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August 1, 2013

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AUG 1 - 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 2<sup>nd</sup> Quarter 2013 Reliability Report – Metropolitan Edison Company,  
Pennsylvania Electric Company and Pennsylvania Power Company – Public  
Version**

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of Metropolitan Edison Company, Pennsylvania Electric Company and Pennsylvania Power Company (collectively, the "Companies") are two copies of the Joint 2<sup>nd</sup> 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,

David J. Karafa  
President, Pennsylvania Operations  
(610) 921-6060  
dkarafa@firstenergycorp.com

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

**PennPower**  
A FirstEnergy Company

**Penelec**  
A FirstEnergy Company

**Met-Ed**  
A FirstEnergy Company



## Joint 2013 2<sup>nd</sup> Quarter Reliability Report

Pennsylvania Power Company,  
Pennsylvania Electric Company and  
Metropolitan Edison Company

**RECEIVED**

AUG 1 - 2013

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

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

## Joint 2<sup>nd</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

FirstEnergy Company	Customers Affected	Time and Duration of the Event		Cause of the Event	Commission Approval Status
<b>Penelec</b>	21,161	Duration	12 hours and 6 minutes	Transmission Outage	Pending; Request for Exclusion submitted to PaPUC on August 1, 2013
		Start Date/Time	May 14, 2013 3:09 pm		
		End Date/Time	May 15, 2013 3:15 am		

<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

2Q 2013 (12-Mo Rolling)	Penn Power			Met-Ed		
	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual
SAIFI	1.12	1.34	1.01 <sup>2</sup>	1.15	1.38	1.33
CAIDI	101	121	174 <sup>3</sup>	117	140	112 <sup>4</sup>
SAIDI	113	162	176 <sup>3</sup>	135	194	150
MAIFI			0.80			2.02
Customers Served <sup>5</sup>	158,329			548,999		
Number of Sustained Interruptions	3,528			8,621		
Customers Affected	160,308			732,332		
Customer Minutes	27,862,586			82,361,243		

Penelec 2Q 2013 (12-Mo Rolling)	Benchmark	12-Month Standard	12-Month Actual assuming approval of Major Event Exclusion filed on August 1, 2013	12-Month Actual assuming denial of Major Event Exclusion filed on August 1, 2013
SAIFI	1.26	1.52	1.47	1.51
CAIDI	117	141	121	126
SAIDI	148	213	178	191
MAIFI			4.04	4.04
Customers Served			583,237	583,237
Number of Sustained Interruptions			10,859	10,933
Customers Affected			859,694	880,855
Customer Minutes			104,089,903	111,132,555

<sup>2</sup> Penn Power's SAIFI is better than benchmark due to initiatives put into place to reduce the number of customers affected by outages. Examples of these SAIFI initiatives include enhanced tree trimming, transmission priority repairs and targeted line improvements on the worst performing circuits and devices.

<sup>3</sup> Penn Power's higher-than-normal CAIDI and SAIDI is directly attributed to two non-excludable storm events that occurred on April 10 and June 25 as well as a transmission outage that occurred on June 23.

<sup>4</sup> Met-Ed's CAIDI is better than benchmark due to the limited number of minor storm events this year. Met-Ed continues to focus on improvements to the circuit backbones. Additionally, the Company continues to install reclosers and fuses in order to minimize the impact of outages.

<sup>5</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 and Met-Ed’s rankings of the 5% Worst Performing Circuits are provided in Attachment A to this report.

Penelec’s ranking of the 5% Worst Performing Circuits will be provided in a supplemental submission following a final outcome on Penelec’s August 1, 2013 Major Event Exclusion request.

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

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

Penelec's ranking of the 5% Worst Performing Circuits will be provided in a supplemental submission following a final outcome on Penelec's August 1, 2013 Major Event Exclusion request.

*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<sup>6</sup>**

Outages by Cause				
2nd Quarter 2013 12-Month Rolling	Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
LIGHTNING	3,490,418	720	16,999	20.41%
TREES/NOT PREVENTABLE	9,878,714	712	29,166	20.18%
ANIMAL	991,284	470	18,372	13.32%
EQUIPMENT FAILURE	1,677,517	344	18,466	9.75%
BIRD	266,315	333	3,327	9.44%
LINE FAILURE	2,349,561	282	18,479	7.99%
TREES OFF ROW-TREE	4,635,187	135	20,150	3.83%
OVERLOAD	202,707	80	2,349	2.27%
UNKNOWN	288,447	75	2,968	2.13%
VEHICLE	977,431	75	9,075	2.13%
PREVIOUS LIGHTNING	58,763	70	212	1.98%
FORCED OUTAGE	675,298	58	9,286	1.64%
TREES OFF ROW-LIMB	326,834	38	2,049	1.08%
HUMAN ERROR -NON-COMPANY	203,226	32	1,374	0.91%
TREES - SEC/SERVICE	39,756	21	82	0.60%
TREES/PREVENTABLE	72,042	19	853	0.54%
TREES ON ROW	1,063,244	17	2,568	0.48%
OBJECT CONTACT WITH LINE	423,021	10	2,614	0.28%
CUSTOMER EQUIPMENT	186,576	9	1,446	0.26%
UG DIG-UP	22,153	9	213	0.26%
HUMAN ERROR - COMPANY	14,450	8	157	0.23%
CONTAMINATION	6,225	3	41	0.09%
VANDALISM	2,765	3	28	0.09%
WIND	5,648	3	16	0.09%
FIRE	4,368	1	14	0.03%
OTHER ELECTRIC UTILITY	636	1	4	0.03%
<b>Total</b>	<b>27,862,586</b>	<b>3,528</b>	<b>160,308</b>	<b>100.00%</b>

