,174			720,585		
Customer Minutes	20,524,890			116,963,587			86,013,516		

<sup>2</sup> Represents the average number of customers served during the reporting period

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

### *Worst Performing Circuits – Reliability Indices*

The methodology 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				
3rd Quarter 2012 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
TREES/NOT PREVENTABLE	7,589,467	699	35,029	21%
LIGHTNING	3,037,772	657	17,366	20%
ANIMAL	1,257,109	506	22,251	15%
BIRD	322,542	333	3,928	10%
EQUIPMENT FAILURE	2,362,055	316	29,915	10%
LINE FAILURE	2,830,567	290	17,662	9%
OVERLOAD	296,765	88	4,427	3%
VEHICLE	779,969	76	8,491	2%
PREVIOUS LIGHTNING	46,927	71	430	2%
UNKNOWN	262,842	66	2,760	2%
FORCED OUTAGE	395,254	58	4,841	2%
HUMAN ERROR - COMPANY	679,098	37	29,013	1%
HUMAN ERROR -NON-COMPANY	212,588	32	1,287	1%
TREES/PREVENTABLE	66,177	26	241	1%
CUSTOMER EQUIPMENT	242,496	12	1,469	0%
OBJECT CONTACT WITH LINE	39,517	12	456	0%
UG DIG-UP	7,169	9	64	0%
FIRE	70,510	6	1,265	0%
CONTAMINATION	4,988	4	15	0%
VANDALISM	4,462	3	12	0%
WIND	4,478	2	14	0%
CALL ERROR	11,088	1	84	0%
OTHER UTILITY-NON ELEC	1,050	1	6	0%
<b>TOTAL</b>	<b>20,524,890</b>	<b>3,305</b>	<b>181,026</b>	<b>100.00%</b>

## Proposed Solutions – Penn Power

### Trees Non-Preventable

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

### 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				
3rd Quarter 2012 12-Month Rolling	Penelec			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
EQUIPMENT FAILURE	25,212,094	3,149	208,993	26.25%
UNKNOWN	12,172,734	2,138	117,492	17.82%
TREES/NOT PREVENTABLE	39,399,865	1,939	169,978	16.16%
ANIMAL	2,360,688	1,233	27,038	10.28%
LINE FAILURE	17,690,245	935	140,251	7.79%
FORCED OUTAGE	2,988,904	594	33,419	4.95%
LIGHTNING	5,563,816	540	42,503	4.50%
VEHICLE	5,497,226	365	38,080	3.04%
BIRD	804,219	264	5,864	2.20%
HUMAN ERROR - COMPANY	382,698	165	10,879	1.38%
CUSTOMER EQUIPMENT	949,067	102	29,872	0.85%
HUMAN ERROR -NON-COMPANY	797,739	101	9,710	0.84%
OVERLOAD	518,918	96	5,801	0.80%
ICE	721,966	67	1,803	0.56%
OTHER ELECTRIC UTILITY	272,671	66	1,615	0.55%
PREVIOUS LIGHTNING	96,657	61	1,596	0.51%
UG DIG-UP	109,338	61	686	0.51%
TREES/PREVENTABLE	133,601	56	456	0.47%
OBJECT CONTACT WITH LINE	170,658	24	809	0.20%
VANDALISM	707,831	14	2,563	0.12%
FIRE	30,145	11	363	0.09%
OTHER UTILITY-NON ELEC	378,684	9	1,393	0.08%
CONTAMINATION	579	4	8	0.03%
WIND	3,244	2	2	0.02%
<b>Total</b>	<b>116,963,587</b>	<b>11,996</b>	<b>851,174</b>	<b>100%</b>

## Proposed Solutions – Penelec

### Equipment Failure

Porcelain cutout failures represent approximately one-third of the equipment failure outages in Penelec's territory. To address this cause, Penelec 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 Non-Preventable

Forestry Services reviews the "Trees Non-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 Non-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				
3rd Quarter 2012 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
TREES/NOT PREVENTABLE	32,846,670	2,055	182,362	22.64%
EQUIPMENT FAILURE	15,804,978	2,009	163,079	22.14%
UNKNOWN	7,059,490	1,220	93,567	13.44%
ANIMAL	1,328,085	1,065	19,299	11.74%
LIGHTNING	5,749,849	820	36,998	9.04%
LINE FAILURE	5,854,947	553	39,116	6.09%
FORCED OUTAGE	3,232,425	341	60,875	3.76%
VEHICLE	7,623,844	276	59,967	3.04%
TREES/PREVENTABLE	1,720,533	182	12,225	2.01%
BIRD	285,753	171	3,971	1.88%
HUMAN ERROR - NON-COMPANY	698,035	76	4,330	0.84%
PREVIOUS LIGHTNING	130,502	65	708	0.72%
OVERLOAD	793,439	56	8,497	0.62%
HUMAN ERROR - COMPANY	240,255	55	17,852	0.61%
UG DIG-UP	150,842	34	1,965	0.37%
OBJECT CONTACT WITH LINE	514,080	25	4,932	0.28%
WIND	1,009,697	22	2,167	0.24%
CUSTOMER EQUIPMENT	429,566	15	2,041	0.17%
VANDALISM	340,611	15	3,573	0.17%
FIRE	101,256	9	983	0.10%
OTHER ELECTRIC UTILITY	91,317	6	2,047	0.07%
OTHER UTILITY-NON ELEC	6,726	3	29	0.03%
CONTAMINATION	616	2	2	0.02%
<b>TOTAL</b>	<b>86,013,516</b>	<b>9,075</b>	<b>720,585</b>	<b>100%</b>

## Proposed Solutions – Met-Ed

### Trees Non-Preventable

Forestry Services reviews areas where “Trees Non-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 Non-Preventable” caused outages are prioritized based on customer outage minutes. A patrol of the three-phase backbone of each circuit is performed and foresters 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*

Inspection and Maintenance 2012		Penn Power			Penelec			Met-Ed		
		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	3Q	YTD	Annual	3Q	YTD	Annual	3Q	YTD
<b>Forestry</b>	Transmission (Miles)	69.90	41.26	41.26	677.85	184.11	210.37	343.90	45.12	161.15
	Distribution (Miles)	1,115	242	814	4,868	1,230	3,748	3,088	610	1,933
<b>Transmission</b>	Aerial Patrols	2	0	2	2	1	2	2	1	2
	Groundline <sup>3</sup>	0	0	0	2,658	2,717	2,883	0	0	0
<b>Substation</b>	General Inspections	967 <sup>4</sup>	243	724	5,004	1,251	3,753	2,635 <sup>5</sup>	660	1,975
	Transformers	124	2	124	787	23	781	349	50	338
	Breakers	75	5	72	696	91	604	227	42	165
	Relay Schemes	110	37	84	477	93	390	445	128	409
<b>Distribution</b>	Capacitors	1,000	0	1,007	8,676	0	8,676	4,668	0	4,668
	Poles	10,500	47	7,939	41,111	6,912	33,490	28,433	0	28,695
	Reclosers	760	1	761	2,578 <sup>6</sup>	2,578	2,578	976	370	976
	Radio-Controlled Switches	Penn Power has no radio-controlled switches			2,281 <sup>7</sup>	456	1,592	118	0	59

General Note:

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

<sup>3</sup> Transmission groundline inspections:

- Penn Power includes 69kV and 138kV
- Penelec includes 115kV
- Met-Ed includes 69kV, 115kV and 230 kV

<sup>4</sup> Planned number changed to 967 as one new substation was energized

<sup>5</sup> Planned number changed to 2,635 as one new substations was energized

