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April 30, 2013

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APR 30 2013

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

VIA UNITED PARCEL SERVICE

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

**Re: Joint 1st Quarter 2013 Reliability Report – Metropolitan Edison Company,  
Pennsylvania Electric Company and Pennsylvania Power Company – Public  
Version**

L-00030161

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of Metropolitan Edison Company, Pennsylvania Electric Company and Pennsylvania Power Company (collectively, the “Companies”) are two copies of the Joint 1st Quarter 2013 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

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

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU



## Joint 2013 1<sup>st</sup> Quarter Reliability Report

Pennsylvania Power Company,  
Pennsylvania Electric Company and  
Metropolitan Edison Company

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

**Joint 1<sup>st</sup> Quarter 2013 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*

The Companies did not experience any major events during the reporting period ending March 31, 2013.

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

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

*Reliability Index Values*

1Q 2013: (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	1.10	1.26	1.52	1.42	1.15	1.38	1.37
CAIDI	101	121	113	117	141	137	117	140	115
SAIDI	113	162	125	148	213	194	135	194	157
MAIFI			0.93			4.33			2.20
Customers Served <sup>2</sup>	157,713			582,846			548,487		
Number of Sustained Interruptions	3,218			11,176			9,018		
Customers Affected	174,266			829,952			750,091		
Customer Minutes	19,639,236			113,337,313			86,382,048		

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

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

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

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

*Worst Performing Circuits – Remedial Actions*

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

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

### Outages by Cause

#### Outages by Cause – Penn Power

Outages by Cause				
1st Quarter 2013 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
TREES/NOT PREVENTABLE	7,023,121	710	28,428	22.06%
LIGHTNING	2,907,219	623	16,460	19.36%
ANIMAL	907,213	454	17,330	14.11%
BIRD	294,272	331	3,668	10.29%
EQUIPMENT FAILURE	2,215,982	327	28,077	10.16%
LINE FAILURE	2,529,719	292	19,356	9.07%
OVERLOAD	326,714	92	4,998	2.86%
VEHICLE	944,841	77	9,105	2.39%
UNKNOWN	257,919	63	2,701	1.96%
PREVIOUS LIGHTNING	31,943	60	237	1.86%
FORCED OUTAGE	644,446	54	8,273	1.68%
HUMAN ERROR -NON-COMPANY	230,900	37	1,385	1.15%
HUMAN ERROR - COMPANY	678,312	35	28,988	1.09%
TREES/PREVENTABLE	74,585	24	871	0.75%
CUSTOMER EQUIPMENT	427,632	11	2,893	0.34%
UG DIG-UP	22,051	8	212	0.25%
OBJECT CONTACT WITH LINE	51,280	7	422	0.22%
CONTAMINATION	6,931	4	43	0.12%
FIRE	58,539	4	799	0.12%
VANDALISM	503	2	2	0.06%
WIND	4,478	2	14	0.06%
OTHER ELECTRIC UTILITY	636	1	4	0.03%
<b>TOTAL</b>	<b>19,639,236</b>	<b>3,218</b>	<b>174,266</b>	<b>100.00%</b>

## Proposed Solutions – Penn Power

### Trees/Not-Preventable

Forestry Services reviews the “Trees/Not-Preventable” outages to see if there has been a high frequency of occurrences on the circuit. A patrol of the circuit is conducted to identify trees that need to be trimmed or removed to avoid future outages. In addition, line and forestry personnel patrol for danger/priority trees as part of their daily work routine. The danger/priority tree program identifies off right-of-way trees that present a hazard to power lines. Under this program all circuits that have had “Trees 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 condition items 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

<b>Outages by Cause</b>				
<b>1st Quarter 2013 12-Month Rolling</b>	<b>Penelec</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Number of Outages</b>
EQUIPMENT FAILURE	24,120,736	2,957	224,125	26.46%
UNKNOWN	11,585,530	2,002	114,541	17.91%
TREES/NOT PREVENTABLE	40,063,810	1,749	158,719	15.65%
ANIMAL	2,156,726	1,119	31,397	10.01%
LINE FAILURE	14,369,734	827	99,840	7.40%
FORCED OUTAGE	3,790,594	590	35,627	5.28%
LIGHTNING	5,333,330	511	38,373	4.57%
VEHICLE	5,534,057	348	38,752	3.11%
BIRD	857,012	256	6,162	2.29%
HUMAN ERROR - COMPANY	411,496	188	11,737	1.68%
CUSTOMER EQUIPMENT	1,087,645	115	32,840	1.03%
OVERLOAD	588,286	89	5,737	0.80%
HUMAN ERROR -NON-COMPANY	321,044	87	5,150	0.78%
OTHER ELECTRIC UTILITY	258,275	66	1,453	0.59%
PREVIOUS LIGHTNING	84,177	57	343	0.51%
TREES/PREVENTABLE	141,770	55	535	0.49%
UG DIG-UP	100,290	49	509	0.44%
CONTAMINATION	1,032,763	25	13,888	0.22%
ICE	113,101	24	252	0.21%
OBJECT CONTACT WITH LINE	202,730	23	1,319	0.21%
VANDALISM	770,888	19	3,584	0.17%
FIRE	87,904	9	759	0.08%
OTHER UTILITY-NON ELEC	277,401	5	238	0.04%
SWITCHING ERROR	44,770	4	4,070	0.04%
WIND	3,244	2	2	0.02%
<b>Total</b>	<b>113,337,313</b>	<b>11,176</b>	<b>829,952</b>	<b>100.00%</b>

## Proposed Solutions – Penelec

### Equipment Failure

Porcelain cutout failures represent approximately one-third of the equipment failure outages in Penelec's territory. To address this cause, Penelec has been replacing porcelain cutouts with polymer cutouts on the main feed three-phase backbone of circuits since 2009.

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 three-phase backbone system is currently inspected on a five-year cycle. Off-cycle inspections are performed based on circuit performance and may include infrared scanning to assist in identification of potential equipment problems.

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

### Unknown

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

### Trees/Not-Preventable

Forestry Services reviews the "Trees/Not-Preventable" outages to see if there has been a high frequency of occurrences on the circuit. A patrol of the circuit is conducted to identify dead or diseased trees that need to be trimmed or removed to avoid future outages. In addition, line and forestry personnel patrol for danger/priority trees as part of their daily work routine. The danger/priority tree inspections identify off right-of-way trees that present a hazard to power lines. Circuits are then prioritized by customer minutes due to "Trees/Not-Preventable" outages. A patrol of the entire circuit is performed and Forestry Services works with private property owners to remove any potentially dangerous tree conditions. This practice has been adopted as part of the Company's normal tree trimming maintenance program.

Outages by Cause – Met-Ed

<b>Outages by Cause</b>				
<b>1st Quarter 2013 12-Month Rolling</b>	<b>Met-Ed</b>			
<b>Cause</b>	<b>Customer Minutes</b>	<b>Number of Sustained Interruptions</b>	<b>Customers Affected</b>	<b>% Based on Number of Outages</b>
TREES/NOT PREVENTABLE	32,807,250	2,033	182,900	22.54%
EQUIPMENT FAILURE	16,635,961	1,963	183,289	21.77%
UNKNOWN	7,574,471	1,237	102,302	13.72%
ANIMAL	1,301,764	1,080	13,994	11.98%
LIGHTNING	6,257,317	829	41,316	9.19%
LINE FAILURE	6,075,979	575	45,388	6.38%
FORCED OUTAGE	3,683,518	323	71,015	3.58%
VEHICLE	5,548,468	274	38,409	3.04%
BIRD	171,250	173	3,906	1.92%
TREES/PREVENTABLE	1,744,786	141	12,750	1.56%
OVERLOAD	942,989	70	10,637	0.78%
PREVIOUS LIGHTNING	129,220	64	701	0.71%
HUMAN ERROR -NON-COMPANY	868,463	61	6,345	0.68%
HUMAN ERROR - COMPANY	309,770	57	20,750	0.63%
UG DIG-UP	71,286	32	315	0.35%
OBJECT CONTACT WITH LINE	562,198	28	6,227	0.31%
WIND	1,030,244	24	2,213	0.27%
CUSTOMER EQUIPMENT	432,632	22	2,174	0.24%
VANDALISM	5,422	11	41	0.12%
OTHER ELECTRIC UTILITY	107,588	9	4,532	0.10%
FIRE	78,997	7	459	0.08%
OTHER UTILITY-NON ELEC	42,364	4	427	0.04%
CONTAMINATION	111	1	1	0.01%
<b>TOTAL</b>	<b>86,382,048</b>	<b>9,018</b>	<b>750,091</b>	<b>100.00%</b>

## Proposed Solutions – Met-Ed

### Trees/Not-Preventable

Forestry Services reviews areas where “Trees/Not-Preventable” outages occur to see if there has been a high frequency of occurrence. A patrol of the circuit is conducted to identify trees that need to be trimmed or removed to avoid future outages. In addition, line and forestry personnel patrol for danger/priority trees as part of their daily work routine. The danger/priority tree program identifies off right-of-way trees that present a hazard to power lines.

Under the danger/priority tree program, circuits identified by the Engineering Department that have had “Trees/Not-Preventable” caused outages are prioritized based on customer outage minutes. A patrol of the three-phase backbone of each circuit is performed and foresters identify any potentially dangerous tree conditions. If the tree cannot be removed, overhang at the location is removed.

### Equipment Failure

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

### Unknown

Outage-by-cause analysis is one of the tools used to analyze and develop circuit and system reliability improvement plans. During the investigation of an outage, if the troubleshooter cannot accurately identify the cause of an outage, that outage is coded with an unknown cause. To limit the number of unknown outages and to identify the outage cause, troubleshooters are directed to continue to patrol a circuit even after service has been restored, as long as those patrols will not interfere with restoration of other customers. Significant unknown outages are reviewed by reliability engineering, with post outage circuit inspections being completed as needed 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 2013		Penn Power			Penelec			Met-Ed		
		Planned	Completed		Planned	Completed		Planned	Completed	
		Annual	1Q	YTD	Annual	1Q	YTD	Annual	1Q	YTD
Forestry	Transmission (Miles)	77.97	0	0	422.30	43.15	43.15	395.17	84.59	84.59
	Distribution (Miles)	1,183	352	352	4,636	978	978	2,837	518	518
Transmission	Aerial Patrols	2	0	0	2	0	0	2	0	0
	Groundline	0	0	0	1,268	0	0	0	0	0
Substation	General Inspections	924	231	231	4,895	1,223	1,223	2,592	648	648
	Transformers	126	52	52	687	441	441	326	75	75
	Breakers	47	6	6	310	123	123	147	13	13
	Relay Schemes	40	1	1	189	59	59	321	61	61
Distribution	Capacitors	1,009	1,009	1,009	8,677	8,677	8,677	4,691	4,691	4,691
	Poles	10,900	0	0	41,111	9,071	9,071	31,159	13,865	13,865
	Reclosers	773	177	177	2,568	0	0	1,033	199	199
	Radio-Controlled Switches	Penn Power has no radio-controlled switches			2,294	167	167	130	0	0

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

Section 57.195(e)(7): Quarterly and year-to-date information on budgeted versus actual transmission and distribution operation and maintenance expenditures in total and detailed by the EDC's own functional account code as available. (For first, second and third quarter reports only).