<sup>6</sup> Planned number changed to 2,578 as one new recloser was installed

<sup>7</sup> Planned number changed to 2,281 as 9 new units were installed

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<sup>8</sup>

T&D O&M 2012							
Company	FERC	Q3 Actuals	Q3 Budget	Q3 YTD Actuals	Q3 YTD Budget	Annual Budget	
Penn Power	560 Operation Supervision and Engineering	(0)		(3)			
	561 Load Dispatching	31,325	22,155	69,037	67,075	89,239	
	565 Transmission of Electricity by Others	2,307,545	475,857	5,224,678	1,423,787	1,899,644	
	566 Miscellaneous Transmission Expenses	6,044	2,567	12,944	7,428	8,223	
	567 Rents	0		1			
	568 Maintenance Supervision and Engineering	1,730	91	7,174	1,012	833	
	569 Maintenance of Structures	6,025	18,324	20,241	57,006	74,221	
	570 Maintenance of Station Equipment	968	14,299	2,516	46,544	60,867	
	571 Maintenance of Overhead Lines	91,028	11,623	148,403	21,876	29,187	
	573 Maintenance of Miscellaneous Transmission Plant	822	-	279	7	7	
	575 Market Administration, Monitoring & Compliance Sys	5,767	17,260	16,874	51,781	69,041	
	580 Operation Supervision and Engineering	28		34,745			
	582 Station Expenses	2,675	8,725	11,764	26,119	35,541	
	583 Overhead Line Expenses	2,941		22,377			
	584 Underground Line Expenses	2,744	111,231	8,024	240,432	330,007	
	586 Meter Expenses	33,429	17,181	59,861	49,942	66,297	
	588 Miscellaneous Dx Expenses	199,363	54,099	552,624	119,259	268,821	
	589 Rents	81,707	79,280	243,426	237,911	317,191	
	590 Maintenance Supervision and Engineering	37,920	(2,851)	66,560	(3,521)	(8,109)	
	592 Maintenance of Station Equipment	233,545	109,475	728,497	272,052	362,451	
	593 Maintenance of Overhead Lines	2,057,580	1,221,007	5,226,841	3,869,935	5,041,000	
	594 Maintenance of Underground Lines	273,301		876,984			
	595 Maint. Line Transformer	-		45			
	596 Maintenance of Street Lighting and Signal Systems	103,077	51,488	279,254	229,430	286,350	
	597 Maintenance of Meters	212,784	185,026	610,417	529,063	706,228	
	598 Maintenance of Miscellaneous Distribution Plant	57,001	101,292	218,503	315,180	410,553	
	<b>Penn Power Total</b>		<b>5,749,350</b>	<b>2,498,131</b>	<b>14,442,067</b>	<b>7,562,317</b>	<b>10,047,590</b>
	Penelec	560 Operation Supervision and Engineering	6,461	8,728	27,277	24,831	32,351
		561 Load Dispatching	261,594	265,319	697,668	770,642	1,017,731
562 Station Expenses		34,562		44,498			
563 Overhead Lines Expenses		56,962	9,989	186,553	264,112	286,854	
565 Transmission of Electricity by Others		231,330	984,670	914,962	2,529,921	3,414,084	
566 Miscellaneous Transmission Expenses		229,090	159,542	589,580	452,260	571,571	
567 Rents		654,849	640,092	1,960,965	1,920,649	2,561,075	
568 Maintenance Supervision and Engineering		66,477	1,580	207,546	(3,513)	(1,963)	
569 Maintenance of Structures		95,039	99,993	288,251	312,168	406,381	
570 Maintenance of Station Equipment		363,108	119,603	1,322,333	362,688	475,943	
571 Maintenance of Overhead Lines		2,981,935	1,982,761	6,070,376	5,509,848	7,182,351	
572 Transmission-Maint. Of Underground Lines		(9)		(9)			
573 Maintenance of Miscellaneous Transmission Plant		7,200		28,967			
575 Market Administration, Monitoring & Compliance Sys		13,240	14,538	44,358	44,472	59,220	
580 Operation Supervision and Engineering		75,161	132,401	325,933	377,350	498,361	
581 Load Dispatching		153,091	193,392	464,281	550,460	720,058	
582 Station Expenses		21,083		56,514			
583 Overhead Line Expenses		17,318	14,674	35,097	62,799	72,521	
584 Underground Line Expenses		875		2,354			
585 Distribution-Street Lighting & Signal Sys Exps		(1,208)		(1,012)			
586 Meter Expenses		131,408	175,066	364,401	511,775	681,777	
587 Customer Installations Expenses							
588 Miscellaneous Dx Expenses		2,017,173	762,149	6,164,297	2,349,671	3,357,893	
589 Rents		338,772	404,067	1,153,843	1,212,200	1,616,266	
590 Maintenance Supervision and Engineering		148,372	(8,451)	293,100	7,749	(10,910)	
591 Maintenance of Structures							
592 Maintenance of Station Equipment		1,068,452	1,703,771	3,181,268	5,100,959	6,600,832	
593 Maintenance of Overhead Lines		8,853,241	3,198,824	23,682,653	10,255,172	13,288,148	
594 Maintenance of Underground Lines		593,657	182,312	1,992,919	546,938	729,250	
595 Maint. Line Transformer	451		451				
596 Maintenance of Street Lighting and Signal Systems	316,868	394,598	869,711	1,431,345	1,919,895		
597 Maintenance of Meters	548,082	558,393	1,722,547	1,595,063	2,125,364		
598 Maintenance of Miscellaneous Distribution Plant	496,723	572,863	1,633,593	1,785,801	2,323,975		
<b>Penelec Total</b>		<b>19,781,355</b>	<b>12,570,874</b>	<b>54,325,273</b>	<b>37,975,361</b>	<b>49,929,027</b>	

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

T&D O&M/2012						
Company	FERC	Q3 Actuals	Q3 Budget	Q3 YTD Actuals	Q3 YTD Budget	Annual Budget
Met-Ed	560 Operation Supervision and Engineering	5,178	7,293	22,506	20,748	27,031
	561 Load Dispatching	689,207	673,189	1,836,030	1,926,081	2,522,469
	562 Station Expenses	15,355		36,298		
	563 Overhead Lines Expenses	2,615	2,600	16,966	18,968	18,968
	565 Transmission of Electricity by Others	592,765	1,649,618	1,800,603	4,358,792	5,831,266
	566 Miscellaneous Transmission Expenses	419,374	222,990	1,028,005	630,855	799,486
	567 Rents	67,557	73,062	202,676	219,186	292,248
	568 Maintenance Supervision and Engineering	105,982	110	324,695	(7,424)	(8,873)
	569 Maintenance of Structures	84,806	111,945	270,251	353,792	459,423
	570 Maintenance of Station Equipment	429,625	455,799	1,132,806	1,361,769	1,804,932
	571 Maintenance of Overhead Lines	564,651	930,914	4,347,959	2,838,853	3,837,339
	572 Maintenance of Underground Lines	-	-	351		
	573 Maintenance of Miscellaneous Transmission Plant	13,156		29,666		
	575 Market Administration, Monitoring & Compliance Sys	14,628	21,414	54,247	64,228	85,180
	580 Operation Supervision and Engineering	84,919	87,039	265,168	228,633	306,496
	581 Load Dispatching	121,467	135,295	381,723	378,979	493,467
	582 Station Expenses	234,247	308,742	643,115	729,500	907,920
	583 Overhead Line Expenses	14,115	7,313	37,612	317,496	317,761
	584 Underground Line Expenses	420,483	153,900	423,384	461,700	615,761
	585 Distribution-Street Lighting & Signal Sys Exps	(342)		(342)		
	586 Meter Expenses	142,314	139,717	356,987	403,258	537,220
	587 Customer Installations Expenses					
	588 Miscellaneous Dx Expenses	1,395,695	1,076,849	4,383,687	2,752,849	4,019,105
	589 Rents	130,433	128,259	399,999	384,777	513,036
	590 Maintenance Supervision and Engineering	148,380	(9,850)	303,831	7,065	(13,732)
	591 Maintenance of Structures	(1,908)	2,564	1,052	7,362	9,849
	592 Maintenance of Station Equipment	627,753	612,260	2,380,315	1,787,491	2,353,814
	593 Maintenance of Overhead Lines	6,272,665	3,742,803	15,446,810	11,271,651	15,014,077
	594 Maintenance of Underground Lines	146,451	186,054	1,602,130	542,612	719,121
	595 Maint. Line Transformer	1,594		1,594		
	596 Maintenance of Street Lighting and Signal Systems	186,980	176,283	568,405	531,139	708,242
	597 Maintenance of Meters	644,380	501,590	1,781,263	1,497,643	1,997,646
	598 Maintenance of Miscellaneous Distribution Plant	383,278	855,185	1,454,115	2,652,293	3,461,668
<b>Met-Ed Total</b>		<b>13,957,803</b>	<b>12,252,937</b>	<b>41,433,923</b>	<b>35,740,296</b>	<b>47,630,920</b>

*Section 57.195(e)(8): Quarterly and year-to-date information on budgeted versus actual transmission and distribution capital expenditures in total and detailed by the EDC's own functional account code or FERC account code as available. (For first, second and third quarter reports only).*

*Budgeted vs. Actual T&D Capital Expenditures<sup>9</sup>*

T&D Capital - 2012						
Company	Investment Reason	Q3 Actuals	Q3 Budget	Q3 YTD Actuals	Q3 YTD Budget	Annual Budget
Penn Power	Capacity	449,090	16,379	27,115	378,563	393,045
	Condition	928,678	512,495	1,886,870	1,376,006	1,847,979
	Facilities	12,188	-	13,014	-	-
	Forced	2,475,959	1,445,122	5,329,947	4,651,263	6,172,581
	Meter Related	142,415	8,931	394,298	14,194	22,241
	New Business	1,319,250	518,275	3,774,198	1,656,603	2,127,954
	Other	92,691	659,773	979,411	1,959,476	2,539,343
	Reliability	261,273	800,785	443,682	2,008,073	2,711,126
	Street Light	39,598	75,464	118,740	215,555	288,418
	Tools & Equip	41,971	15,982	278,945	34,295	39,979
Vegetation Mgt.	1,184,667	1,399,898	3,973,816	4,325,743	5,725,011	
<b>Penn Power Total</b>		<b>6,947,779</b>	<b>5,453,104</b>	<b>17,220,036</b>	<b>16,619,771</b>	<b>21,867,675</b>
Penelec	Billable	-	-	0	-	-
	Capacity	4,296,661	3,600,299	10,483,576	13,895,775	20,753,889
	Condition	2,546,897	4,999,344	7,197,249	13,511,800	17,239,082
	Facilities	395,570	28,464	677,898	85,393	113,857
	Fix It Now	271,990	-	501,838	-	-
	Forced	8,805,354	6,849,866	21,912,610	20,301,894	26,027,454
	Jobbing & Contracting	(180)	-	(4)	-	-
	Meter Related	722,026	880,128	1,976,261	2,630,140	3,500,023
	New Business	1,683,963	3,335,468	8,017,046	8,548,381	11,936,842
	O&M	1,289,760	742,734	3,470,832	2,002,975	2,673,694
	Other	4,264,729	1,666,802	13,022,182	7,534,090	8,935,781
	Reliability	3,026,756	6,904,514	8,302,751	19,930,117	25,330,322
	Street Light	225,407	472,162	776,602	1,399,859	1,855,394
Tools & Equip	235,233	110,043	571,278	340,569	450,485	
Vegetation Mgt.	6,304,249	5,474,544	18,819,307	16,374,619	21,820,032	
<b>Penelec Total</b>		<b>32,506,846</b>	<b>34,321,633</b>	<b>91,756,762</b>	<b>104,552,636</b>	<b>137,963,162</b>
Met-Ed	Billable	(186)	-	(216)	-	-
	Capacity	2,719,038	2,961,935	6,646,020	8,226,210	11,648,570
	Condition	2,768,460	3,457,712	8,525,162	11,338,119	14,961,682
	Facilities	982,164	-	760,107	2,946,706	2,946,706
	Forced	7,716,834	5,634,489	13,264,072	17,184,950	22,992,038
	Meter Related	430,685	631,779	1,721,208	1,890,398	2,513,731
	New Business	2,261,808	3,277,133	7,448,704	9,790,813	12,998,744
	O&M	182,620	-	706,150	-	-
	Other	2,898,906	668,962	18,115,612	800,603	1,469,711
	Reliability	2,170,075	1,808,692	5,773,959	8,795,426	11,742,584
	Street Light	75,695	92,615	206,248	276,888	367,675
	Tools & Equip	238,296	112,376	607,432	349,331	461,560
	Vegetation Mgt.	5,039,925	5,437,355	13,422,965	16,613,172	21,039,996
<b>Met-Ed Total</b>		<b>27,301,886</b>	<b>24,083,049</b>	<b>76,491,489</b>	<b>78,212,616</b>	<b>103,142,998</b>

<sup>9</sup> Budgets are subject to change.