*Budgeted vs. Actual T&D Operation & Maintenance Expenditures<sup>3</sup>*

<b>Penn Power</b>					
T&D O&M - 1Q/YTD March 2013					
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget
<b>Transmission</b>					
560 Operation Supervision & Engineering	(1)	0	(1)	0	0
561 Load Dispatching	41,503	22,404	41,503	22,404	89,615
565 Transmission of Electricity by Others	1,984,989	3,098,132	1,984,989	3,098,132	12,503,411
566 Miscellaneous Transmission Expenses	9,290	42,553	9,290	42,553	172,213
568 Maintenance Supervision & Engineering	2,417	-504	2,417	(504)	(2,405)
569 Maintenance of Structures	5,451	16,610	5,451	16,610	68,502
570 Maintenance of Station Equipment	693	1,202	693	1,202	4,628
571 Maintenance of Overhead Lines	25,931	3,165	25,931	3,165	14,222
573 Maintenance of Miscellaneous Transmission Plant	(1,354)	2	(1,354)	2	7
575 Market Administration, Monitoring & Compliance Services	7,746	5,750	7,746	5,750	23,000
<b>Transmission Total</b>	<b>2,076,663</b>	<b>3,189,313</b>	<b>2,076,663</b>	<b>3,189,313</b>	<b>12,873,193</b>
<b>Distribution</b>					
580 Operation Supervision & Engineering	(2,660)	0	(2,660)	0	81,257
582 Station Expenses	2,385	15,651	2,385	15,651	63,940
584 Underground Line Expenses	32,479	72,853	32,479	72,853	279,703
586 Meter Expenses	21,045	28,743	21,045	28,743	108,157
588 Miscellaneous Distribution Expenses	285,005	197,864	285,005	197,864	1,007,020
589 Rents	93,631	84,833	93,631	84,833	342,528
590 Maintenance Supervision & Engineering	28,400	11,797	28,400	11,797	39,663
592 Maintenance of Station Equipment	188,809	28,364	188,809	28,364	110,396
593 Maintenance of Overhead Lines	1,915,806	1,362,078	1,915,806	1,362,078	5,178,051
594 Maintenance of Underground Lines	241,356	0	241,356	0	0
596 Maintenance of Street Lighting & Signal Systems	146,842	86,457	146,842	86,457	305,675
597 Maintenance of Meters	155,724	129,931	155,724	129,931	505,111
598 Maintenance of Miscellaneous Distribution Plant	48,120	94,929	48,120	94,929	390,604
<b>Distribution Total</b>	<b>3,156,941</b>	<b>2,113,498</b>	<b>3,156,941</b>	<b>2,113,498</b>	<b>8,412,104</b>
<b>PennPower Grand Total</b>	<b>5,233,603</b>	<b>5,302,811</b>	<b>5,233,603</b>	<b>5,302,811</b>	<b>21,285,297</b>

<sup>3</sup> Budgets are subject to change

<b>Penelec</b>						
T&D O&M - 1Q YTD March 2013						
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget	
<b>Transmission</b>						
560	Operation Supervision & Engineering	6,234	6,757	6,234	6,757	69,161
561	Load Dispatching	185,087	168,191	185,087	168,191	656,152
562	Station Expenses	(11,796)	0	(11,796)	0	0
563	Overhead Lines Expenses	260,147	276,436	260,147	276,436	355,919
565	Transmission of Electricity by Others	421,372	370,336	421,372	370,336	6,376,335
566	Miscellaneous Transmission Expenses	121,030	350,206	121,030	350,206	1,387,159
567	Rents	651,591	646,343	651,591	646,343	2,566,332
568	Maintenance Supervision & Engineering	76,618	34,492	76,618	34,492	122,011
569	Maintenance of Structures	86,159	79,166	86,159	79,166	326,047
570	Maintenance of Station Equipment	343,899	105,775	343,899	105,775	410,675
571	Maintenance of Overhead Lines	1,356,898	790,201	1,356,898	790,201	3,198,069
572	Transmission-Maintenance Of Underground Lines	346	0	346	0	0
573	Maintenance of Miscellaneous Transmission Plant	27,055	1	27,055	1	5
575	Market Administration, Monitoring & Compliance Services	18,070	15,150	18,070	15,150	60,602
<b>Transmission Total</b>		<b>3,542,710</b>	<b>2,843,055</b>	<b>3,542,710</b>	<b>2,843,055</b>	<b>15,528,467</b>
<b>Distribution</b>						
580	Operation Supervision & Engineering	67,314	53,165	67,314	53,165	541,782
581	Load Dispatching	100,039	106,760	100,039	106,760	410,428
582	Station Expenses	27,676	0	27,676	0	0
583	Overhead Line Expenses	11,603	15,163	11,603	15,163	62,112
584	Underground Line Expenses	132,412	216,245	132,412	216,245	864,979
585	Distribution-Street Lighting & Signal System Expenses	(655)	0	(655)	0	0
586	Meter Expenses	155,481	166,389	155,481	166,389	629,820
588	Miscellaneous Distribution Expenses	1,482,818	707,752	1,482,818	707,752	3,747,334
589	Rents	221,845	402,459	221,845	402,459	1,616,266
590	Maintenance Supervision & Engineering	134,439	57,350	134,439	57,350	195,781
592	Maintenance of Station Equipment	869,156	1,396,890	869,156	1,396,890	5,547,134
593	Maintenance of Overhead Lines	4,219,380	3,029,025	4,219,380	3,029,025	13,777,742
594	Maintenance of Underground Lines	366,620	769	366,620	769	2,858
596	Maintenance of Street Lighting & Signal Systems	237,671	592,541	237,671	592,541	2,329,580
597	Maintenance of Meters	408,090	499,070	408,090	499,070	2,015,938
598	Maintenance of Miscellaneous Distribution Plant	626,570	450,951	626,570	450,951	1,861,456
<b>Distribution Total</b>		<b>9,060,458</b>	<b>7,694,529</b>	<b>9,060,458</b>	<b>7,694,529</b>	<b>33,603,210</b>
<b>Penelec Grand Total</b>		<b>12,603,168</b>	<b>10,537,584</b>	<b>12,603,168</b>	<b>10,537,584</b>	<b>49,131,677</b>

<b>Met-Ed</b>						
T&D O&M 10YTD March 2013						
Category	Q1 Actuals	Q1 Budget	Q1 YTD Actuals	Q1 YTD Budget	Annual Budget	
<b>Transmission</b>						
560	Operation Supervision & Engineering	5,409	6,023	5,409	6,023	58,774
561	Load Dispatching	457,998	568,608	457,998	568,608	2,196,993
562	Station Expenses	14,968	0	14,968	0	0
563	Overhead Lines Expenses	4,201	5,775	4,201	5,775	24,767
565	Transmission of Electricity by Others	535,757	669,814	535,757	669,814	7,567,268
566	Miscellaneous Transmission Expenses	119,044	383,704	119,044	383,704	1,539,734
567	Rents	67,569	73,062	67,569	73,062	292,248
568	Maintenance Supervision & Engineering	67,236	30,491	67,236	30,491	108,178
569	Maintenance of Structures	75,763	71,208	75,763	71,208	293,263
570	Maintenance of Station Equipment	324,773	548,996	324,773	548,996	1,829,093
571	Maintenance of Overhead Lines	1,556,270	762,913	1,556,270	762,913	3,051,933
573	Maintenance of Miscellaneous Transmission Plant	12,889	6,331	12,889	6,331	7,170
575	Market Administration, Monitoring & Compliance Services	18,121	18,809	18,121	18,809	75,235
<b>Transmission Total</b>		<b>3,259,998</b>	<b>3,145,735</b>	<b>3,259,998</b>	<b>3,145,735</b>	<b>17,044,657</b>
<b>Distribution</b>						
580	Operation Supervision & Engineering	12,227	15,685	12,227	15,685	418,679
581	Load Dispatching	71,016	84,664	71,016	84,664	333,270
582	Station Expenses	92,058	284,398	92,058	284,398	1,518,279
583	Overhead Line Expenses	10,081	230,200	10,081	230,200	319,448
584	Underground Line Expenses	(3,857)	147,783	(3,857)	147,783	591,130
586	Meter Expenses	146,602	133,352	146,602	133,352	529,568
588	Miscellaneous Distribution Expenses	1,276,022	(735,445)	1,276,022	(735,445)	(1,707,739)
589	Rents	154,360	130,433	154,360	130,433	521,731
590	Maintenance Supervision & Engineering	120,487	51,354	120,487	51,354	175,141
591	Maintenance of Structures	4,078	3,734	4,078	3,734	15,607
592	Maintenance of Station Equipment	638,620	793,398	638,620	793,398	2,877,573
593	Maintenance of Overhead Lines	5,886,832	3,639,530	5,886,832	3,639,530	14,531,610
594	Maintenance of Underground Lines	698,007	144,356	698,007	144,356	585,621
596	Maintenance of Street Lighting & Signal Systems	119,417	142,160	119,417	142,160	577,427
597	Maintenance of Meters	482,114	508,344	482,114	508,344	2,078,356
598	Maintenance of Miscellaneous Distribution Plant	407,574	621,444	407,574	621,444	2,521,029
<b>Distribution Total</b>		<b>10,115,639</b>	<b>6,195,390</b>	<b>10,115,639</b>	<b>6,195,390</b>	<b>25,886,732</b>
<b>Met-Ed Grand Total</b>		<b>13,375,636</b>	<b>9,341,124</b>	<b>13,375,636</b>	<b>9,341,124</b>	<b>42,931,389</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>e</sup>*

<b>Penn Power</b>					
<b>T&amp;D Capital - 1Q / YTD March 2013</b>					
<b>Category</b>	<b>Q1 Actuals</b>	<b>Q1 Budget</b>	<b>Q1 YTD Actuals</b>	<b>Q1 YTD Budget</b>	<b>Annual Budget</b>
Capacity	738,863	1,238,022	738,863	1,238,022	1,898,953
Condition	289,700	444,518	289,700	444,518	2,564,631
Facilities	2,428	814	2,428	814	1,501
Forced	1,063,461	1,549,060	1,063,461	1,549,060	6,271,967
Meter Related	137,003	40,459	137,003	40,459	187,050
New Business	1,237,463	774,894	1,237,463	774,894	2,438,400
Other	1,073,891	322,793	1,073,891	322,793	813,787
Reliability	371,641	886,106	371,641	886,106	5,028,877
Street Light	82,705	12,767	82,705	12,767	27,798
Tools & Equipment	33,855	14,901	33,855	14,901	100,895
Vegetation Management	1,384,762	1,461,030	1,384,762	1,461,030	6,156,508
<b>Penn Power Total</b>	<b>6,415,772</b>	<b>6,745,364</b>	<b>6,415,772</b>	<b>6,745,364</b>	<b>25,490,367</b>

<b>Penelec</b>					
<b>T&amp;D Capital - 1Q / YTD March 2013</b>					
<b>Category</b>	<b>Q1 Actuals</b>	<b>Q1 Budget</b>	<b>Q1 YTD Actuals</b>	<b>Q1 YTD Budget</b>	<b>Annual Budget</b>
Capacity	4,710,794	3,125,004	4,710,794	3,125,004	33,085,381
Condition	3,744,286	2,041,147	3,744,286	2,041,147	8,044,466
Facilities	381,370	82,146	381,370	82,146	325,953
Forced	10,290,364	7,365,585	10,290,364	7,365,585	30,504,899
Meter Related	898,110	717,821	898,110	717,821	2,867,772
New Business	1,519,362	2,662,118	1,519,362	2,662,118	11,203,236
Other	3,195,334	7,011,499	3,195,334	7,011,499	24,833,152
Reliability	4,669,857	6,483,531	4,669,857	6,483,531	27,632,639
Street Light	395,141	318,235	395,141	318,235	1,253,565
Tools & Equipment	273,826	188,872	273,826	188,872	867,093
Vegetation Management	4,592,405	5,403,741	4,592,405	5,403,741	18,493,035
<b>Penelec Total</b>	<b>34,670,849</b>	<b>35,399,697</b>	<b>34,670,849</b>	<b>35,399,697</b>	<b>159,111,191</b>

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

<b>Met-Ed</b>					
<b>T&amp;D Capital - 1Q / YTD March 2013</b>					
<b>Category</b>	<b>Q1 Actuals</b>	<b>Q1 Budget</b>	<b>Q1 YTD Actuals</b>	<b>Q1 YTD Budget</b>	<b>Annual Budget</b>
Capacity	7,605,761	7,758,621	7,605,761	7,758,621	14,704,838
Condition	3,938,071	3,176,519	3,938,071	3,176,519	13,944,041
Facilities	(56,139)	20,705	(56,139)	20,705	82,821
Forced	4,709,716	5,607,037	4,709,716	5,607,037	22,430,887
Meter Related	882,191	624,994	882,191	624,994	2,431,665
New Business	3,561,481	3,392,978	3,561,481	3,392,978	13,442,789
Other	1,886,260	1,807,641	1,886,260	1,807,641	10,296,827
Reliability	1,561,587	1,622,983	1,561,587	1,622,983	5,129,361
Street Light	85,970	90,318	85,970	90,318	360,151
Tools & Equipment	225,155	171,600	225,155	171,600	985,018
Vegetation Management	4,258,927	3,682,418	4,258,927	3,682,418	14,688,050
<b>Met-Ed Total</b>	<b>28,658,981</b>	<b>27,955,814</b>	<b>28,658,981</b>	<b>27,955,814</b>	<b>98,496,448</b>

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

*Staffing Levels*

Penn Power 2013					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	27			
	Lineman	66			
Substation	Technician	4			
	Construction & Maintenance (C&M)	21			
<b>Total</b>		<b>118</b>			

Penelec 2013					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	140			
	Lineman	178			
Substation	Technician	6			
	Construction & Maintenance (C&M)	71			
<b>Total</b>		<b>395</b>			

Met-Ed 2013					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	54			
	Lineman	178			
Substation	Technician	15			
	Construction & Maintenance (C&M)	59			
<b>Total</b>		<b>306</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

Penn Power												
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SADMI Impact	SAIFI	CAIDI	MAIFI
1	Jackson	W730	Zelienople	1,975	17	0	780,031	2,059	4.95	1.04	379	0.00
2	Evans City	D611	Zelienople	949	38	1	688,509	2,412	4.24	2.54	277	1.00
3	Stoneboro	W-132	Clark	1,071	38	1	510,304	2,330	3.24	2.18	219	0.00
4	Stoneboro	W-130	Clark	806	34	0	384,085	1,584	2.44	1.97	242	0.00
5	Hadley	W-195	Clark	933	40	0	342,735	1,373	2.17	1.47	250	0.00
6	Wheatland	W-149	Clark	837	17	1	318,041	1,206	2.02	1.44	264	1.99
7	Bessemer	D-393	New Castle	1,082	26	0	282,816	1,129	1.79	1.04	251	0.00
8	Hermitage	W-260	Clark	2,412	66	0	275,486	2,800	1.75	1.15	98	0.01
9	Mars	W762	Zelienople	1,259	14	2	252,017	2,732	1.60	2.15	92	0.00



Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Madera	00167-22	Philipsburg	1,630	44	4	1,929,924	6,754	3.31	1,184	4.14	286	15.31
2	Lucerne	00088-13	Indiana	479	13	3	1,839,743	4,019	3.16	3,841	8.39	458	0.04
3	Madera	00166-22	Philipsburg	2,211	49	0	1,823,630	8,394	3.13	825	3.80	217	4.40
4	Bellwood North	00635-22	Philipsburg	1,106	31	3	1,585,269	4,410	2.72	1,433	3.99	359	0.00
5	Salix	00070-11	Johnstown	2,241	50	0	1,498,214	5,433	2.57	669	2.42	276	7.28
6	Union City	00206-43	Erie	3,779	114	0	1,325,072	4,932	2.27	351	1.31	269	19.84
7	Hooversville	00019-12	Somerset	1,861	54	0	1,305,536	4,321	2.24	702	2.32	302	0.67
8	Shawville	00151-21	Clearfield	2,319	33	1	1,259,425	6,845	2.16	543	2.95	184	1.39
9	East Pike	00095-13	Indiana	3,391	38	2	1,156,204	8,939	1.98	341	2.64	129	19.11
10	Philipsburg	00162-22	Philipsburg	3,257	78	0	1,148,627	6,839	1.97	353	2.10	168	19.01
11	DuBois	00124-23	DuBois	2,089	30	0	1,105,722	14,536	1.90	529	6.96	76	1.25
12	Rolling Meadows	00310-31	Erie	3,027	20	1	1,053,425	8,059	1.81	348	2.66	131	1.54
13	Two Mile	00127-42	Bradford	1,302	24	0	980,097	1,918	1.68	753	1.47	511	11.17
14	St. Benedict	00057-72	Ebensburg	918	13	1	978,740	2,569	1.68	1,066	2.80	381	15.99
15	Warren South	00220-41	Warren	2,960	53	0	831,357	4,359	1.43	281	1.47	191	8.10
16	Blairsville East	00082-13	Indiana	1,408	37	0	808,056	3,350	1.39	574	2.38	241	25.35
17	Edinboro	00421-34	Erie	630	11	2	803,508	1,501	1.38	1,275	2.38	535	2.72
18	Madera	00165-22	Philipsburg	983	33	2	768,882	2,460	1.32	782	2.50	313	5.88
19	Belleville	00124-81	Lewistown	544	29	3	687,180	1,807	1.18	1,263	3.32	380	7.94
20	Samuel Rea Car Shop	00031-71	Altoona	1,659	16	1	667,369	2,204	1.15	402	1.33	303	0.35
21	Philipsburg	00164-22	Philipsburg	2,333	44	0	663,736	5,064	1.14	284	2.17	131	0.99
22	Punxsutawney	00829-23	DuBois	580	8	1	660,632	1,590	1.13	1,139	2.74	415	2.99
23	Timblin	00103-23	DuBois	748	38	1	612,169	3,775	1.05	818	5.05	162	49.20
24	Mahaffey	00010-21	Clearfield	137	9	0	610,553	248	1.05	4,457	1.81	2,462	5.21
25	Tower Hill	00580-63	Mansfield	404	18	1	584,531	2,257	1.00	1,447	5.59	259	13.92
26	Seward	00075-11	Johnstown	905	33	0	580,414	1,283	1.00	641	1.42	452	10.61
27	Edgewood	00089-13	Indiana	896	31	2	579,143	2,716	0.99	646	3.03	213	24.08
28	French Road	00219-31	Erie	1,365	11	1	577,375	2,731	0.99	423	2.00	211	0.95
29	Pittsburgh Avenue	00524-31	Erie	1,683	23	1	560,031	2,494	0.96	333	1.48	225	0.17
30	Madera	00147-22	Philipsburg	850	45	3	545,504	4,996	0.94	642	5.88	109	13.03
31	Erie South	00259-31	Erie	2,489	61	0	536,454	4,364	0.92	216	1.75	123	2.19
32	Tunkhannock	00533-65	Montrose	1,234	43	0	515,404	1,980	0.88	418	1.60	260	5.41
33	Curryville	00644-71	Altoona	1,778	37	0	500,614	2,499	0.86	282	1.41	200	10.13

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
34	Sykesville	00726-23	DuBois	1,034	25	0	497,929	1,301	0.85	482	1.26	383	5.47
35	Clymer	00110-13	Indiana	1,065	32	0	488,881	1,459	0.84	459	1.37	335	11.47
36	Edinboro	00419-34	Erie	485	8	1	473,855	635	0.81	1,019	1.37	746	3.84
37	Saxton	00625-73	Bedford	1,231	22	1	445,905	3,314	0.77	362	2.69	135	11.29
38	East Pike	00094-13	Indiana	1,545	10	2	438,628	3,554	0.75	284	2.30	123	8.95
39	Main Street	00675-63	Mansfield	848	22	1	438,200	1,235	0.75	676	1.91	355	5.12
40	Tower Hill	00581-63	Mansfield	515	26	0	404,258	988	0.69	785	1.92	409	11.02
41	Portage	00081-72	Ebensburg	559	10	2	400,375	1,309	0.69	716	2.34	306	0.00
42	Park Plaza	00183-71	Altoona	1,489	40	1	394,393	2,327	0.68	265	1.56	169	2.99
43	Holidaysburg	00202-71	Altoona	889	13	3	388,095	2,810	0.67	437	3.16	138	1.25
44	Brookville	00125-23	DuBois	826	25	0	378,756	3,452	0.65	605	5.51	110	6.51
45	Thompson	00436-65	Montrose	1,351	41	0	374,444	3,833	0.64	277	2.84	98	11.22
46	Dubois	00137-23	DuBois	3,137	72	0	363,619	4,849	0.62	116	1.55	75	8.31
47	Tiffany	00435-65	Montrose	790	21	1	358,143	2,019	0.61	453	2.56	177	12.43
48	Mansfield	00699-63	Mansfield	752	29	2	356,277	1,778	0.61	474	2.36	200	0.30
49	Cambridge Springs	00461-52	Meatville	522	11	1	355,886	789	0.61	682	1.51	451	0.35
50	Tionesta Junction Sw Sta	00498-51	Oil City	970	31	1	350,983	6,625	0.60	362	6.83	53	9.44
51	Tionesta	00344-51	Oil City	528	15	1	350,668	873	0.60	664	1.65	402	1.94
52	Logan	00700-81	Lewistown	1,021	24	0	350,445	1,904	0.60	343	1.86	184	7.87
53	Knox	00323-51	Oil City	1,321	48	0	350,320	1,964	0.60	265	1.49	178	5.36
54	Yeagerstown	00703-81	Lewistown	515	28	2	344,148	2,247	0.59	667	4.35	153	6.02
55	Crown	00319-51	Oil City	1,323	53	1	340,483	3,182	0.58	257	2.41	107	24.97
56	Glen Campbell	00680-21	Clearfield	453	21	0	335,629	1,880	0.58	725	4.06	179	13.83
57	Tower 51	00051-11	Johnstown	545	25	0	325,780	1,145	0.56	597	2.10	285	2.85
58	Portage	00186-72	Ebensburg	1,076	13	0	319,288	1,610	0.55	297	1.50	198	2.27
59	Corry East	00440-43	Erie	595	20	2	315,558	2,476	0.54	530	4.16	127	6.50