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

*Staffing Levels*

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

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

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

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

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

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	EVANS CITY	D611	ZELIENOPLE	951	34	0	663,213	2,031	4.21	697	2.14	327	1.1
2	CAMP REYNOLDS	W-134	CLARK	1,699	76	0	547,700	2,543	3.48	322	1.5	215	0.0
3	STONEBORO	W-132	CLARK	1,073	42	1	544,731	2,518	3.46	508	2.35	216	0.0
4	CANAL	W-104	CLARK	1,684	15	1	527,369	2,731	3.35	313	1.62	193	0.0
5	MARS	D616	ZELIENOPLE	1,040	44	0	477,709	1,375	3.03	459	1.32	347	0.1
6	STONEBORO	W-130	CLARK	808	32	0	394,905	1,867	2.51	489	2.31	212	0.2
7	HADLEY	W-195	CLARK	938	43	0	342,147	1,341	2.17	365	1.43	255	0.0
8	UNION	W-562	NEW CASTLE	945	16	0	342,063	1,625	2.17	362	1.72	211	2.0
9	MERCER	W-128	CLARK	1,228	39	0	327,907	1,893	2.08	267	1.54	173	0.0

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

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (5)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	Madera	00166-22	Philpsburg	2,223	69	1	2,343,648	10,822	4.01	1,054	4.87	217	8.61
2	Madera	00167-22	Philpsburg	1,831	39	5	1,931,633	7,672	3.30	1,055	4.19	252	17.61
3	Lucerne	00088-13	Indiana	480	11	3	1,838,436	4,016	3.15	3,830	8.37	458	0.00
4	Salix	00070-11	Johnstown	2,295	40	0	1,611,952	3,353	2.76	702	1.46	481	5.35
5	Bellwood North	00635-22	Philpsburg	1,108	29	3	1,537,846	3,892	2.63	1,388	3.51	395	0.00
6	Philpsburg	00162-22	Philpsburg	3,254	78	0	1,326,925	11,423	2.27	408	3.51	116	24.11
7	Shawville	00151-21	Clearfield	2,325	45	1	1,266,719	4,807	2.17	545	2.07	264	0.99
8	Union City	00206-43	Corry	3,837	123	0	1,251,387	5,238	2.14	326	1.37	239	19.75
9	East Pike	00095-13	Indiana	3,397	43	2	1,195,110	9,656	2.04	352	2.84	124	19.44
10	Warren South	00220-41	Warren	2,961	56	0	950,608	5,945	1.63	321	2.01	160	10.73
11	Hooversville	00019-12	Somerset	1,925	54	0	923,221	2,423	1.58	480	1.26	381	3.23
12	Madera	00165-22	Philpsburg	936	42	2	892,893	2,879	1.53	954	3.08	310	9.99
13	Edinboro	00421-34	Erie	609	15	3	882,644	2,120	1.51	1,449	3.48	416	7.43
14	Timblin	00103-23	DuBois	748	35	0	849,441	3,344	1.45	1,136	4.47	254	36.95
15	Tunkhannock	00533-65	Montrose	1,236	50	0	828,935	2,196	1.42	671	1.78	377	37.46
16	Tower Hill	00580-63	Mansfield	402	20	1	810,903	2,714	1.39	2,017	6.75	299	11.61
17	St. Benedict	00057-72	Ebensburg	922	14	0	810,016	1,634	1.39	879	1.77	496	12.97
18	Two Mile	00127-42	Bradford	1,304	32	0	789,841	1,643	1.35	606	1.26	481	15.98
19	Blairsville East	00082-13	Indiana	1,141	31	1	783,940	2,617	1.34	687	2.29	300	30.24
20	Edgewood	00089-13	Indiana	896	40	3	777,920	4,582	1.33	868	5.11	170	28.08
21	Pittsburgh Avenue	00524-31	Erie	1,684	20	2	716,299	4,074	1.23	425	2.42	176	1.50
22	Lake Como	00787-65	Montrose	872	30	2	680,049	3,634	1.16	780	4.17	187	28.18
23	Samuel Rea Car Shop	00031-71	Alleghna	1,663	13	1	660,469	2,193	1.13	397	1.32	301	0.49
24	Punxsutawney	00829-23	DuBois	583	10	1	647,894	1,073	1.11	1,111	1.84	604	2.98
25	Mahaffey	00010-21	Clearfield	137	8	0	642,829	380	1.10	4,692	2.77	1,692	4.39
26	Grover	00527-63	Mansfield	1,060	65	0	603,733	2,153	1.03	570	2.03	280	8.93

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

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lookouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
27	Claysburg	00044-71	Altoona	1,204	26	2	571,721	2,566	0.98	475	2.13	223	9.62
28	Erie South	00259-31	Erie	2,485	58	0	571,273	5,604	0.98	230	2.26	102	2.25
29	Marienville	00328-51	Oil City	1,205	33	0	565,775	1,531	0.97	470	1.27	370	9.93
30	DuBois	00124-23	DuBois	2,097	24	0	556,738	7,202	0.95	265	3.43	77	1.45
31	Lake Como	00788-65	Montrose	601	19	2	544,467	2,082	0.93	906	3.46	262	59.01
32	Philipsburg	00164-22	Philipsburg	2,143	42	1	528,230	5,275	0.90	246	2.46	100	2.26
33	Tiffany	00435-65	Montrose	783	35	1	521,271	2,841	0.89	666	3.63	183	28.39
34	Brockville	00123-23	DuBois	527	21	1	517,234	1,354	0.88	981	2.57	382	19.87
35	Mount Union	00154-82	Huntingdon	1,151	32	1	504,953	2,284	0.86	439	1.98	221	3.26
36	Clymer	00110-13	Indiana	1,067	31	1	493,604	2,580	0.84	463	2.42	191	10.41
37	Edinboro	00419-34	Erie	470	8	1	478,267	672	0.82	1,018	1.43	712	3.72
38	Saxton	00625-73	Bedford	1,347	30	1	476,258	2,524	0.81	354	1.87	189	2.67
39	Corry East	00440-43	Corry	598	28	3	461,237	3,598	0.79	771	6.02	128	10.37
40	Tower Hill	00581-63	Mansfield	517	30	0	440,662	1,428	0.75	852	2.76	309	8.99
41	Church	00427-34	Erie	739	22	1	440,361	1,358	0.75	596	1.84	324	3.19
42	Brockville	00125-23	DuBois	624	26	0	439,918	3,295	0.75	705	5.28	134	7.42
43	Thompson	00436-65	Montrose	1,355	46	0	434,806	4,094	0.74	321	3.02	106	12.50
44	Curryville	00644-71	Altoona	1,773	42	0	430,767	2,194	0.74	243	1.24	196	11.78
45	Blairsville East	00080-13	Indiana	1,073	27	0	411,541	3,917	0.70	384	3.65	105	6.76
46	Portage	00081-72	Ebensburg	534	11	2	400,460	1,312	0.69	750	2.46	305	0.00
47	Crown	00319-51	Oil City	1,321	56	1	400,273	3,208	0.68	303	2.43	125	15.84
48	Thompson	00446-65	Montrose	505	25	1	386,864	1,575	0.66	766	3.12	246	0.00
49	Dixonville East	00120-13	Indiana	439	16	3	383,193	1,684	0.66	873	3.84	228	16.43
50	Park Plaza	00183-71	Altoona	1,488	34	1	381,291	2,157	0.65	256	1.45	177	2.99
51	Erie East	00234-31	Erie	1,072	53	2	359,791	2,729	0.62	336	2.55	132	11.17
52	Oxbow	00555-65	Montrose	722	16	0	356,425	1,523	0.61	494	2.11	234	23.24

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

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)
53	Mansfield	00699-63	Mansfield	753	27	2	356,417	1,737	0.61	473	2.31	205	0.30
54	Cambridge Springs	00461-52	Meadville	525	14	1	353,179	814	0.60	673	1.55	434	1.06
55	South Mansfield	00619-63	Mansfield	516	22	5	352,359	3,181	0.60	683	6.16	111	16.10
56	Mildred	00771-62	Towanda	570	13	1	347,827	984	0.60	610	1.73	353	4.05
57	Tionesta	00344-51	Oil City	531	21	1	344,486	1,136	0.59	649	2.14	303	1.84
58	Lenox	00755-65	Montrose	687	29	0	343,835	2,692	0.59	500	3.92	128	6.25
59	Glen Campbell	00680-21	Clearfield	464	25	0	340,266	1,446	0.58	733	3.12	235	13.79