Met/Ed													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Snydersville	00621-3	Stroudsburg	1,755	42	2	1,472,300	5,565	2.68	839	3.17	265	0.00
2	Leesport	00811-1	Hamburg	1,483	34	4	1,303,628	8,257	2.38	879	5.57	158	0.00
3	Bernville	00786-1	Hamburg	1,820	72	0	1,126,079	3,576	2.05	619	1.96	315	0.00
4	Shawnee	00895-3	Stroudsburg	3,746	87	0	1,085,641	10,238	1.98	290	2.73	106	8.61
5	Mountain	00744-4	Dillsburg	1,809	90	0	1,033,713	5,037	1.88	571	2.78	205	3.76
6	Barto	00705-1	Boyertown	2,078	98	1	991,680	4,036	1.81	477	1.94	246	4.01
7	Shawnee	00899-3	Stroudsburg	1,782	49	1	965,326	6,358	1.76	542	3.57	152	4.32
8	Birdsboro	00756-1	Reading	1,519	86	1	963,782	8,339	1.76	634	5.49	116	1.91
9	Bath	00873-3	Easton	2,136	54	0	834,321	4,159	1.52	391	1.95	201	5.00
10	Flying Hills	00776-1	Reading	1,486	41	0	805,148	2,314	1.47	542	1.56	348	6.76
11	Bern Church	00789-1	Reading	1,426	61	1	738,315	3,529	1.35	518	2.47	209	1.93
12	Gardners	00752-4	Gettysburg	1,416	62	1	712,241	5,813	1.30	503	4.11	123	3.99
13	Baldy	00736-1	Reading	930	33	0	697,374	2,655	1.27	750	2.85	263	5.01
14	Mohnton	00123-1	Reading	636	11	0	697,140	863	1.27	1,096	1.36	808	1.01
15	Birdsboro	00757-1	Reading	1,920	57	3	661,647	5,490	1.21	345	2.86	121	2.41
16	Campbelltown	00634-2	Lebanon	1,031	26	7	629,621	7,833	1.15	611	7.60	80	12.00
17	North Lebanon	00712-2	Lebanon	1,912	41	1	613,835	3,046	1.12	321	1.59	202	7.96
18	Broad Street	00776-2	Lebanon	1,853	22	1	610,455	3,812	1.11	329	2.06	160	2.00
19	Angelica	00129-1	Reading	694	22	1	574,901	1,713	1.05	828	2.47	336	0.00
20	N. Bangor	00826-3	Easton	2,605	68	0	569,975	8,310	1.04	219	3.19	69	1.40
21	Frystown	00701-2	Lebanon	1,689	62	1	555,920	5,152	1.01	329	3.05	108	3.57
22	Bern Church	00791-1	Reading	719	23	1	554,208	1,198	1.01	771	1.67	463	0.00
23	West Boyertown	00717-1	Boyerstown	1,298	11	3	530,171	4,339	0.97	408	3.34	122	0.00
24	N. Bangor	00814-3	Easton	1,437	21	2	518,450	7,238	0.95	361	5.04	72	0.00
25	Barto	00706-1	Boyerstown	2,667	74	1	508,981	3,958	0.93	191	1.48	129	4.99
26	Ortanna	00764-4	Gettysburg	1,672	38	2	508,399	5,338	0.93	304	3.19	95	7.00
27	Collins	00761-2	Lebanon	635	16	1	505,627	1,252	0.92	796	1.97	404	3.80
28	Carsonia	00171-1	Reading	1,132	8	3	495,194	3,474	0.90	437	3.07	143	0.00
29	Lickdale	00625-2	Lebanon	969	37	1	492,811	2,525	0.90	509	2.61	195	5.99
30	Cly	00722-4	York	1,477	23	3	483,209	5,874	0.88	327	3.98	82	5.27
31	Newberry	00586-4	York	1,595	30	2	480,877	4,062	0.88	301	2.55	118	7.98
32	South Hamburg	00743-1	Hamburg	1,159	46	1	479,413	2,027	0.87	414	1.75	237	3.38
33	Shawnee	00860-3	Stroudsburg	3,167	48	0	470,541	6,258	0.86	149	1.98	75	8.72

Circuit Rack	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
34	N. Bangor	00813-3	Eastern	1,335	36	0	465,720	1,837	0.85	349	1.38	254	0.00
35	Grantville	00720-2	Lebanon	1,375	25	2	461,085	3,375	0.84	335	2.45	137	14.91
36	Birchwood	00624-3	Stroudsburg	2,808	30	1	457,601	3,249	0.83	228	1.62	141	2.00
37	Windsor	00795-4	York	1,839	50	0	440,937	1,382	0.80	424	1.33	319	0.14
38	Taxville	00572-4	York	3,010	21	1	435,261	6,596	0.79	145	2.19	66	10.20

## ATTACHMENT B

### Worst Performing Circuits – Remedial Actions

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.

PennPower						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Jackson	W730	Performance was driven by three outages that occurred during weather conditions. Two were caused by non-preventable trees and one was caused by lightning.			
			Substation returned to normal	Complete	Jul-12	
			Equipment that was damaged by lightning was replaced at time of restoration	Complete	Jul-12	
			Cable was reattached at time of restoration	Complete	Oct-12	
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Mar-13	
2	Evans City	D611	Performance was driven by four outages that occurred during weather conditions. One was caused by a line failure, two were caused by equipment failures and one was caused by non-preventable trees.			
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Jul-12	
			The equipment failure was repaired at the time of restoration	Complete	Jul-12	
			The equipment failure was repaired at the time of restoration	Complete	Jul-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Oct-12	
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	To be completed 2013		

Penn:Power						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
3	Stoneboro	W-132	<i>Performance was driven by three outages that occurred during weather conditions. Two were caused by non-preventable trees and one was caused by lightning.</i>			2Q 2012 3Q 2012 4Q 2012 1Q 2013
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Mar-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	May-12	
			Reliability job to install fuses and replace arrestors	Complete	May-12	
			Protection review completed on circuit	Complete	May-12	
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Jul-12	
			Reliability job to install fuses and replace arrestors	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	
Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Mar-13				
4	Stoneboro	W-130	<i>Performance was driven by two outages, each of which were caused by non-preventable trees.</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	
5	Hadley	W-195	<i>Performance was driven by one outage caused by a non-preventable tree during weather conditions.</i>			4Q 2011 3Q 2012 4Q 2012 1Q 2013
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Reliability job to make two coordination changes	Complete	Aug-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	
			Reliability job to install fault indicators, fuses and replace switches	Complete	Oct-12	
Forestry to trim circuit	Complete	Mar-13				
6	Wheatland	W-149	<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	May-12	
7	Bessemer	D-393	<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	
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Sep-12	

<b>PennPower</b>						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
8	Hermitage	W-260	Performance was driven by one outage caused by an overload while a temporary mobile substation was installed and by one lightning caused outage.			
			Substation returned to normal	Complete	Jul-12	
9	Mars	W762	Equipment that was broken by lightning was replaced at time of restoration	Complete	Aug-12	
			Performance was driven by two outages-both caused by non-preventable trees during weather conditions.			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Oct-12	
			Forestry to trim circuit	Complete	Nov-12	
Camp Reynolds		W-134	Performance was driven by one outage that occurred due to line failure and one caused by human error non-company.			
			Equipment that was broken due to farmer plowing field was repaired at time of restoration	Complete	May-12	
			Protection review including replacement of three reclosers	Complete	Mar-12	
			Reliability job to replace one cutout and make one coordination change	Complete	Apr-12	
			Nine fault indicators to be installed	Complete	Aug-12	
			Field review of circuit to identify visible equipment failures	Complete	Sep-12	
			Forestry to trim circuit	Complete	Mar-13	
Mars		D616	Performance was driven by two outages-both caused by non-preventable trees during weather conditions.			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-12	
			Field review of circuit to identify visible equipment failures	Complete	Oct-12	
			Forestry to trim circuit	Complete	Mar-13	



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

<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
6	Union City	00206-43	<i>Performance was driven by non-preventable trees during a minor storm, lightning, an animal contact and line failure.</i>			
			Repair line failure	Complete	May-12	4Q 2011
			Repair damage caused by lightning	Complete	May-12	3Q 2012
			Repair damage caused by a tree during a storm	Complete	Jul-12	4Q 2012
			Add additional protection per circuit coordination	Complete	Dec-12	1Q 2013
Full cycle tree clearing	Complete	Dec-12				
7	Hooversville	00019-12	<i>Performance was driven by non-preventable trees during minor storm and equipment failure.</i>			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Repair line failure	Complete	Dec-12	
			Add additional protection per circuit coordination	To be completed 2013		
8	Shawville	00151-21	<i>Performance was driven by non-preventable trees during a minor storm.</i>			
			Repair damage caused by a tree during a storm	Complete	May-12	2Q 2012
			Add additional protection per circuit coordination	To be completed 2013		3Q 2012
			Circuit inspection	To be completed 2013		4Q 2012
9	East Pike	00095-13	<i>Performance was driven by non-preventable trees during a minor storm and equipment failure.</i>			
			Repair damage caused by a tree during a storm	Complete	Jul-12	1Q 2013
			Repair equipment failure	Complete	Sep-12	
10	Phlipsburg	00162-22	<i>Performance was driven by lightning during minor storm and equipment failure.</i>			
			Repair damage caused by lightning	Complete	May-12	4Q 2011
			Repair equipment failure	Complete	Sep-12	1Q 2012
			Full cycle tree clearing	Complete	Dec-12	2Q 2012
			<i>Performance was driven by lightning, non-preventable trees and equipment failure.</i>			3Q 2012
11	DuBois	00124-23	<i>Performance was driven by lightning, non-preventable trees and equipment failure.</i>			
			Repair damage caused by lightning	Complete	Jul-12	4Q 2012
			Repair damage caused by a tree	Complete	Nov-12	1Q 2013
			Repair equipment failure	Complete	Dec-12	
			Targeted main line reliability equipment replacement	To be completed 2013		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
12	Rolling Meadows	00310-31	<i>Performance was driven by a line failure during a minor storm and equipment failure.</i>			
			Add additional protection per circuit coordination	Complete	May-12	
			Repair line failure	Complete	Dec-12	
			Repair equipment failure	Complete	Jan-13	
13	Two Mile	00127-42	<i>Performance was driven by non-preventable tree damage during a minor storm and a line failure.</i>			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Repair line failure	Complete	Jan-13	
			Add additional protection per circuit coordination	To be completed 2013		
14	St. Benedict	00057-72	<i>Performance was driven by non-preventable trees and a line failure during storm.</i>			2Q 2012
			Repair line failure	Complete	Apr-12	3Q 2012
			Repair damage caused by a tree during a storm	Complete	May-12	4Q 2012 1Q 2013
15	Warren South	00220-41	<i>Performance was driven by non-preventable tree damage during a minor storm and car pole accidents.</i>			4Q 2011
			Repair damage cause by a tree during a storm	Complete	Feb-12	1Q 2012
			Repair damage caused by a tree	Complete	Jul-12	2Q 2012
			Repair damage caused by a vehicle	Complete	May-12	3Q 2012
			Repair damage caused by a vehicle	Complete	Mar-13	4Q 2012 1Q 2013
16	Blairsville East	00082-13	<i>Performance was driven by equipment failure and lightning damage during a minor storm.</i>			4Q 2011
			Repair equipment failure	Complete	Apr-12	2Q 2012
			Repair damage caused by lightning	Complete	May-12	3Q 2012 4Q 2012 1Q 2013
17	Edinboro	00421-34	<i>Performance was driven by non-preventable trees during a minor storm.</i>			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Add additional protection per circuit coordination	To be completed 2013		
18	Madera	00165-22	<i>Performance was driven by non-preventable trees during a storm.</i>			
			Repair damage caused by a tree during a storm	Complete	Apr-12	2Q 2012
			Repair damage caused by a tree during a storm	Complete	May-12	3Q 2012
			Add additional protection per circuit coordination	Complete	Feb-13	4Q 2012
			Circuit inspection	To be completed 2013		1Q 2013