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

Met-Ed													
Circuit Rack	Circuit Desc	Substation	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	Leesport	Hamburg	00811-1	1,479	7,044	47	2	1,225,935	828.89	2.24	4.76	174	0
2	Barto	Boyertown	00705-1	1,910	5,759	105	1	1,123,268	588.1	2.05	3.02	195.1	5.44
3	Snydersville	Stroudsburg	00621-3	1,756	4,977	40	2	1,104,624	629.06	2.02	2.83	222	0
4	Birdsboro	Reading	00757-1	1,900	8,720	75	4	1,059,521	557.64	1.93	4.59	121.5	3.97
5	Shawnee	Stroudsburg	00899-3	1,644	6,418	48	1	1,014,275	616.96	1.85	3.9	158	1.09
6	Mountain	Dillsburg	00744-4	1,749	5,449	101	0	1,011,466	578.31	1.85	3.12	185.6	4.92
7	BIRDSBORO	Reading	00756-1	1,398	9,123	93	0	858,139	613.83	1.57	6.53	94.06	1.66
8	CLY	York	00722-4	1,485	7,393	21	4	830,039	558.95	1.52	4.98	112.3	5.24
9	Yorkana	York	00708-4	1,923	8,713	38	2	821,412	427.15	1.5	4.53	94.27	3.94
10	Bath	Easton	00873-3	2,137	3,998	61	0	799,555	374.15	1.46	1.87	200	2
11	Bern Church	Reading	00789-1	1,472	5,103	68	2	790,065	536.73	1.44	3.47	154.8	0.97
12	Shawnee	Stroudsburg	00895-3	3,755	6,823	86	0	776,292	206.74	1.42	1.82	113.8	3.57
13	Gardners	Gettysburg	00752-4	1,387	4,679	62	0	774,676	558.53	1.41	3.37	165.6	3.05
14	Glendon	Easton	00818-3	1,264	2,967	14	2	754,678	597.06	1.38	2.35	254.4	0
15	Flying Hills	Reading	00776-1	1,489	2,581	48	0	737,723	495.45	1.35	1.73	285.8	7.77
16	Mohnton	Reading	00123-1	641	935	12	0	719,989	1,123.23	1.31	1.46	770	1
17	Baldy	Reading	00736-1	708	2,555	27	0	648,248	915.6	1.18	3.61	253.7	9.22
18	Shawnee	Stroudsburg	00860-3	2,969	10,591	63	1	626,748	211.1	1.14	3.57	59.18	6.75
19	Campbelltown	Lebanon	00634-2	1,025	7,650	26	7	614,978	599.98	1.12	7.46	80.39	0
20	South Lebanon	Lebanon	00772-2	1,556	6,203	31	4	610,187	392.15	1.11	3.99	98.37	0
21	Lyons	Reading	00729-1	1,256	1,965	67	0	608,980	484.86	1.11	1.56	309.9	2.02
22	Collins	Lebanon	00761-2	641	2,793	17	2	604,084	942.41	1.1	4.36	216.3	1
23	Frystown	Lebanon	00702-2	1,116	3,671	30	3	585,956	525.05	1.07	3.29	159.6	0.95
24	Ringing Rock	Boyertown	00708-1	2,218	4,192	55	1	571,091	257.48	1.04	1.89	136.2	1
25	Bern Church	Reading	00791-1	666	1,058	24	1	551,709	828.39	1.01	1.59	521.5	2.01
26	West Boyertown	Boyertown	00717-1	1,285	4,339	13	2	539,111	419.54	0.98	3.38	124.3	1.01
27	Angelica	Reading	00129-1	661	1,574	20	1	529,455	800.99	0.97	2.38	336.4	0
28	Frystown	Lebanon	00701-2	1,503	4,669	48	1	524,649	349.07	0.96	3.11	112.4	0
29	Barto	Boyertown	00706-1	2,654	4,219	87	1	512,873	193.25	0.94	1.59	121.6	4.15
30	Swatara Hill	Lebanon	00764-2	1,489	3,525	26	2	497,879	334.37	0.91	2.37	141.2	0

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

Met Ed													
Circuit Rank	Circuit Desc	Substation	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CADI (7)	MAIFI (7)
31	Grantville	Lebanon	00720-2	1,368	3,470	23	2	481,063	351.65	0.88	2.54	138.6	1
32	South Hamburg	Hamburg	00743-1	1,157	3,316	50	2	478,336	413.43	0.87	2.87	144.3	3.38
33	Glades	York	00580-4	1,359	2,386	22	1	461,277	339.42	0.84	1.76	193.33	3.98
34	South Lebanon	Lebanon	00780-2	1,239	3,381	18	1	453,772	366.24	0.83	2.73	134.21	2.82
35	Grantville	Lebanon	00721-2	1,155	3,267	44	2	432,422	374.39	0.79	2.83	132.36	1.00
36	Dillsburg	Dillsburg	00746-4	2,408	3,897	33	1	427,274	177.44	0.78	1.62	109.64	0.00
37	Windsor	York	00795-4	1,030	1,524	56	0	425,701	413.30	0.78	1.48	279.33	0.00
38	N. Bangor	Easton	00826-3	2,625	4,105	66	0	423,259	161.24	0.77	1.56	103.11	1.39

## 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	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Evans City	D611	<i>Performance was driven by two outages, one caused by a non-preventable tree, and one caused by equipment failure both occurring during weather conditions</i>			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			The equipment failure was repaired at the time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Oct-12	
2	Camp Reynolds	W-134	<i>Performance was driven by two outages one caused by a line failure and one caused by a human error non-company</i>			
			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 3 reclosers	Complete	Mar-12	
			Reliability job to replace 1 cutout and make 1 coordination change	Complete	Apr-12	
			9 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		
3	Stoneboro	W-132	<i>Performance was driven by two outages both caused by non-preventable trees with one occurring during weather conditions</i>			
			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	May-12	
			Reliability job to install fuses and replace arrestors	Complete	May-12	
			Protection Review completed on circuit	Complete	May-12	
			Reliability job to install fuses and replace arrestors	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	

Penn Power						
Rank	Substation		Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
4	Canal	W-104	<i>Performance was driven by one outage caused by line failure</i>			4Q 2011 1Q 2012 2Q 2012 3Q 2012
			The failed underground exit wire was converted to overhead at time of restoration	Complete	Dec-11	
5	Mars	D616	<i>Performance was driven by two outages both caused by non-preventable trees during weather conditions</i>			
			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 in 2013		
6	Stoneboro	W-130	<i>Performance was driven by one outage caused by a non-preventable tree</i>			
			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	
7	Hadley	W-195	<i>Performance was driven by one outage caused by a non-preventable tree during weather conditions</i>			
			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	
			Forestry to trim circuit	To be completed in 2013		
8	Union	W-562	<i>Performance was driven by one outage caused by lightning during weather conditions</i>			
			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	
9	Mercer	W-128	<i>Performance was driven by a vehicle caused outage</i>			
			Equipment that was broken due to the vehicle accident was replaced at time of restoration	Complete	Jun-12	

Penn Power						
Rank	Substation		Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Ellywood SVY STR	D590	<i>Performance was driven by one outage caused by a non-preventable tree</i>			
			Problem tree was removed and associated repairs were made at time of restoration	Complete	Apr-11	
			Forestry to trim circuit	Complete	Sep-12	
	Zefenopie	D603	<i>Performance was driven by one outage caused by a non-preventable tree</i>			
			Problem tree was removed and associated repairs were made at time of restoration	Complete	Apr-11	
			Forestry to trim circuit	To be completed in 2012		
	Canal	V-102	<i>Performance was driven by one outage caused by a non-preventable tree during weather conditions</i>			
			Problem tree was removed and associated repairs were made at time of restoration	Complete	May-11	
			Forestry to trim circuit	To be completed in 2012		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Madera	00166-22	<i>Performance was driven by line failure during storm and equipment failure.</i>			2Q 2011
			Full cycle tree clearing	Complete	Oct-11	3Q 2011
			Repair equipment damage	Complete	Nov-11	4Q 2011
			Repair line failure	Complete	May-12	1Q 2012
2	Madera	00167-22	<i>Performance was driven by trees non-preventable and equipment failure during minor storm.</i>			2Q 2012
			Repair equipment damage	Complete	Apr-12	3Q 2012
			Repair tree damage from storm	Complete	May-12	4Q 2012
3	Lucerne	00088-13	<i>Performance was driven by trees non-preventable during storm.</i>			1Q 2012
			Repair tree damage from storm	Complete	May-12	2Q 2012
4	Salix	00070-11	<i>Performance was driven by trees non-preventable and equipment failure during minor storm.</i>			3Q 2011
			2011 circuit inspection	Complete	Jul-11	4Q 2011
			Repair equipment damage	Complete	Oct-11	1Q 2012
			Repair tree damage from storm	Complete	May-12	2Q 2012
5	Bellwood North	00635-22	<i>Performance was driven by line failure during storm.</i>			3Q 2012
			Repair line failure	Complete	May-12	4Q 2012
			Repair line failure	Complete	May-12	1Q 2012
6	Phlipsburg	00162-22	<i>Performance was driven by lightning during minor storm, equipment failure and vehicle.</i>			2Q 2011
			Repair vehicle damage	Complete	Oct-11	4Q 2011
			Repair storm/lightning damage	Complete	May-12	1Q 2012
			Full cycle tree clearing	To be completed 2012		2Q 2012
7	Shawville	00151-21	<i>Performance was driven by trees non-preventable during storm.</i>			3Q 2012
			Repair tree damage during storm	Complete	May-12	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
8	Union City	00206-43	<i>Performance was driven by trees non-preventable during minor storm, lightning and equipment failure.</i>				2Q 2011 3Q 2011 4Q 2011 3Q 2012
			Repair line failure	Complete	May-12		
			Repair equipment damage	Complete	Jun-12		
			Repair tree damage from minor storm	Complete	Jul-12		
			Add additional protection per circuit coordination	To be completed 2012			
			Full cycle tree clearing	To be completed 2012			
9	East Pike	00095-13	<i>Performance was driven by trees non-preventable during minor storm, and equipment failure.</i>				
			Repair tree damage from minor storm	Complete	Jul-12		
			Repair equipment damage	Complete	Sep-12		
10	Warren South	00220-41	<i>Performance was driven by non-preventable tree damage during minor storm, and CPA.</i>				2Q 2011 3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage	Complete	Dec-11		
			Full Cycle Tree Clearing	Complete	Dec-11		
			Repair tree damage from minor storm	Complete	Feb-12		
			Repair damage from CPA	Complete	May-12		
11	Hooversville	00019-12	<i>Performance was driven by trees non-preventable during minor storm.</i>				
			Repair tree damage from minor storm	Complete	Jul-12		
12	Madera	00165-22	<i>Performance was driven by trees non-preventable during storm.</i>				
			Repair tree damage during storm	Complete	Apr-12		
			Repair tree damage during storm	Complete	May-12		
13	Edinboro	00421-34	<i>Performance was driven by trees non-preventable during minor storm.</i>				
			Repair tree damage from minor storm	Complete	Jul-12		
14	Timblin	00103-23	<i>Performance was driven by a car pole accident and trees non-preventable during minor storm.</i>				
			Repair vehicle damage	Complete	Jan-12		
			Repair tree damage	Complete	May-12		
			Repair tree damage during storm	Complete	Jul-12		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
15	Tunkhannock	00533-65	<i>Performance was driven by trees non-preventable and equipment failure during minor storm.</i>			2Q 2011 3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage during storm	Complete	Aug-11	
			Repair equipment damage during storm	Complete	Dec-12	
16	Tower Hill	00580-63	<i>Performance was driven by equipment failure.</i>			
			Repair equipment damage	Complete	Feb-12	
			Repair equipment damage	Complete	Jul-12	
			Upgrade step transformer bank	To be completed 2012		
17	St. Benedict	00057-72	<i>Performance was driven by trees non-preventable and line failure during storm.</i>			
			Repair line failure	Complete	Apr-12	
			Repair tree damage during storm	Complete	May-12	
18	Two Mile	00127-42	<i>Performance was driven by trees non-preventable during storm .</i>			
			Repair tree damage during storm	Complete	Jul-12	
19	Blairsville East	00082-13	<i>Performance was driven by equipment failure and lightning during minor storm.</i>			2Q 2011 3Q 2011 4Q 2011 2Q 2012 3Q 2012
			Repair equipment failure	Complete	Apr-12	
			Repair lightning damage during minor storm	Complete	May-12	
20	Edgewood	00089-13	<i>Performance was driven by equipment failure and an unknown during minor storm and trees non-preventable, line failure, and a car pole accident.</i>			2Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair car pole accident damage	Complete	Nov-11	
			Repair line failure	Complete	Dec-11	
			Repair equipment failure	Complete	Jan-12	
			Repair equipment failure during storm	Complete	May-12	
			Add additional protection per circuit coordination	Complete	Jun-12	
21	Pittsburgh Avenue	00524-31	<i>Performance was driven by lightning damage during storm.</i>			
			Repair lightning damage	Complete	Jul-12	

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
22	Lake Como	00787-65	<i>Performance was driven by trees non-preventable during storm.</i>				3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage during storm	Complete	Oct-11		
			Repair tree damage during storm	Complete	Mar-12		
			Add additional protection per circuit coordination	To be completed 2012			
23	Samuel Rea Car Shop	00031-71	<i>Performance was driven by trees non-preventable during storm.</i>				
			Repair tree damage during storm	Complete	Jul-12		
24	Punxsutawney	00829-23	<i>Performance was driven by trees non-preventable during storm.</i>				
			Repair tree damage during storm	Complete	May-12		
25	Mahaffey	00010-21	<i>Performance was driven by trees non-preventable during minor storm..</i>				
			Repair tree damage during storm	Complete	May-12		
26	Grover	00527-63	<i>Performance was driven by non-preventable trees during minor storms.</i>				2Q 2011 3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage from minor storm	Complete	Apr-12		
			Full cycle tree clearing	Complete	May-11		
			Add additional protection per circuit coordination	Complete	Sep-12		
27	Claysburg	00044-71	<i>Performance was driven by non-preventable trees during minor storms.</i>				
			Repair tree damage from minor storm	Complete	Oct-11		
			Repair tree damage	Complete	Aug-12		
28	Erie South	00259-31	<i>Performance was driven by equipment failure, line failure, and trees non-preventable.</i>				2Q 2011 3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage during storm	Complete	Feb-12		
			Repair equipment damage	Complete	Jun-12		
			Repair line failure	Complete	Sep-12		
			Add additional protection per circuit coordination	To be completed 2012			
29	Marienville	00328-51	<i>Performance was driven by trees non-preventable.</i>				
			Repair tree damage	Complete	Oct-11		
			Repair tree damage	Complete	Jan-12		

<b>Penelag</b>							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
30	DuBois	00124-23	<i>Performance was driven by lightning damage.</i>			Jul-12	
			Reopair lightning damage	Complete			
31	Lake Ccmo	00788-65	<i>Performance was driven by trees non-preventable during storm.</i>				3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage during storm	Complete	Oct-11		
			Repair tree damage during storm	Complete	Mar-12		
			Add additional protection per circuit coordination	To be completed 2012			
32	Philipsburg	00164-22	<i>Performance was driven by trees non-preventable and an unknown during a minor storm.</i>			Dec-11	
			Repair tree damage	Complete			
33	Tiffany	00435-65	<i>Performance was driven by line failure, car pole eccident, and trees non-preventable during storm.</i>				3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair damage due to car pole accident	Complete	Nov-11		
			Repair tree damage during storm	Complete	Dec-11		
			Repair line failure	Complete	Jun-12		
			Add additional protection per circuit coordination	To be completed 2012			
34	Brockville	00123-23	<i>Performance was driven by equipment failure.</i>			Jan-12	
			Repair equipment damage	Complete			
35	Mount Union	00154-82	<i>Performance was driven by trees non-preventable and line failure during minor storm.</i>				
			Repair line failure	Complete	Oct-11		
			Repair tree damage	Complete	Jul-12		
			Add additional protection per circuit coordination	To be completed 2012			
36	Clymer	00110-13	<i>Performance was driven by trees non-preventable and equipment failure during minor storm.</i>			Apr-12 Jul-12	
			Repair tree and equipment failure during storm	Complete			
			Repair tree damage during storm	Complete			
37	Edinboro	00419-34	<i>Performance was driven by trees non-preventable during minor storm.</i>			Jul-12	
			Repair tree damage during storm	Complete			
38	Saxton	00625-73	<i>Performance was driven by line failure and trees non-preventable during minor storm.</i>			Sep-12 Oct-11	
			Repair line failure	Complete			
			Repair tree damage	Complete			
39	Corry East	00440-43	<i>Performance was driven by trees non-preventable, vehicle, and line failure.</i>			Oct-11 Jun-12 Aug-12	
			Repair vehicle damage	Complete			
			Repair line failure	Complete			
			Repair tree damage	Complete			

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
40	Tower Hill	00581-63	<i>Performance was driven by lightning damage, animal contact, and line failure.</i>				
			Repair line failure	Complete	Dec-11		
			Repair damage from animal contact	Complete	Apr-12		
			Repair lightning damage	Complete	May-12		
41	Church	00427-34	<i>Performance was driven by trees non-preventable and damage from animal contact.</i>				
			Repair damage from animal contact	Complete	Oct-11		
			Repair tree damage	Complete	Dec-11		
42	Brookville	00125-23	<i>Performance was driven by trees non-preventable, equipment failure, and line failure.</i>				
			Repair line failure	Complete	Oct-11		
			Repair tree damage	Complete	Aug-12		
43	Thompson	00436-65	<i>Performance was driven by trees non-preventable during storm, animal contact and equipment failure.</i>				
			Repair equipment failure	Complete	May-12	2Q 2011	
			Repair tree damage during storm	Complete	Jul-12	3Q 2011	
			Repair animal contact damage	Complete	Jul-12	4Q 2011	
			Full Cycle Tree Clearing	Complete	Sep-11	1Q 2012	
			Add additional protection per circuit coordination	To be completed 2012		2Q 2012	
			3Q 2012				
44	Curryville	00644-71	<i>Performance was driven by lightning and line failure during minor storm.</i>				
			Repair line failure	Complete	Jul-12		
			Repair lightning failure	Complete	Jun-12		
45	Blairsville East	00080-13	<i>Performance was driven by line failure and equipment failure.</i>				2Q 2011
			Repair equipment failure	Complete	Nov-11	3Q 2011	
			Full Cycle Tree Clearing	Complete	Aug-11	4Q 2011	
			Repair line failure	Complete	Apr-12	1Q 2012	
			2012 Circuit Inspection	Complete	Aug-12	2Q 2012	
			3Q 2012				
46	Portage	00081-72	<i>Performance was driven by non-preventable trees and an unknown during minor storms.</i>				
			Repair tree damage from minor storm	Complete	Apr-12		
			Install additional arresters and fault indicators	To be completed 2012			
47	Crown	00319-51	<i>Performance was driven by line failure, equipment failure, and non-preventable trees during storm.</i>				
			Repair line failure	Complete	Feb-12		
			Repair equipment failure	Complete	Aug-12		
			Repair tree damage	Complete	May-12		

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
48	Thompson	00445-65	<i>Performance was driven by trees non-preventable during storm.</i>			Mar-12	3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage during storm	Complete			
49	Dixonville East	00120-13	<i>Performance was driven by trees non-preventable and equipment failure during storm.</i>			Mar-12 Aug-12	
			Repair equipment failure	Complete			
			Repair tree damage	Complete			
50	Park Plaza	00183-71	<i>Performance was driven by trees non-preventable during storm.</i>			Jul-12	
			Repair tree damage	Complete			
51	Erie East	00234-31	<i>Performance was driven by equipment failure, and vehicle damage.</i>			Jan-12 Sep-12 Oct-12	
			Repair equipment damage	Complete			
			Repair vehicle damage	Complete			
			Add additional protection per circuit coordination	Complete			
52	Oxbow	00555-65	<i>Performance was driven by equipment failure, and car pole accident.</i>			Dec-11 Jun-12 Jun-12	3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair equipment damage	Complete			
			Repair car pole accident damage	Complete			
			2012 Circuit Inspection	Complete			
53	Mansfield	00699-63	<i>Performance was driven by an unknown outage cause.</i>			Apr-12	
			Line patrolled	Complete			
54	Cambridge Springs	00461-52	<i>Performance was driven by trees non-preventable during storm.</i>			Jul-12	
			Repair tree damage during storm	Complete			
55	South Mansfield	00619-63	<i>Performance was driven by line failure, and equipment failure.</i>			Feb-12 Sep-12	
			Repair line failure	Complete			
			Repair equipment damage	Complete			
56	Mildred	00771-62	<i>Performance was driven by trees non-preventable during minor storm and line failure.</i>			Mar-12 Apr-12	3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage during storm	Complete			
			Repair line failure	Complete			
			Add additional protection per circuit coordination	To be completed 2012			
57	Ticonesta	00344-51	<i>Performance was driven by trees non-preventable during storm.</i>			Jun-12 Jun-12	
			Repair tree damage during storm	Complete			
			Repair tree damage during storm	Complete			
58	Lencx	00755-65	<i>Performance was driven by trees non-preventable and equipment failure.</i>			Jun-12 Jan-12	2Q 2011 3Q 2011 4Q 2011 1Q 2012 2Q 2012 3Q 2012
			Repair tree damage	Complete			
			Repair equipment damage	Complete			
59	Glen Campbell	00680-21	<i>Performance was driven by trees non-preventable during minor storm.</i>			May-12	
			Repair tree damage	Complete			