<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
19	Belleville	00124-81	Performance was driven by equipment failure during a storm and line failure.			
			Repair line failure	Complete	Jul-12	
			Repair equipment damage	Complete	Jan-13	
20	Samuel Rea Car Shop	00031-71	Add additional protection per circuit coordination	To be completed 2013		
			Performance was driven by non-preventable trees during a storm.			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
21	Phelpsburg	00164-22	Performance was driven by equipment failure and an unknown cause during a minor storm.			2Q 2012
			Repair equipment damage	Complete	Dec-12	3Q 2012
			Add additional protection per circuit coordination	Complete	Mar-13	4Q 2012
22	Punxsutawney	00829-23	Performance was driven by non-preventable trees during a storm.			1Q 2013
			Repair damage caused by a tree during a storm	Complete	May-12	
			Full cycle tree clearing	To be completed 2013		
23	Timblin	00103-23	Circuit inspection	To be completed 2013		
			Performance was driven by a car pole accident and non-preventable trees during a minor storm.			1Q 2012
			Repair damage caused by a vehicle	Complete	Jan-12	2Q 2012
24	Mahaffey	00010-21	Repair damage caused by a tree during a storm	Complete	May-12	3Q 2012
			Repair damage caused by a tree during a storm	Complete	Jul-12	4Q 2012
			Circuit inspection	To be completed 2013		1Q 2013
25	Tower Hill	00580-63	Performance was driven by non-preventable trees during a minor storm.			2Q 2012
			Repair damage caused by a tree during a storm	Complete	May-12	3Q 2012
			Performance was driven by equipment failure.			4Q 2012
25	Tower Hill	00580-63	Repair equipment damage	Complete	Feb-12	2Q 2012
			Repair equipment damage	Complete	Jul-12	3Q 2012
			Upgrade step transformer bank	Complete	Dec-12	4Q 2012

Penelec							
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters	
26	Seward	00075-11	<i>Performance was driven by non-preventable trees and an unknown cause during a minor storm.</i>				
			Repair damage caused by a tree during a storm	Complete	Jun-12		
			Add additional protection per circuit coordination	Complete	Mar-13		
27	Edgewood	00089-13	<i>Performance was driven by non-preventable trees, equipment failure and an unknown cause during a minor storm.</i>				1Q 2012 2Q 2012 3Q 2012 4Q 2012 1Q 2013
			Repair damage caused by a tree	Complete	May-12		
			Repair equipment damage during storm	Complete	May-12		
			Add additional protection per circuit coordination	Complete	Jun-12		
			Full cycle tree clearing	To be completed 2013			
28	French Road	00219-31	<i>Performance was driven by equipment failure during a minor storm.</i>				
			Repair equipment failure during storm	Complete	Jan-13		
29	Pittsburgh Avenue	00524-31	<i>Performance was driven by lightning damage during a storm.</i>				
			Repair damage caused by lightning	Complete	Jul-12		
			Circuit inspection	To be completed 2013			
30	Madera	00147-22	<i>Performance was driven by non-preventable trees and equipment failure during a storm.</i>				
			Repair equipment failure	Complete	Oct-12		
			Repair damage caused by a tree during a storm	Complete	Jan-13		
			Add additional protection per circuit coordination	To be completed 2013			
31	Erie South	00259-31	<i>Performance was driven by equipment failure, line failure and non-preventable trees.</i>				4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012 1Q 2013
			Repair equipment failure	Complete	Jun-12		
			Repair line failure	Complete	Sep-12		
			Repair damage caused by a tree during a storm	Complete	Jan-13		
			Add additional protection per circuit coordination	Complete	Jan-13		
			Repair equipment failure	Complete	Mar-13		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
32	Tunkhannock	00533-65	Performance was driven by non-preventable trees.			4Q 2011 1Q 2012 2Q 2012 3Q 2012 4Q 2012 1Q 2013
			Repair damage caused by a tree	Complete	Nov-12	
			Full cycle tree clearing	To be completed 2013		
33	Curryville	00544-71	Performance was driven by lightning and a line failure during a minor storm.			
			Repair line failure	Complete	Jul-12	
			Repair damage caused by lightning	Complete	Jun-12	
34	Sykesville	00726-23	Performance was driven by non-preventable trees during a minor storm.			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
35	Clymer	00110-13	Performance was driven by non-preventable trees and equipment failure during a minor storm.			
			Repair damage caused by a tree and equipment failure during storm	Complete	Apr-12	
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Full cycle tree clearing	Complete	Feb-13	
			Performance was driven by non-preventable trees during a minor storm.			
36	Edinboro	00419-34	Performance was driven by non-preventable trees during a minor storm.			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Circuit inspection	To be completed 2013		
37	Saxton	00525-73	Performance was driven by line failure and an unknown cause during a minor storm.			
			Repair line failure	Complete	Sep-12	
38	East Pike	00094-13	Performance was driven by non-preventable trees during a minor storm and equipment failure.			
			Repair damage caused by a tree during a storm	Complete	Jul-12	
			Repair equipment failure	Complete	Jan-13	
			Circuit inspection	To be completed 2013		

Penélec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
39	Main Street	00675-63	<i>Performance was driven by equipment failure and an unknown cause.</i>			
			Repair equipment failure	Complete	Jun-12	
40	Tower Hill	00581-63	<i>Performance was driven by lightning damage and an animal contact.</i>			2Q 2012
			Repair damage from animal contact	Complete	Apr-12	3Q 2012
			Repair damage caused by lightning	Complete	May-12	4Q 2012 1Q 2013
41	Portage	00081-72	<i>Performance was driven by non-preventable trees and an unknown cause during a minor storm.</i>			2Q 2012
			Repair damage caused by a tree during a storm	Complete	Apr-12	3Q 2012
			Install additional arresters and fault indicators	Complete	Oct-12	4Q 2012 1Q 2013
42	Park Plaza	00183-71	<i>Performance was driven by non-preventable trees during a storm.</i>			
			Repair damage caused by a tree	Complete	Jul-12	
43	Holidaysburg	00202-71	<i>Performance was driven by non-preventable trees and an unknown cause during a minor storm.</i>			
			Repair damage caused by a tree during a storm	Complete	Dec-12	
			Full cycle tree clearing	Complete	Feb-13	
44	Brookville	00125-23	<i>Performance was driven by non-preventable trees and line failure.</i>			
			Repair damage caused by a tree	Complete	Aug-12	
			Repair line failure	Complete	Jan-13	
			Circuit inspection	To be completed 2013		
45	Thompson	00436-65	<i>Performance was driven by non-preventable trees during a storm, an animal contact and equipment failure.</i>			4Q 2011
			Repair equipment failure	Complete	May-12	1Q 2012
			Repair damage caused by a tree during a storm	Complete	Jul-12	2Q 2012
			Repair damage from animal contact	Complete	Jul-12	3Q 2012
			Add additional protection per circuit coordination	Complete	Dec-12	4Q 2012 1Q 2013
46	Dubois	00137-23	<i>Performance was driven by non-preventable trees and equipment failure.</i>			
			Repair equipment failure	Complete	Apr-12	
			Repair damage caused by a tree	Complete	Mar-13	

<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
47	Tiffany	00435-55	Performance was driven by a line failure and non-preventable trees during a storm.			4Q 2011
			Repair damage caused by a tree during a storm	Complete	Jun-12	1Q 2012
			Repair line failure	Complete	Jun-12	2Q 2012
			Add additional protection per circuit coordination	Complete	Mar-13	3Q 2012
			Full cycle tree clearing	To be completed 2013		4Q 2012
			Performance was driven by an unknown cause.			1Q 2013
48	Mansfield	00699-53	Line patrolled due to unknown caused outage	Complete	Apr-12	2Q 2012
			Add additional protection per circuit coordination	To be completed 2013		3Q 2012
			Circuit inspection	To be completed 2013		4Q 2012
			Performance was driven by non-preventable trees during a storm.			1Q 2013
49	Cambridge Springs	00451-52	Repair damage caused by a tree during a storm	Complete	Jul-12	
			Circuit inspection	To be completed 2013		
50	Tionesta Junction Sw Sta	00498-51	Performance was driven by equipment failure and non-preventable trees during storm.			
			Repair damage caused by a tree during a storm	Complete	Jun-12	
			Repair equipment failure	Complete	Dec-12	
51	Tionesta	00344-51	Performance was driven by non-preventable trees during a storm.			
			Repair damage caused by a tree during a storm	Complete	Jun-12	
			Circuit inspection	To be completed 2013		
			Performance was driven by non-preventable trees during a storm.			
52	Logan	00700-51	Performance was driven by non-preventable trees during a storm.			4Q 2011
			Add additional protection per circuit coordination	Complete	May-12	1Q 2012
			Repair damage caused by a tree during a storm	Complete	Jun-12	4Q 2012
			Repair damage caused by a tree during a storm	Complete	Jul-12	1Q 2013
53	Knox	00323-51	Performance was driven by equipment and line failure.			
			Repair line failure	Complete	Aug-12	
			Repair equipment failure	Complete	Sep-12	
			Circuit inspection	To be completed 2013		



Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
54	Yeagertown	00703-81	<i>Performance was driven by line failure, non-preventable trees during a storm and a car pole accident.</i>			
			Repair line failure	Complete	May-12	
			Repair damage caused by a tree during a storm	Complete	May-12	
			Repair damage caused by a vehicle	Complete	Jan-13	
55	Crown	00319-51	<i>Performance was driven by equipment failure and non-preventable trees during a storm.</i>			
			Repair equipment failure	Complete	Aug-12	
			Repair damage caused by a tree	Complete	May-12	
56	Glen Campbell	00680-21	<i>Performance was driven by non-preventable trees during a minor storm.</i>			2Q 2012 3Q 2012 4Q 2012 1Q 2013
			Repair damage caused by a tree	Complete	May-12	
57	Tower 51	00051-11	<i>Performance was driven by equipment failure and a car pole accident.</i>			
			Repair damage caused by a vehicle	Complete	Jan-13	
			Repair equipment failure	Complete	Mar-13	
			Add additional protection per circuit coordination	To be completed 2013		
58	Portage	00186-72	<i>Performance was driven by equipment failure, line failure during a storm and a car pole accident.</i>			
			Repair equipment failure	Complete	Apr-12	
			Repair line failure	Complete	May-12	
			Repair damage caused by a vehicle	Complete	Feb-13	
59	Corry East	00440-43	<i>Performance was driven by non-preventable trees and a line failure.</i>			
			Repair line failure	Complete	Jun-12	
			Repair damage caused by a tree	Complete	Aug-12	
			Full cycle tree clearing	To be completed 2013		
			Circuit inspection	To be completed 2013		
	Brookville	00123-23	<i>Performance was driven by equipment failure.</i>			
			Repair equipment failure	Complete	Jan-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Circuit inspection	To be completed 2013		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
			<i>Performance was driven by equipment failure.</i>			
	Brookville	00123-23	Repair equipment failure	Complete	Jan-12	
			Add additional protection per circuit coordination	To be completed 2013		
			Circuit inspection	To be completed 2013		
			<i>Performance was driven by non-preventable trees and equipment failure during a storm.</i>			
	Dixonville East	00120-13	Repair equipment failure	Complete	Mar-12	
			Repair damage caused by a tree	Complete	Aug-12	
			Circuit inspection	To be completed 2013		
			<i>Performance was driven by equipment failure and vehicle damage.</i>			
	Erie East	00234-31	Repair equipment failure	Complete	Jan-12	
			Repair damage caused by a vehicle	Complete	Sep-12	
			Add additional protection per circuit coordination	Complete	Oct-12	
			Full cycle tree clearing	To be completed 2013		
			<i>Performance was driven by non-preventable trees during a storm.</i>			
	Viscose Hill	00116-81	Repair damage caused by a tree during a storm	Complete	May-12	
			Add additional protection per circuit coordination	To be completed 2013		
			<i>Performance was driven by non-preventable trees and an unknown cause during a storm.</i>			
	Tiffany	00440-65	Add additional protection per circuit coordination	Complete	Mar-13	
			Full cycle tree clearing	Complete	Dec-12	
			<i>Performance was driven by non-preventable trees during minor storm, equipment failure and line failure.</i>			
	Laurel Lake	00449-65	Repair equipment failure	Complete	Jan-12	
			Add additional protection per circuit coordination	Complete	Mar-13	
			<i>Performance was driven by non-preventable trees during a storm.</i>			
	Brooklyn	00749-65	Add additional protection per circuit coordination	Complete	Mar-13	
			Circuit inspection	Complete	Apr-12	
			<i>Performance was driven by non-preventable trees and an unknown cause during a storm.</i>			
	Montrose	00457-65	Add additional protection per circuit coordination	Complete	Mar-13	