<b>Penelec</b>						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Tiffany	00440-65	<i>Performance was driven by trees non-preventable and an unknown during storm (Hurricane Irene).</i>			
			Repair tree damage during storm	Complete	Aug-11	
			Add additional protection per circuit coordination	To be completed 2012		
			Full cycle tree clearing	To be completed 2012		
	Mansfield	00558-63	<i>Performance was driven by equipment failure and line failure.</i>			2Q 2011 3Q 2011 4Q 2011
			Repair Equipment/line failure	Complete	Feb-11	
			Repair failed equipment	Complete	May-11	
			Add additional protection per circuit coordination	Complete	Aug-12	
			2012 Circuit Inspection	Complete	Aug-12	
			Full cycle tree clearing	To be completed 2012		
	Oakland	00132-65	<i>Performance was driven by trees non-preventable during storm (Hurricane Irene).</i>			
			Repair tree damage during storm	Complete	Aug-11	
			Add additional protection per circuit coordination	To be completed 2012		
	Laurel Lake	00449-65	<i>Performance was driven by trees non-preventable during minor storm, equipment failure, and line failure.</i>			
			Repair line failure	Complete	Jun-11	
			Repair tree damage	Complete	Jul-11	
			Repair equipment damage	Complete	Jan-12	
			Add additional protection per circuit coordination	To be completed 2012		
	Starruca	00744-65	<i>Performance was driven by trees non-preventable during storm.</i>			2Q 2011 3Q 2011 4Q 2011 1Q 2012 2Q 2012
			Repair tree damage from storm (Hurricane Irene)	Complete	Aug-11	
			Repair damage from minor storm	Complete	Oct-11	
			2011 Circuit Inspection	Complete	Nov-11	
			Full cycle tree clearing	Complete	Dec-11	
			Add additional protection per circuit coordination	To be completed 2012		
	Lake Como	00786-65	<i>Performance was driven by trees non-preventable during storm (Hurricane Irene).</i>			3Q 2011 4Q 2011 1Q 2012 2Q 2012
			Repair tree damage during storm	Complete	Aug-11	
			Add additional protection per circuit coordination	To be completed 2012		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Thompson	00442-65	<i>Performance was driven by trees non-preventable during storm (Hurricane Irene).</i>			3Q 2011
			Repair tree damage during storm	Complete	Aug-11	4Q 2011
			Add additional protection per circuit coordination	To be completed 2012		1Q 2012
	Brooklyn	00749-65	<i>Performance was driven by trees non-preventable during storm (Hurricane Irene).</i>			2Q 2012
			Repair tree damage during storm	Complete	Sep-11	3Q 2011
			Add additional protection per circuit coordination	To be completed 2012		4Q 2011
			2012 circuit inspection	To be completed 2012		1Q 2012
	Montrose	00457-65	<i>Performance was driven by trees non-preventable and an unknown during storm (Hurricane Irene).</i>			2Q 2012
			Repair tree damage during storm	Complete	Aug-11	3Q 2011
			Add additional protection per circuit coordination	To be completed 2012		4Q 2011

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Leesport	00811-1	<i>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 (10%)</i>			
			Perform accelerated three phase assessment.	Complete	Apr-11	
			Perform accelerated backbone assessment	Complete	Apr-11	
			Install additional overhead fault indicators	Complete	Oct-11	
			Pole top repair from assessment	Complete	Dec-11	
			Perform accelerated three phase assessment.	Complete	Jan-12	
			Perform accelerated backbone assessment	Complete	Jan-12	
			Comprehensive forestry trim	Complete	Jan-12	
			Replace mainline crossarm from assessment	Complete	Feb-12	
			Replace additional mainline crossarm from assessment	Complete	Apr-12	
			Replace additional mainline crossarm from assessment	Complete	May-12	
			Engineering review for the installation of an additional mainline recloser	To be completed in 2012		
			Replace additional mainline crossarm from assessment	To be completed in 2013		
			Replace mainline crossarm brace from assessment	To be completed in 2013		
Complete comprehensive circuit patrol	To be completed in 2013					
2	Barto	00705-1	<i>Performance was driven by tree-caused outages (57%) and a transmission substation equipment problem (20%)</i>			
			Forestry to perform off cycle patrol and trim	Complete	Apr-11	
			Install two additional mainline reclosers	Complete	Jun-11	
			Install additional fusing three single phase locations	Complete	Dec-11	
			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 forestry trim	Complete	May-12	
			Transmission substation equipment repair	Complete	Jul-12	
			Mainline forestry inspection	Complete	Aug-12	
			Spot forestry inspection	Complete	Sept 12	
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
3	Snydersville	00621-3	<i>minutes.</i>			
			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	To be completed in 2012		
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
4	Birdsboro	00757-1	<i>Performance was driven by trees non-preventable outages (35%), an outage caused by an insulator problem (17%), and an outage caused by a broken crossarm</i>			
			Perform accelerated three phase assessment	Complete	Nov-11	
			Perform accelerated backbone assessment	Complete	Nov-11	
			Install additional mainline fault indicators	Complete	Dec-11	
			Implement proactive every-other-month mainline forestry inspection	Complete	Jan-12	
			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 URD	Complete	Mar-12	
			Proactive every-other-month mainline forestry inspection	Complete	Mar-12	
			Spot mainline tree trimming and removals	Complete	Apr-12	2Q2011
			Proactive every-other-month mainline forestry inspection	Complete	May-12	3Q2011
			Perform accelerated backbone assessment	Complete	May-12	4Q2011
			Replace mainline crossarm from assessment	Complete	May-12	1Q2012
			Spot mainline tree trimming and removals	Complete	Jun-12	2Q2012
			Replace mainline crossarm from assessment	Complete	Jun-12	3Q2012
			Upgrade mainline disconnects to GDAB	Complete	Jun-12	
			Perform accelerated three phase assessment	Complete	Jun-12	
			Engineering review for the installation of an additional mainline recloser	Complete	Jul-12	
			Proactive every-other-month mainline forestry inspection	Complete	Sep-12	
Complete forestry assessment of 3 phase for SAIFI analysis	Complete	Sep-12				
Spot mainline tree trimming and removals	Complete	Oct-12				
Proactive every-other-month mainline forestry inspection	To be completed in 2012					
Replace additional mainline crossarms from assessment	To be completed in 2013					
Complete comprehensive circuit patrol	To be completed in 2013					
5	Shawnee	00899-3	<i>Performance was driven by non-preventable trees, which contributed 51% of circuit minutes, equipment failure which contributed 14% of circuit minutes, and a vehicle accident which contributed 10% of circuit minutes</i>			
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated single phase assessment	Complete	Feb-12	
			Forestry to perform on cycle comprehensive circuit tree trimming	To be completed in 2012		
			Install tap fuse on backbone	To be completed in 2012		
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
6	Mountain	00744-4	<i>Performance was driven by trees at 87% of circuit minutes.</i>			
			Installed new single phase trip and lockout recloser, 74492, identified in SAIFI Analysis	Complete	May-11	
			Installed new single phase trip and lockout recloser, 74472, identified in SAIFI Analysis	Complete	May-11	
			Install fault circuit indicator identified in SAIFI Analysis - 1 location total of 3 fault circuit indicators	Complete	Jun-11	
			Install new 600A disconnect switches identified in SAIFI Analysis	Complete	Oct-11	
			Install new three phase fuses identified in SAIFI Analysis	Complete	Nov-11	2Q2011
			GOAB Inspections (8) identified in SAIFI Analysis	Complete	Nov-11	3Q2012
			Perform accelerated circuit reliability assessment of single phase	Complete	Nov-11	4Q2011
			Perform accelerated circuit reliability assessment of mainline	Complete	Mar-12	1Q2012
			Perform accelerated circuit reliability assessment of three phase	Complete	Mar-12	3Q2012
			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 followup forestry assessment	Complete	Sep-12				
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
7	Birdsboro	00756-1	<i>Performance was driven by trees non-preventable outages (72%).</i>			2Q2011 3Q2011 4Q2011 1Q2012 2Q2012 3Q2012
			Forestry to perform off cycle patrol and trim	Complete	May-11	
			Replace fuses to improve tap coordination	Complete	Jun-11	
			Repair high priority items (riser, crossarm, riser) identified during circuit assessment	Complete	Jul-11	
			Repair additional high priority items (crossarm, insulator) identified during crl assessment	Complete	Nov-11	
			Implement proactive every-other-month mainline forestry inspection	Complete	Jan-12	
			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	To be completed in 2012					
Complete comprehensive circuit patrol	To be completed in 2013					
Upgrade mainline disconnects to GOAB	To be completed in 2013					
8	Cly	00722-4	<i>Circuit performance was driven by tree cause outages (79% of minutes).</i>			
			Perform accelerated circuit reliability assessment of backbone	Complete	Jul-11	
			Perform accelerated circuit reliability assessment of three phase	Complete	Jul-11	
			Perform accelerated circuit reliability assessment of single phase	Complete	Jul-11	
			Forestry to perform on cycle comprehensive circuit Tree Trimming	Complete	Dec-11	
			Install radio controlled switch and radio controlled recloser with fault indicators	Complete	Oct-12	
			Perform accelerated circuit reliability assessment of backbone	To be completed in 2012		
			Perform accelerated circuit reliability assessment of three phase	To be completed in 2012		
Perform mid-cycle forestry patrol	To be completed in 2012					
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
9	Yorkana	00708-4	<i>Circuit performance was driven by vehicle cause outages (67% of minutes).</i>			2Q2011 3Q2011 4Q2011 1Q2012 2Q2012 3Q2012
			Install radio controlled reclosers for sectionatizing.	Complete	Dec-11	
			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	To be completed in 2013					
10	Bath	00873-3	<i>Performance was driven by a vehicle accident on 9/5/12 which contributed 60% of circuit minutes, and non-preventable trees which contributed 20% of minutes.</i>			
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated backbone and three phase circuit assessment	To be complete in 2013		
			Replace porcelain cutouts on circuit backbone with polymer cutouts	To be complete in 2013		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
11	Bern Church	00789-1	<i>Performance was driven by trees non preventable outages (46%), outages caused by wind and lightning (23%), and UG cable problems (8%).</i>			
			Install OH Fault indicators at a three phase sectionalizing location	Complete	Apr-11	
			Install additional mainline tap fuses	Complete	May-11	
			Replace solid blade with sectionalizer	Complete	Jun-11	
			Replace pin insulator on single phase mainline	Complete	Aug-11	
			Perform accelerated backbone assessment	Complete	Sep-11	
			Perform accelerated three phase assessment	Complete	Sep-11	
			Perform accelerated single phase assessment	Complete	Sep-11	
			Create UG loop and replace UG cable in Plum Creek Estates URD	Complete	Dec-11	
			Replace UG Cable in Davis Bridge Road URD	Complete	Jan-12	
			Replace additional UG cable in Plum Creek Estates URD	Complete	Jun-12	
			Spot forestry inspections	Complete	Aug-12	
			Fuse upgrades for tap coordination improvement	Complete	Aug-12	
			Relocate 1ph mainline tap from off-road location to along public roadway	Complete	Sep-12	
Replace additional UG cable in Plum Creek Estates URD	To be completed in 2012					
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
12	Shawnee	00895-3	<i>Performance was driven by non-preventable trees which contributed 70% of circuit minutes, 31% of the tree minutes were from a single storm on 7/3/11.</i>			2Q2011 3Q2011 4Q2011 1Q2012 2Q2012 3Q2012
			Operate and maintain circuit tie switches	Complete	Apr-11	
			Install new electronic recloser	Complete	May-11	
			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	
			Forestry to perform on cycle comprehensive circuit tree trimming	To be completed in 2012		
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
Replace porcelain cutouts on circuit backbone with polymer cutouts	To be completed in 2013					
13	Gardners	00752-4	<i>Performance was driven by trees at 56% of circuit minutes; and a capacitor bank problem at 13% of circuit minutes.</i>			4Q2011 1Q2012 2Q2012 3Q2012
			Forestry to perform on cycle comprehensive circuit tree trim in 2011	Complete	Sep-11	
			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	Complete	Apr-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
14	Glendon	00818-3	<i>Performance was driven by line failure on 7/3/11, which contributed 40% of circuit minutes, and vehicle accident on 12/17/2011 which contributed 48% of circuit</i>			3Q2011 4Q2011 1Q2012 2Q2012 3Q2012
			Perform accelerated backbone and three phase assessment	Complete	Mar-12	
			Reconductor 3 spans of mainline	To be completed in 2012		
			Reconductor 3 spans of mainline	To be completed in 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
15	Flying Hills	00776-1	<i>Performance was driven by two trees non-preventable outages during a severe storm event (41%), an outage caused by a non-company tree crew (16%), and other trees non-preventable outages (15%).</i>			
			Install fault indicators five Locations	Complete	May-11	
			Spot mainline forestry patrol	Complete	Nov-11	
			Spot tree trimming	Complete	Dec-11	
			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	To be completed in 2012		
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
16	Mohnton	00123-1	<i>Performance was driven by a trees non-preventable outage during a severe storm event that included a broken pole (88%).</i>			
			Comprehensive Tree Trimming	Complete	Jun-11	
			Complete comprehensive circuit patrol	Complete	Apr-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
17	Baldy	00736-1	<i>Performance was driven by an outage during a severe storm event where no permanent condition was identified (44%) and trees non-preventable outages (40%).</i>			
			Install mainline fault indicators	Complete	May-11	
			Complete comprehensive circuit patrol	Complete	Oct-11	
			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	To be completed in 2012		
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
18	Shawnee	00860-3	<i>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.</i>			2Q2011 3Q2011 4Q2011 1Q2012 2Q2012 3Q2012
			Correct fuse miscoordinations identified during SAFl analysis	Complete	Apr-11	
			Operate and maintain circuit tie switches	Complete	Jun-11	
			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	
			Install SCADA Controlled Switch	Complete	Sep-12	
			Replace three sets of fault indicators	Complete	Jun-12	
			Repair conditioned items from circuit assessment	To be completed in 2012		
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
Forestry to perform on cycle comprehensive tree trimming	To be completed in 2013					
19	Campbelltown	00634-2	<i>Performance was primarily driven by line failures (63%) and outages of unknown cause (32%)</i>			
			Comprehensive Tree Trimming	Complete	Jun-12	
			Accelerated patrol of circuit backbone and 3 phase	Complete	Aug-12	
			Install fault indicators 2 locations	Complete	Aug-12	
			Replace recloser on circuit backbone	To be completed in 2013		
			Complete Comprehensive Circuit Patrol	To be completed in 2013		
Replace poles at three locations to improve clearance	To be completed in 2013					