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Snydersville	00621-3	<i>Performance was driven by a single storm on 5/26/12 which contributed to 37% of circuit minutes, an insulator failure on 4/3/12 which contributed 30% of circuit minutes and a vehicle accident on 11/22/12 which contributed 22% of minutes.</i>			2Q2012 3Q2012 4Q2012 1Q2013
			Replace switch	Complete	Jun-12	
			Replace recloser	Complete	Aug-12	
			Perform accelerated backbone and three phase assessment	Complete	Aug-12	
			Replace crossarm found during circuit assessment	Complete	Oct-12	
			Perform accelerated backbone and three phase assessment	To be completed 2013		
Replace substation recloser and add remote control	To be completed 2013					
2	Leesport	00811-1	<i>Performance was driven by three outages during two severe weather events caused by wind and trees (46%), three outages caused by vehicle accidents (16%), an outage caused by an arrester problem (15%) and an outage caused by a crossarm problem (9%).</i>			2Q2012 3Q2012 4Q2012 1Q2013
			Replace main line crossarm from assessment	Complete	Apr-12	
			Replace main line crossarm from assessment	Complete	May-12	
			Spot forestry inspection	Complete	Nov-12	
			Engineering review for the installation of an additional main line recloser	Complete	Dec-12	
			Comprehensive circuit patrol	To be completed 2013		
			Replace additional main line crossarm from assessment	To be completed 2013		
			Replace main line crossarm brace from assessment	To be completed 2013		
			Install fusebypass on main line	To be completed 2013		
			Install main line arresters	To be completed 2013		
Complete work request for new main line recloser	To be completed 2013					

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Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters		
3	Bernville	00786-1	<i>Performance was driven by two outages related to a vehicle accident (67%) and an outage caused by lightning (18%).</i>					
			Perform accelerated backbone assessment	Complete	Jan-12			
			Replace main line porcelain cutouts with polymer cutouts	Complete	Mar-12			
			Complete forestry assessment of three phase for SAIFI analysis	Complete	Mar-12			
			Replace main line crossarm from backbone assessment	Complete	Apr-12			
			Replace additional main line porcelain cutouts with polymer cutouts	Complete	Apr-12			
			Comprehensive circuit patrol	Complete	Apr-12			
			Install main line recloser	Complete	May-12			
			Spot forestry inspection	Complete	Nov-12			
			Install additional main line tap fuses	Complete	Dec-12			
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013				
Perform wood pole inspection	To be completed 2013							
Pole replacements from pole inspections	To be completed 2013							
Comprehensive tree trimming	To be completed 2013							
4	Shawnee	00895-3	<i>Performance was driven by a single storm on 7/23/12 which contributed 36% of circuit minutes and trees which contributed 52% of circuit minutes</i>					
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	4Q2011		
			Repair split pole top found on circuit assessment	Complete	Oct-12	1Q2012		
			Correct fuse coordination	Complete	Oct-12	2Q2012		
			Comprehensive tree trimming	Complete	Oct-12	3Q2012		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		4Q2012		
			Replace porcelain cutouts on recloser backbone with polymer cutouts	To be completed 2013		1Q2013		
			Install additional Supervisory Control And Data Acquisition (SCADA) switch	To be completed 2013				

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Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
5	Mountain	00744-4	Performance was driven by trees at 78% of circuit minutes.			4Q2011 1Q2012 3Q2012 4Q2012 1Q2013
			Perform accelerated circuit reliability assessment of main line	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Mar-12	
			Perform fuse changes at ten locations to improve circuit coordination	Complete	Jun-12	
			Perform accelerated post storm forestry vegetation assessment	Complete	Jul-12	
			Perform tree work identified during accelerated post storm forestry assessment	Complete	Jul-12	
			Perform follow-up forestry vegetation assessment	Complete	Sep-12	
			Perform tree work identified during follow-up forestry assessment	Complete	Sep-12	
			Perform partial post Hurricane Sandy accelerated circuit reliability assessment of main line	Complete	Nov-12	
			Perform partial post Hurricane Sandy accelerated circuit reliability assessment of three phase	Complete	Nov-12	
			Perform accelerated circuit reliability assessment of main line	To be completed 2013		
			Perform accelerated circuit reliability assessment of three phase	To be completed 2013		
6	Barto	00705-1	Performance was driven by tree-caused outages (57%) and a transmission substation equipment problem (23%).			
			Perform accelerated backbone assessment	Complete	Jan-12	
			Perform accelerated three phase assessment	Complete	Jan-12	
			Main line forestry inspection	Complete	Mar-12	
			Install additional main line tap fuses	Complete	Apr-12	
			Engineering main line protection coordination analysis	Complete	Apr-12	
			Comprehensive tree trimming	Complete	May-12	
			Transmission substation equipment repair	Complete	Jul-12	
			Main line forestry inspection	Complete	Aug-12	
			Spot forestry inspection	Complete	Sep-12	
			Spot forestry inspection	Complete	Nov-12	
			Perform accelerated backbone assessment	To be completed 2013		

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
7	Shawnee	00899-3	Performance was driven by non-preventable trees which contributed 47% of circuit minutes, equipment failure on 8/22/12 which contributed 14% of circuit minutes and a vehicle accident on 8/22/12 which contributed 11% of circuit minutes.			
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	2Q2012
			Perform accelerated single phase assessment	Complete	Feb-12	3Q2012
			Comprehensive tree trimming	Complete	Dec-12	4Q2012
			Install tap fuse on backbone	Complete	Dec-12	1Q2013
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Jan-13	
			Perform accelerated backbone and three phase circuit assessment	Complete	Jan-13	
			Engineering to evaluate additional radio controlled switch on circuit	Complete	Mar-13	
			To be completed 2013			
8	Birdsboro	00756-1	Performance was driven by trees non-preventable outages (47%) and an outage caused by a line tap problem (23%).			
			Proactive every other month main line forestry inspection	Complete	Jan-12	
			Spot main line tree trimming and removals	Complete	Jan-12	
			Replace crossarm found during circuit assessment	Complete	Jan-12	
			Proactive every other month main line forestry inspection	Complete	Mar-12	
			Proactive every other month main line forestry inspection	Complete	May-12	
			Spot main line tree trimming and removals	Complete	Jun-12	
			Replace bypass disconnects main line recloser	Complete	Jun-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	4Q2011
			Engineering review for the installation of an additional main line recloser	Complete	Jul-12	1Q2012
			Proactive every other month main line forestry inspection	Complete	Sep-12	2Q2012
			Spot main line tree trimming and removals	Complete	Oct-12	3Q2012
			Proactive every other month main line forestry inspection	Complete	Nov-12	4Q2012
			Replace main line crossarm from assessment	Complete	Dec-12	1Q2013
			Spot tree trimming and removals	Complete	Dec-12	
			Proactive every other month main line forestry inspection	Complete	Feb-13	
			Spot tree trimming and removals	To be completed 2013		
			Upgrade main line recloser and customer re-distribution project	To be completed 2013		
Comprehensive circuit patrol	To be completed 2013					
Upgrade main line disconnects to gang operated air break switch	To be completed 2013					
Install main line tap fuse and fault indicators	To be completed 2013					
Proactive every other month main line forestry inspection	To be completed 2013					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
9	Bath	00873-3	Performance was driven by a vehicle accident on 9/5/12 which contributed 57% of circuit minutes and non-preventable trees which contributed 16% of minutes.			
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace porcelain cutouts on circuit backbone with polymer cutouts	To be completed 2013		
10	Flying Hills	00776-1	Performance was driven by two tree non-preventable outages during a severe storm event (39%), an outage caused by a non-company tree crew (15%) and other tree outages (28%).			2Q2012 3Q2012 4Q2012 1Q2013
			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 main line recloser	Complete	Jul-12	
			Spot tree removals	Complete	Sep-12	
			Engineering review for the creation of an additional circuit tie	Complete	Dec-12	
			Engineering circuit inspection	Complete	Dec-12	
			Spot forestry patrol	Complete	Dec-12	
			Perform accelerated backbone and three phase assessment	To be completed 2013		
			Spot tree trimming and removals (Freemansville Road)	To be completed 2013		
Install additional set of main line disconnects	To be completed 2013					
11	Bem Church	00789-1	Performance was driven by trees non-preventable outages (55%), outages caused by wind and lightning (27%) and underground cable problems (12%).			
			Replace underground cable in Davis Bridge Road underground residential distribution	Complete	Jan-12	
			Replace additional underground cable in Plum Creek Estates underground residential distribution	Complete	Jun-12	
			Spot forestry inspection	Complete	Aug-12	
			Fuse upgrades for tap coordination improvement	Complete	Aug-12	
			Relocate main line tap from off road location to along public roadway	Complete	Sep-12	
			Replace additional underground cable in Plum Creek Estates underground residential distribution	Complete	Oct-12	
			Perform accelerated backbone assessment	To be completed 2013		

<b>Met-Ed</b>						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
12	Gardners	00752-4	<i>Performance was driven by trees at 56% of circuit minutes and a capacitor bank problem at 14% of circuit minutes.</i>			
			Perform accelerated circuit reliability assessment of main line	Complete	Apr-12	4Q2011
			Perform accelerated circuit reliability assessment of three phase	Complete	Apr-12	1Q2012
			Perform accelerated circuit reliability assessment of single phase backbone	Complete	Apr-12	2Q2012
			Perform post Hurricane Sandy accelerated circuit reliability assessment of main line	Complete	Nov-12	3Q2012
			Perform post Hurricane Sandy accelerated circuit reliability assessment of three phase	Complete	Nov-12	4Q2012
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		1Q2013
13	Balby	00736-1	<i>Performance was driven by an outage during a severe storm event where no permanent condition was identified (41%) and trees non-preventable outages (41%).</i>			
			Complete main line switch repair	Complete	Feb-12	
			Install fuse/bypass on main line	Complete	Feb-12	
			Install additional main line tap fuses	Complete	Mar-12	
			Replace main line crossarms from comprehensive patrol	Complete	Jun-12	
			Engineering review for the installation of an additional main line recloser	Complete	Jul-12	
			Comprehensive tree trimming	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Install new main line recloser	To be completed 2013		
			Upgrade and relocate existing main line recloser	To be completed 2013		
14	Mohnton	00123-1	<i>Performance was driven by a trees non-preventable outage during a severe storm event that included a broken pole (91%).</i>			
			Comprehensive circuit patrol	Complete	Apr-12	
			Repair sink hole surrounding main line pole	Complete	May-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace main line pin insulator	To be completed 2013		