Met-Ed	Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
	20	South Lebanon	00772-2	Performance was primarily driven by vehicle accidents (65%), tree caused damage (24%) and forced outages (7%) Perform accelerated backbone and 3 phase circuit assessment Comprehensive Tree Trimming Perform accelerated three phase circuit assessment Perform accelerated backbone assessment Perform accelerated backbone and three phase circuit assessment Replace deteriorated crossarm	Complete Complete Complete Complete To be completed in 2013 To be completed in 2013	Apr-11 Oct-11 Jul-12 Jul-12	
	21	Lyons	00729-1	Performance was driven by trees non-preventable outages (66%), and an outage caused by a fuse holder problem (20%) Install additional mainline tap fuses Perform accelerated backbone assessment Comprehensive Tree Trimming Mainline forestry inspection Complete comprehensive circuit patrol	Complete Complete To be completed in 2012 To be completed in 2012 To be completed in 2013	Mar-12 Aug-12	
	22	Collins	00761-2	Performance was primarily driven by tree caused outages (76%), vehicle caused outages (14%) and equipment failure (5%) Perform accelerated backbone and three phase circuit assessment Comprehensive Tree Trimming Replace deteriorated crossarm Replace deteriorated crossarm	To be completed in 2013 To be completed in 2013 To be completed in 2013 To be completed in 2013		
	23	Frystown	00702-2	Performance was primarily driven by vehicle accidents (56%), lightning damage (28%) and tree caused outages (5%) Review step bank fusing Perform accelerated three phase circuit assessment Replace crossarm and broken insulators Replace deteriorated crossarm Complete comprehensive circuit patrol Replace deteriorated crossarm	Complete Complete Complete To be completed in 2012 To be completed in 2013 To be completed in 2013	Apr-12 Jun-12 Jun-12	
	24	Ringin Rocks	00708-1	Performance was driven by a vehicle accident (52%), and trees non-preventable outages (17%) Install additional mainline fault indicators Perform accelerated three phase assessment Perform accelerated backbone assessment Perform engineering SAIFI improvement study Install additional 1PH mainline tap fuses Install additional mainline recloser Complete accelerated backbone and three phase assessment for SAIFI analysis Install additional mainline tap fuses Complete forestry assessment of 3 phase for SAIFI analysis Perform accelerated backbone and three phase circuit assessment Comprehensive Tree Trimming	Complete Complete Complete Complete Complete Complete Complete Complete To be completed in 2012 To be completed in 2013 To be completed in 2013	Jun-11 Nov-11 Nov-11 Dec-11 Jan-12 Mar-12 Jun-12 Aug-12	2Q2011 4Q2011 1Q2012 2Q2012 3Q2012
	25	Bern Church	00791-1	Performance was driven by two outages during a severe weather event caused by wind and a tree (88%) Replace mainline crossarm from assessment Install additional mainline tap fuses Spot forestry inspection Perform accelerated backbone and three phase circuit assessment	Complete Complete Complete To be completed in 2013	Oct-11 Jun-12 Aug-12	

Met-Ed	Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
	26	West Boyertown	00717-1	<i>Performance was driven by two trees non-preventable outages (75%)</i>			
Complete comprehensive circuit patrol				Complete	Jun-11		
Perform accelerated backbone and three phase assessment				Complete	Jul-12		
Comprehensive Tree Trimming				To be completed in 2012			
Perform accelerated backbone and three phase circuit assessment				To be completed in 2013			
	27	Angelica	00129-1	<i>Performance was driven by trees non-preventable outages (52%), and an outage caused by lightning during a severe storm event (29%).</i>			
Comprehensive Tree Trimming				Complete	Aug-11		
Spot forestry patrol				Complete	Nov-11		
Spot tree trimming				Complete	Dec-11		
Complete comprehensive circuit patrol				Complete	May-12		
	28	Frystown	00701-2	<i>Performance was primarily driven by equipment failure (55%), tree caused damage (20%) and line failure (17%)</i>			
Complete comprehensive circuit patrol				To be completed in 2013			
Replace insulators on 3 phase - 1 location				To be completed in 2013			
	29	Barlo	00706-1	<i>Performance was driven by a transmission substation equipment problem (42%) and two outages during a severe weather event caused by trees (32%)</i>			
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		
	30	Swatara Hill	00764-2	<i>Performance was primarily driven by vehicle accidents (55%), outages of unknown origins, equipment failure (14%) and line failures (8%)</i>			
Perform accelerated backbone and 3 phase circuit assessment				Complete	May-12		
Replace deteriorated crossarm				To be completed in 2012			
Replace deteriorated crossarm				To be completed in 2012			
Perform accelerated backbone and three phase circuit assessment				To be completed in 2013			
	31	Grantville	00720-2	<i>Performance was primarily driven by tree caused damage (36%), equipment damage (35%), a scissor lift contacting the line (16%) and a line failure (8%)</i>			
Comprehensive Tree Trimming				To be completed in 2013			
Perform accelerated backbone and three phase circuit assessment				To be completed in 2013			
	32	South Hamburg	00743-1	<i>Performance was driven by trees non-preventable outages (38%), and two outages caused by crossarm problems (34%).</i>			
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				To be completed in 2012			
	33	Glades	00580-4	<i>Performance was driven by one outage caused by customer equipment failure (64% of minutes).</i>			
Install additional fuse on the circuit				Complete	Feb-12		
Install an additional main line recloser.				Complete	May-12		
Perform accelerated circuit reliability assessment of backbone				Complete	Aug-12		
Perform accelerated circuit reliability assessment of three phase				Complete	Aug-12		
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013						

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
34	South Lebanon	00780-2	Performance was primarily driven by an outage of unknown origin (74%), tree caused outages (20%) and conductor failure (5%)			
			Perform accelerated backbone and 3 phase circuit assessment	Complete	Apr-11	
			Comprehensive Tree Trimming	Complete	Oct-11	
			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 in 2013		
Install fault indicators 2 locations	To be completed in 2013					
35	Grantville	00721-2	Performance was primarily driven by tree caused outages (70%), equipment failure (14%) and even caused outages (8%)			
			Perform accelerated backbone and three phase assessment	Complete	Jul-11	
			Perform accelerated backbone assessment	Complete	Jul-12	
			Perform accelerated three phase circuit assessment	Complete	Jul-12	
			Correct 4 coordination issues	Complete	Oct-12	
			Relocate recloser 72132	To be completed in 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
Comprehensive Tree Trimming	To be completed in 2013					
36	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%.			
			Upgraded existing 300A disconnects to new 600A disconnect switches	Complete	May-11	
			Installed new single phase trip and lockout recloser identified in SAIFI Analysis	Complete	Jun-11	
			GOAB Inspections identified in SAIFI Analysis	Complete	Jul-11	
			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	To be completed in 2012		
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
37	Windsor	00795-4	Performance was driven by tree cause outages (78% of minutes)			2Q2011 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	
			Forestry to perform on cycle comprehensive circuit Tree Trimming	To be completed in 2012		
Complete Comprehensive Circuit Patrol	To be completed in 2013					
38	N. Bangor	00826-3	Performance was driven by non-preventable trees which contributed 47% of circuit minutes, 23% of which were from one storm on 7/26/12.			2Q2011 3Q2011 4Q2011 3Q2012
			Perform in depth inspection of backbone fuses	Complete	Apr-11	
			Operate and maintain circuit tie switches	Complete	May-11	
			Install new electronic recloser	Complete	Jun-11	
			Replace current limiting fuses on step transformers	Complete	Sep-11	
			Install Sectionalizer	Complete	Oct-11	
			Perform accelerated backbone and three phase assessment	Complete	Mar-12	
			Forestry to perform mid-cycle inspection	To be completed in 2012		
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
	Bermville	00786-1	Performance was driven by two outages related to a vehicle accident (84%).			
			Install 3PH mainline fault indicators 2 locations	Complete	May-11	
			Replace mainline recloser and move it to a more effective location	Complete	Sept-11	
			Install additional mainline recloser	Complete	Dec-11	
			Perform engineering SAIFI improvement study	Complete	Dec-11	
			Install additional mainline tap fusing	Complete	Dec-11	
			Perform accelerated backbone assessment	Complete	Jan-12	2Q2011
			Replace mainline porcelain cutouts with polymer cutouts	Complete	Mar-12	3Q2011
			Complete forestry assessment of 3 phase for SAIFI analysis	Complete	Mar-12	4Q2011
			Replace mainline crossarm from backbone assessment	Complete	Apr-12	1Q2012
			Replace additional mainline porcelain cutouts with polymer cutouts	Complete	Apr-12	
			Install additional mainline recloser	Complete	May-12	
			Install additional mainline tap fusing	To be completed in 2012		
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
			Comprehensive Tree Trimming	To be completed in 2013		
	Bermville	00787-1	Performance was driven by trees non-preventable outages (70%)			
			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	3Q2011
			Complete comprehensive circuit patrol	Complete	Apr-12	4Q2011
			Replace crossarms from circuit assessment	Complete	Apr-12	1Q2012
					Jun-12	2Q2012
			Replace batteries on mainline reclosers	Complete		
			Replace arresters on mainline recloser	To be completed in 2012		
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
			Comprehensive Tree Trimming	To be completed in 2013		
	Lynnville	00737-1	Performance was driven by trees non-preventable outages (68%)			
			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	3Q2011
			Perform accelerated backbone assessment	Complete	Dec-11	4Q2011
			Install OH Fault indicators at 9 Locations	Complete	Dec-11	1Q2012
			Replace mainline recloser battery	Complete	May-12	2Q2012
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Perform accelerated backbone and three phase assessment	To be completed in 2013		
			Comprehensive Tree Trimming	To be completed in 2013		
	Yoe	00559-4	Performance was driven by line failure cause outages (82% of minutes)			
			Perform mid-cycle forestry patrol	Complete	Oct-11	
			Perform Accelerated backbone and three phase assessment	Complete	Dec-11	2Q2011
			Perform accelerated circuit reliability assessment of backbone	Complete	May-12	3Q2011
			Perform accelerated circuit reliability assessment of three phase	complete	May-12	4Q2011
			Perform mid-cycle forestry patrol	complete	Aug-12	1Q2012
			Replace/Repair high priority items identified during circuit patrol	To be completed in 2012		
			Complete comprehensive circuit patrol	To be completed in 2013		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
	Windsor	00796-4	<i>Circuit performance was driven by non-preventable tree cause outages (43% of minutes) and one vehicle cause outage (26% of minutes)</i> Perform Accelerated backbone and three phase assessment Install additional fusing on the circuit Perform accelerated circuit reliability assessment of backbone Perform accelerated circuit reliability assessment of three phase Install additional fuse on the circuit Forestry to perform on cycle comprehensive circuit Tree Trimming Complete comprehensive circuit patrol	Complete Complete Complete Complete Complete To be completed in 2012 To be completed in 2013	Dec-11 Mar-12 May-12 May-12 Mar-12	3Q2011 4Q2011 1Q2012 2Q2012
	Swatara Hill	00763-2	<i>Performance was primarily driven by equipment failures (46%) and lightning damage (34%)</i> Replace recloser along Steinruck Road Correct 3 coordination issues Install regulators along Roundtop Road Install additional disconnect switches Install fault indicators 4 locations Perform accelerated backbone assessment Repair broken insulator on three phase Accelerated circuit assessment 3 phase Balance load beyond recloser 76342 Perform accelerated backbone and three phase circuit assessment	Complete Complete Complete Complete Complete Complete Complete Complete Complete To be completed in 2013	Jan-11 Mar-11 Jul-11 Dec-11 Dec-11 Apr-12 Jul-12 Apr-12 Sep-12	2Q2011 3Q2011 4Q2011 1Q2012
	North Lebanon	00715-2	<i>Performance was primarily driven by wind caused damage (62%) and vehicle accidents (32%)</i> Install fault indicators 4 locations Replace deteriorated crossarm Replace deteriorated crossarm Forestry Patrol of Backbone and all of Three-Phase beyond recloser 71512 Perform accelerated backbone and 3 phase circuit assessment Perform accelerated backbone and three phase circuit assessment Comprehensive Tree Trimming	Complete Complete Complete Complete Complete To be completed in 2013 To be completed in 2013	Sep-11 Feb-12 Mar-12 Mar-12 Jun-12	3Q2011 4Q2011 1Q2012 2Q2012
	Annville	00744-2	<i>Performance was primarily driven by conductor failure (75%) and equipment failure (23%)</i> Accelerated circuit assessment 3 phase Perform accelerated backbone assessment Comprehensive Tree Trimming Perform accelerated backbone and 3 phase circuit assessment Install Fault Indicators 5 locations Replace arresters at Switch 74469 Replace Switch 74466 Complete Comprehensive Circuit Patrol	Complete Complete Complete Complete Complete Complete Complete To be completed in 2013	May-11 May-11 May-11 Jun-12 Jul-12 Sep-12 Sep-12	3Q2011 4Q2011 1Q2012 2Q2012
	Dillsburg	00749-4	<i>Performance was driven by trees at 79% of circuit minutes. (One tree related outage accounted for 68% of the circuit's minutes)</i> Perform accelerated circuit reliability assessment of three phase - Post Storm Perform accelerated circuit reliability assessment of mainline - Post Storm Forestry to perform on cycle comprehensive circuit Tree Trim in 2010 Perform accelerated circuit reliability assessment of mainline - Regulatory Required 2011 Perform accelerated circuit reliability assessment of three phase - Regulatory Required 2011 Perform accelerated circuit reliability assessment of single phase - Regulatory Required 2011 Install a total of 6 FCI at 2 locations on the circuit Perform SAIFI analysis initiative study Replace/Repair high priority items identified during circuit patrol Perform accelerated circuit reliability assessment of mainline Perform accelerated circuit reliability assessment of three phase Replace/Repair high priority item identified during circuit patrol Perform accelerated backbone and three phase circuit assessment	Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete To be completed in 2012 To be completed in 2013	Jun-10 Jun-10 Sep-10 Jul-11 Aug-11 Aug-11 Nov-11 Dec-11 Mar-12 May-12 May-12	3Q2011 4Q2011 1Q2012 2Q2012



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Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Remedial Work Completed	Appeared in 4 of 6 Quarters
	Fox Hill	00816-3	<i>Performance was driven by non-preventable trees which contributed 82% of circuit minutes.</i>			1Q2011 2Q2011 3Q2011 4Q2011 1Q2012 2Q2012
			Perform SAIFI analysis initiative study	Complete	Jan-11	
			Perform accelerated backbone and three phase assessment	Complete	Mar-11	
			Forestry to perform off cycle patrol and trim	Complete	Apr-11	
			Replace current limiting fuses on step transformers	Complete	Mar-11	
			Install Fault indicators	Complete	Mar-11	
			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	
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Apr-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
	Shawnee	00822-3	<i>Performance was driven by equipment failure on 2/25/12 which contributed 52% of circuit minutes.</i>			2Q2011 3Q2011 4Q2011 1Q2012
			Perform SAIFI analysis initiative study	Complete	Jan-11	
			Perform accelerated backbone and three phase assessment	Complete	Mar-11	
			Replace current limiting fuses on step transformers	Complete	Apr-11	
			Repair critical items identified from circuit patrol	Complete	Mar-11	
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Jan-12	
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Install Fault Indicators	Complete	Mar-12	
			Replace 3 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 in 2013				
	Shawnee	00837-3	<i>Performance was driven by non-preventable trees, with 63% of circuit minutes due to single storm on 7/7/11.</i>			3Q2011 4Q2011 1Q2012 2Q2012
			Perform accelerated three phase assessment	Complete	Apr-11	
			Install telemetered fault indicators on radio controlled switch	Complete	Nov-11	
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Jan-12	
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
	Complete Comprehensive Circuit Patrol	To be completed in 2013				

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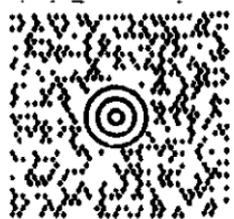
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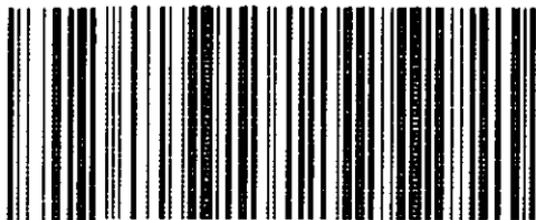
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