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Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
15	Birdsboro	00757-1	<i>Performance was driven by trees non-preventable outages (43%), and an outage caused by a broken crossarm (27%).</i>			4Q2011 1Q2012 2Q2012 3Q2012 4Q2012 1Q2013
			Proactive every other month main line forestry inspection	Complete	Jan-12	
			Spot main line tree trimming and removals	Complete	Jan-12	
			Perform engineering SAIFI improvement study	Complete	Feb-12	
			Replace primary underground cable and submersibles in Maple Springs underground residential distribution	Complete	Mar-12	
			Proactive every other month main line forestry inspection	Complete	Mar-12	
			Spot main line tree trimming and removals	Complete	Apr-12	
			Proactive every other month main line forestry inspection	Complete	May-12	
			Replace main line crossarm from assessment	Complete	May-12	
			Spot main line tree trimming and removals	Complete	Jun-12	
			Replace main line crossarm from assessment	Complete	Jun-12	
			Upgrade main line disconnects to gang operated air break switch	Complete	Jun-12	
			Perform accelerated backbone assessment	Complete	Jun-12	
			Perform accelerated three phase assessment	Complete	Jun-12	
			Engineering review for the installation of an additional main line recloser	Complete	Jul-12	
			Complete forestry assessment of three phase for SAIFI analysis	Complete	Sep-12	
			Proactive every other month main line forestry inspection	Complete	Sep-12	
			Spot main line tree trimming and removals	Complete	Oct-12	
			Proactive every other month main line forestry inspection	Complete	Nov-12	
			Spot tree trimming and removals	Complete	Dec-12	
			Proactive every other month main line forestry inspection	Complete	Feb-13	
			Replace additional main line crossarms from assessment	Complete	Apr-13	
Spot tree trimming and removals	To be completed 2013					
Proactive every other month main line forestry inspection	To be completed 2013					
Comprehensive circuit patrol	To be completed 2013					
16	Campbelltown	00634-2	<i>Performance was primarily driven by line failures (61%) and outages of unknown cause (35%).</i>			
			Comprehensive tree trimming	Complete	Jun-12	
			Accelerated patrol of circuit backbone and three phase	Complete	Aug-12	
			Install fault indicators two locations	Complete	Aug-12	
			Replace recloser on circuit backbone	Complete	Feb-13	
			Perform accelerated backbone circuit assessment	To be completed 2013		
Replace poles at three locations to improve clearance	To be completed 2013					

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
17	North Lebanon	00712-2	Performance was primarily driven by vehicle accidents (55%) and tree caused outages (36%). Replace deteriorated crossarm Perform accelerated backbone circuit assessment Comprehensive tree trimming Replace recloser and control with triple single unit Replace broken switch 71216	To be completed 2013		
				To be completed 2013		
				To be completed 2013		
				To be completed 2013		
				To be completed 2013		
18	Broad Street	00776-2	Performance was primarily driven by equipment failure (59%), vehicle accidents (27%) and line failures (10%) Comprehensive tree trimming Replace underground cable - seven spans Repair broken switch 77666	Complete	Dec-12	
				Complete	Feb-13	
				To be completed 2013		
				To be completed 2013		
19	Angelica	00129-1	Performance was driven by trees non-preventable outages (49%) and an outage caused by lightning during a severe storm event (27%). Complete circuit patrol Comprehensive tree trimming on substation source circuit Perform accelerated backbone and three phase circuit assessment	Complete	May-12	
				Complete	Dec-12	
				To be completed 2013		
20	N. Bangor	00826-3	Performance was driven by trees non-preventable which contributed 35% of circuit minutes and 25% of minutes due to an outage of unknown cause on 11/28/12. Perform accelerated backbone and three phase assessment Forestry to perform mid cycle inspection Perform accelerated backbone and three phase circuit assessment Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Mar-12	4Q2011
				Complete	Nov-12	3Q2012
				To be completed 2013		4Q2012
				To be completed 2013		1Q2013
21	Frystown	00701-2	Performance was primarily driven by equipment failure (29%), line failure (21%), tree caused damage (22%), outages of unknown origin (16%) and motor vehicle accidents (6%). Comprehensive circuit patrol Replace insulators on three phase at one location Repair broken switch 75966 and return lead to Stauchburg substation Performance was driven by three outages during a severe weather event caused by wind and a tree (90%)	To be completed 2013		
				To be completed 2013		
				To be completed 2013		
				To be completed 2013		
22	Bern Church	00791-1	Install additional main line tap fuses Spot forestry inspection Perform accelerated backbone and three phase circuit assessment	Complete	Jun-12	
				Complete	Aug-12	
				To be completed 2013		

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Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
23	West Boyertown	00717-1	<i>Performance was driven by two trees non-preventable outages (77%)</i>			2Q2012 3Q2012 4Q2012 1Q2013
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Comprehensive tree trimming	Complete	Oct-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Install additional main line tap fuses	To be completed 2013		
24	N. Bangor	00814-3	<i>Performance was driven by an outage of unknown cause during a storm on 8/4/12 which contributed 48% of minutes and trees non-preventable during a storm on 1/31/13 which contributed 26% of minutes</i>			
			Install two Supervisory Control And Data Acquisition (SCADA) switches	To be completed 2013		
			Perform wood pole inspection	To be completed 2013		
25	Barto	00706-1	<i>Performance was driven by a transmission substation equipment problem (42%) and two outages during a severe weather event caused by trees (34%)</i>			
			Spot forestry patrol	Complete	Jan-12	
			Install additional main line tap fuses	Complete	Apr-12	
			Comprehensive tree trimming	Complete	Apr-12	
			Transmission substation equipment repair	Complete	Jul-12	
			Engineering review for the installation of additional main line reclosers	Complete	Jul-12	
			Spot forestry inspection	Complete	Nov-12	
			Add fault indicators and repair anchor guy on tap	Complete	Mar-13	
Perform accelerated backbone and three phase circuit assessment	To be completed 2013					
26	Ortanna	00764-4	<i>Performance was driven by trees non-preventable outages at 29% of circuit minutes, a spacer cable issue at 24%, a vehicle accident at 18% and an overhead conductor issue at 17% of circuit minutes.</i>			
			Install twenty seven faulted circuit indicators at nine locations on the circuit	Complete	Jan-12	
			Comprehensive circuit patrol	To be completed 2013		
27	Collins	00761-2	<i>Performance was primarily driven by trees non-preventable outages (91%)</i>			
			Comprehensive tree trimming	Complete	Mar-13	
			Replace deteriorated crossarm	Complete	Jan-13	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Replace deteriorated crossarm	To be completed 2013		

Met/Ed	Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	28	Carsonia	00171-1	<p>Performance was driven by an outage caused by line failure while circuit was used as an alternate source (33%), an outage caused by lightning during a severe storm event (31%) and an outage caused by a fuse holder problem (23%).</p> <p>Perform accelerated backbone assessment</p> <p>Create new circuit tie</p> <p>Perform accelerated backbone assessment</p>	<p>Complete</p> <p>Complete</p> <p>To be completed 2013</p>	<p>Sep-12</p> <p>Mar-13</p>	
	29	Lickdale	00625-2	<p>Performance was primarily driven by tree caused damage (57%), equipment damage (19%), a motor vehicle accident (13%) and an outage of unknown origin (7%)</p> <p>pole replacement</p>	To be completed 2013		
	30	Cly	00722-4	<p>Performance was driven by trees non-preventable outages (84% of minutes)</p> <p>Install radio controlled switch and radio controlled recloser with fault indicators</p> <p>Perform accelerated circuit reliability assessment of backbone</p> <p>Perform accelerated circuit reliability assessment of three phase</p> <p>Perform mid cycle forestry patrol</p> <p>Forestry to perform on mid cycle backbone circuit tree trimming</p> <p>Replace/repair high priority items identified during circuit patrol</p> <p>Perform wood pole inspection</p> <p>Perform accelerated backbone and three phase circuit assessment</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>To be completed 2013</p> <p>To be completed 2013</p> <p>To be completed 2013</p>	<p>Oct-12</p> <p>Dec-12</p> <p>Dec-12</p> <p>Dec-12</p> <p>Dec-12</p>	
	31	Newberry	00586-4	<p>Performance was driven by non-preventable tree caused outages (63% of minutes).</p> <p>Perform accelerated circuit reliability assessment of backbone</p> <p>Perform accelerated circuit reliability assessment of three phase</p> <p>Install fault indicators on the circuit three phase backbone.</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p>	<p>Jul-12</p> <p>Jul-12</p> <p>May-12</p>	
	32	South Hamburg	00743-1	<p>Performance was driven by two outages caused by crossarm problems (44%) and trees non-preventable outages (38%).</p> <p>Perform accelerated backbone assessment</p> <p>Line Manager main line patrol</p> <p>Main line crossarm replacements</p> <p>Engineering review for the installation of an additional main line recloser</p> <p>Comprehensive tree trimming</p> <p>Replace main line crossarm from backbone assessment</p> <p>Replace additional main line crossarms from backbone assessment</p> <p>Comprehensive circuit patrol</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>To be completed 2013</p> <p>To be completed 2013</p>	<p>Jul-12</p> <p>Jul-12</p> <p>Jul-12</p> <p>Jul-12</p> <p>Dec-12</p> <p>Jan-13</p>	

Met:Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
33	Shawnee	00860-3	Performance was driven by an insulator failure on 1/2/13 which contributed 63% of minutes, and trees which contributed 20% of minutes.			4Q2011 1Q2012 2Q2012 3Q2012 1Q2013
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated single phase assessment	Complete	Feb-12	
			Install Supervisory Control and Data Acquisition (SCADA) controlled switch	Complete	Sep-12	
			Replace three sets of fault indicators	Complete	Jun-12	
			Repair conditioned items from circuit assessment	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
Forestry to perform on cycle comprehensive tree trimming	To be completed 2013					
34	N. Bangor	00813-3	Performance was driven by trees non-preventable which contributed 80% of circuit minutes.			
			Install new electronic recloser	To be completed 2013		
35	Grantville	00720-2	Performance was primarily driven by tree caused damage (38%), equipment damage (37%) and a scissor lift contacting the line (16%).			
			Repair pole top	Complete	Mar-13	
			Perform wood pole inspection	Complete	Mar-13	
			Comprehensive tree trimming	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
Replace recloser with new triple-single unit	To be completed 2013					
36	Birchwood	00624-3	Performance was driven by a vehicle accident on 4/9/12 which contributed 40% of circuit minutes and an insulator failure on 5/4/12 which contributed 46% of circuit minutes.			
			Perform accelerated backbone circuit assessment	To be completed 2013		
37	Windsor	00795-4	Performance was driven by trees non-preventable outages (79% of minutes).			4Q2011 1Q2012 3Q2012 1Q2013
			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	Dec-12	
			Comprehensive circuit patrol	To be completed 2013		
Replace/repair high priority items identified during circuit patrol	To be completed 2013					

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
38	Taxville	00572-4	Performance was driven by vehicle caused outages (77% of minutes).			
			Perform accelerated circuit reliability assessment of backbone	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Jun-12	
			Perform SAIFI analysis initiative study	Complete	Apr-12	
			Install fault indicators on the circuit three phase backbone.	Complete	Sep-12	
			Replace/repair high priority items identified during circuit patrol	Complete	Sep-12	
			Install additional fuse on the circuit	Complete	Oct-12	
			Comprehensive tree trimming	Complete	Mar-13	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Circuit performance was driven by vehicle caused outages (79% of minutes).			
	Yerkana	00708-4	Perform accelerated circuit reliability assessment of backbone	Complete	May-12	4Q2011
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	1Q2012
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	May-12	2Q2012
			Personal letter to be sent to each customer on this circuit explaining reliability improvements	Complete	May-12	3Q2012
			Reconfigure circuit to minimize line exposure	Complete	May-12	4Q2012
			Perform accelerated single phase assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Performance was primarily driven by lightning damage (40%), vehicle accidents (25%), line failures (20%) and tree caused outages (9%).			
				Frystown	00702-2	Review step bank fusing
Perform accelerated three phase circuit assessment	Complete	Jun-12				2Q2012
Replace crossarm and broken insulators	Complete	Jun-12				3Q2012
Perform accelerated backbone circuit assessment	To be completed 2013					4Q2012
Comprehensive circuit patrol	To be completed 2013					
Install fault indicators at one location	To be completed 2013					
Replace deteriorated crossarm	To be completed 2013					

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Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Ringling Rocks	00708-1	<i>Performance driven by trees non-preventable outages (53%) and a vehicle accident (12%).</i>			4Q2011 1Q2012 2Q2012 3Q2012
			Install additional main line tap fuses	Complete	Jan-12	
			Install additional main line recloser	Complete	Mar-12	
			Complete forestry assessment of three phase for SAIFI analysis	Complete	May-12	
			Complete accelerated backbone and three phase assessment for SAIFI analysis	Complete	Jun-12	
			Install additional main line tap fuses	Complete	Aug-12	
			Spot forestry inspection	Complete	Nov-12	
			Comprehensive tree trimming	Complete	Mar-13	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Swatara Hill	00764-2	<i>Performance was primarily driven by vehicle accidents (55%), outages of unknown origins (18%), equipment failure (14%) and line failures (8%).</i>			
			Perform accelerated backbone and three phase circuit assessment	Complete	May-12	
			Replace deteriorated crossarm	Complete	Nov-12	
			Replace deteriorated crossarm	Complete	Nov-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Glendon	00818-3	<i>Performance was driven by lightning which contributed 45% of circuit minutes, equipment failure which contributed 31% of minutes and line failure which contributed 14% of minutes.</i>			4Q2011 1Q2012 2Q2012 3Q2012
			Perform accelerated backbone and three phase assessment	Complete	Mar-12	
			Reconductor three spans of main line	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Jan-13	
			Reconductor three spans of main line	To be completed 2013		
			Forestry to perform on cycle comprehensive circuit tree trimming	To be completed 2013		
	South Lebanon	00772-2	<i>Performance was primarily driven by vehicle accidents (57%), tree caused damage (21%) and forced outages (16%).</i>			
			Perform accelerated three phase circuit assessment	Complete	12-Jul	
			Perform accelerated backbone assessment	Complete	12-Jul	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace deteriorated crossarm	To be completed 2013		
			Install fault indicators at two locations	To be completed 2013		

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Shawnee	00822-3	<p>Performance was driven by non-preventable trees which contributed 41% of circuit minutes and equipment failure which contributed 24% of circuit minutes.</p> <p>Comprehensive tree trimming</p> <p>Perform accelerated backbone and three phase assessment</p> <p>Install fault indicators</p> <p>Replace three sets of fault indicators</p> <p>Repair conditioned items from circuit assessment</p> <p>Perform accelerated backbone and three phase circuit assessment</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>To be completed 2013</p>	<p>Jan-12</p> <p>Jan-12</p> <p>Mar-12</p> <p>Aug-12</p> <p>Sep-12</p>	<p>3Q2011</p> <p>4Q2011</p> <p>1Q2012</p> <p>4Q2012</p>
	Dillsburg	0074E-4	<p>Performance was driven by a conductor problem that accounted for 63% of circuit minutes and trees that accounted for 19%.</p> <p>Perform replacement of one priority one pole</p> <p>Perform fuse changes at five locations to improve circuit coordination</p> <p>Perform accelerated circuit reliability assessment of three phase</p> <p>Perform accelerated backbone assessment</p> <p>Replace high priority items identified during circuit patrol</p> <p>Perform accelerated backbone circuit assessment</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>To be completed 2013</p>	<p>Feb-12</p> <p>Jun-12</p> <p>Aug-12</p> <p>Aug-12</p> <p>Dec-12</p>	
	Allen	00503-4	<p>Performance was driven by trees at 49% of circuit minutes and a vehicle related outage accounting for 22%.</p> <p>Perform fuse changes at five locations to improve circuit coordination</p> <p>Perform accelerated circuit reliability assessment of mainline</p> <p>Perform accelerated circuit reliability assessment of three phase</p> <p>Perform accelerated backbone circuit assessment</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p> <p>To be completed 2013</p>	<p>Jun-12</p> <p>Sep-12</p> <p>Sep-12</p>	
	Belfast	00612-3	<p>Performance was driven by a conductor problem on 8/4/12 which contributed 45% of circuit minutes and non-preventable trees which contributed 36% of circuit minutes.</p> <p>Perform accelerated backbone circuit assessment</p> <p>Comprehensive tree trimming</p>	<p>To be completed 2013</p> <p>To be completed 2013</p>		
	Lynnville	00737-1	<p>Performance was driven by trees non-preventable outages (67%).</p> <p>Perform faulted circuit indicator installation engineering study</p> <p>Perform mid-cycle forestry patrol</p> <p>Perform accelerated three phase assessment</p> <p>Perform accelerated backbone assessment</p> <p>Install overhead fault indicators at nine locations</p> <p>Replace mainline recloser battery</p> <p>Perform accelerated backbone and three phase assessment</p> <p>Complete engineering mainline coordination study</p> <p>Perform accelerated backbone and three phase assessment</p> <p>Comprehensive tree trimming</p>	<p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>Complete</p> <p>To be completed 2013</p> <p>To be completed 2013</p>	<p>Aug-11</p> <p>Dec-11</p> <p>Dec-11</p> <p>Dec-11</p> <p>Dec-11</p> <p>May-12</p> <p>Jul-12</p> <p>Jan-13</p>	<p>3Q2011</p> <p>4Q2011</p> <p>1Q2012</p> <p>2Q2012</p>



Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Bernville	00787-1	<i>Performance was driven by trees non-preventable outages (76%).</i>			3Q2011 4Q2011 1Q2012 2Q2012
			Replace mainline crossarm	Complete	Sept-11	
			Repair mainline switch	Complete	Oct-11	
			Mainline forestry spot tree trimming and removal	Complete	Dec-11	
			Perform accelerated three phase and backbone assessment	Complete	Dec-11	
			Comprehensive circuit patrol	Complete	Apr-12	
			Replace crossarms from circuit assessment	Complete	Apr-12	
			Replace batteries on mainline reclosers	Complete	Jun-12	
			Replace arresters on mainline recloser	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Comprehensive tree trimming	To be completed 2013				
	Windsor	00796-4	<i>Performance was driven by non-preventable tree caused outages (59% of minutes) and one vehicle caused outage (36% of minutes).</i>			3Q2011 4Q2011 1Q2012 2Q2012
			Perform accelerated backbone and three phase assessment	Complete	Dec-11	
			Install additional fusing on the circuit	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	May-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	
			Install additional fuse on the circuit	Complete	Mar-12	
			Comprehensive tree trimming	Complete	Dec-12	
	Comprehensive circuit patrol	Complete	Feb-13			
	Windsor	00797-4	<i>Performance was driven by non-preventable tree caused outages (61% of minutes).</i>			3Q2011 4Q2011 1Q2012 2Q2012
			Perform accelerated backbone and three phase assessment	Complete	Nov-11	
			Install additional fusing on the circuit	Complete	Mar-12	
			Install additional fusing on the circuit	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Jun-12	
			Replace/repair high priority items identified during circuit patrol	Complete	Dec-12	
			Comprehensive tree trimming	Complete	Nov-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	Dec-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Dec-12	
	Replace/repair high priority items identified during circuit patrol	To be completed 2013				
	Comprehensive circuit patrol	Complete	Mar-13			

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
			<i>Performance was driven by vehicle accidents which contributed 52% of circuit minutes.</i>			
	S. Nazareth	00803-3	Install fault indicators Perform SAIFI analysis initiative study Perform accelerated backbone and three phase assessment Comprehensive tree trimming Install SCADA controlled switch Replace porcelain cutouts on circuit backbone with polymer cutouts Perform accelerated backbone and three phase circuit assessment	Complete Complete Complete Complete Complete To be completed 2013	Nov-11 Dec-11 Feb-12 Mar-12 May-12 Dec-12	3Q2011 4Q2011 1Q2012 2Q2012
			<i>Performance was driven by non-preventable trees which contributed 63% of circuit minutes and lightning which contributed 26% of circuit minutes.</i>			
	Fox Hill	00815-3	Study automation of sectionalizer on circuit Perform accelerated backbone and three phase assessment Correct fuse miscoordinations identified during SAIFI analysis Replace sectionalizer with SCADA switch Comprehensive tree trimming Perform accelerated backbone and three phase circuit assessment	Complete Complete Complete Complete Complete To be completed 2013	Sep-11 Jan-12 Mar-12 Mar-12 Apr-12	3Q2011 4Q2011 1Q2012 2Q2012
			<i>Performance was driven by trees at 76% of circuit minutes. One tree retained outage accounted for 66% of the circuit's minutes.</i>			
	Dillsburg	00749-4	Perform accelerated circuit reliability assessment of mainline Perform accelerated circuit reliability assessment of three phase Perform accelerated circuit reliability assessment of single phase Install a total of six fault circuit indicators at two locations on the circuit Perform SAIFI analysis initiative study Replace/repair high priority items identified during circuit patrol Perform replacement of five priority one poles 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 To be completed 2013	Jul-11 Aug-11 Aug-11 Nov-11 Dec-11 Mar-12 Mar-12 May-12 May-12 Nov-12	3Q2011 4Q2011 1Q2012 2Q2012

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	North Lebanon	00715-2	<i>Performance was primarily driven by wind caused damage (62%) and vehicle accidents (32%).</i>			3Q2011 4Q2011 1Q2012 2Q2012
			Install fault indicators at four locations	Complete	Sep-11	
			Replace deteriorated crossarm	Complete	Feb-12	
			Replace deteriorated crossarm	Complete	Mar-12	
			Forestry patrol of backbone and all of three phase beyond recloser 71512	Complete	Mar-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
	Friedensburg	00769-1	<i>Performance driven by a substation disconnect problem (28%), an outage caused by an arrester problem (26%) and an outage caused by lightning (22%).</i>			
			Replace crossarms from circuit assessment	Complete	Feb-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Install additional mainline disconnects and fault indicators at one location	To be completed 2013		
	Lyons	00729-1	<i>Performance was driven by trees non-preventable outages (66%) and an outage caused by a fuse holder problem (20%).</i>			
			Comprehensive tree trimming	Complete	Nov-12	
			Mainline forestry inspection	Complete	Nov-12	
			Comprehensive circuit patrol	To be completed 2013		
	Dillsburg	00746-4	<i>Performance was driven by a conductor problem that accounted for 63% of circuit minutes and a tree related outage that accounted for 17% of the circuit minutes.</i>			
			Perform accelerated circuit reliability assessment of three phase	Complete	Aug-12	
			Perform accelerated backbone assessment	Complete	Aug-12	
			Replace high priority items identified during circuit patrol	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Yoe	00559-4	<i>Performance was driven by a line failure caused outages (82% of minutes).</i>			
			Perform mid-cycle forestry patrol	Complete	Aug-12	
			Replace/repair high priority items identified during circuit patrol	Complete	Oct-12	
			Comprehensive circuit patrol	To be completed 2013		
	Ottsville	00661-3	<i>Performance was driven by non-preventable trees which contributed to 77% of circuit minutes.</i>			
			Install recloser	Complete	Aug-12	
			Comprehensive tree trimming	To be completed 2013		

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Joint 1st Quarter 2013 Reliability Report – :  
Pennsylvania Power Company, :  
Pennsylvania Electric Company and :  
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Harrisburg, PA 17101

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555 Walnut Street – 5<sup>th</sup> Floor  
Harrisburg, PA 17101-1923

Dated: April 30, 2013



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Pennsylvania Power Company

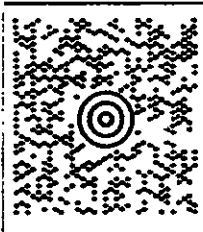
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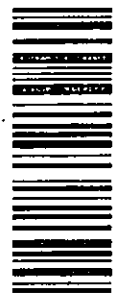
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