<sup>6</sup> In May 2013, new outage cause codes were added to help better categorize tree related outages. Definitions of these codes are as follows:

- Trees On ROW - An outage caused by tree that has grown into or contacted a Penn Power primary within the distribution clearing zone
- Trees Off ROW-Tree - An outage caused by tree that has fallen into a Penn Power primary outside the distribution clearing zone
- Trees Off ROW-Limb - An outage caused by tree limb that has fallen into a Penn Power primary outside the distribution clearing zone
- Trees - Sec/Service - An outage caused by tree that has grown into or contacted a Penn Power secondary or service.

## Proposed Solutions – Penn Power

### Lightning

The number of lightning-caused outages is mitigated through Penn Power's reliability improvement strategy. This includes inspection and maintenance practices such as circuit inspections and annual main feed inspections. These inspections can locate blown lightning arresters, broken grounds and other condition items which could lead to higher lightning-caused outages. Substations also contain lightning protection through equipment such as arresters and grounding. These items are maintained by the substation group based on the substation practices. Distribution protection coordination reviews allow for a fewer number of customers affected and quicker isolation of the affected circuit sections. In addition, Penn Power conducts periodic reviews of multi-operation devices to identify causes and trends and will engineer solutions to reduce the frequency of the outages.

### 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.

### 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.

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

Outages by Cause – Penelec

Penelec's Outage by Cause and Proposed Solutions will be provided in a supplemental submission following a final outcome on Penelec's August 1, 2013 Major Event Exclusion request.

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

Proposed Solutions – Penelec

Penelec's Outage by Cause and Proposed Solutions will be provided in a supplemental submission following a final outcome on Penelec's August 1, 2013 Major Event Exclusion request.

Outages by Cause – Met-Ed<sup>7</sup>

Outages by Cause				
2nd Quarter 2013 12-Month Rolling	Met-Ed			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
EQUIPMENT FAILURE	16,083,121	1,966	185,521	22.80%
TREES/NOT PREVENTABLE	25,320,720	1,568	141,125	18.19%
UNKNOWN	7,441,571	1,166	104,529	13.53%
ANIMAL	1,624,902	1,070	18,969	12.41%
LIGHTNING	5,994,338	772	43,519	8.95%
LINE FAILURE	6,379,821	556	50,697	6.45%
FORCED OUTAGE	3,454,208	308	64,173	3.57%
VEHICLE	5,918,985	274	39,172	3.18%
BIRD	320,976	184	3,272	2.13%
TREES OFF ROW-TREE	3,863,590	182	27,498	2.11%
TREES/PREVENTABLE	1,587,130	104	12,031	1.21%
OVERLOAD	431,892	68	7,713	0.79%
HUMAN ERROR -NON-COMPANY	880,470	57	6,755	0.66%
TREES OFF ROW-LIMB	376,873	55	4,208	0.64%
TREES ON ROW	432,590	52	3,100	0.60%
PREVIOUS LIGHTNING	118,661	49	582	0.57%
TREES - SEC/SERVICE	69,156	34	267	0.39%
HUMAN ERROR - COMPANY	175,254	30	8,344	0.35%
UG DIG-UP	66,962	29	304	0.34%
WIND	841,174	27	743	0.31%
OBJECT CONTACT WITH LINE	760,058	26	5,767	0.30%
CUSTOMER EQUIPMENT	142,680	19	874	0.22%
VANDALISM	4,016	8	35	0.09%
OTHER ELECTRIC UTILITY	17,926	6	2,510	0.07%
FIRE	11,374	5	169	0.06%
OTHER UTILITY-NON ELEC	41,052	4	422	0.05%
CONTAMINATION	1,743	2	33	0.02%
<b>Total</b>	<b>82,361,243</b>	<b>8,621</b>	<b>732,332</b>	<b>100.00%</b>

<sup>7</sup> In May 2013, new outage cause codes were added to help better categorize tree related outages. Definitions of these codes are as follows:

Trees On ROW - An outage caused by tree that has grown into or contacted a Met-Ed primary within the distribution clearing zone

Trees Off ROW-Tree - An outage caused by tree that has fallen into a Met-Ed primary outside the distribution clearing zone

Trees Off ROW-Limb - An outage caused by tree limb that has fallen into a Met-Ed primary outside the distribution clearing zone

Trees - Sec/Service - An outage caused by tree that has grown into or contacted a Met-Ed secondary or service

## Proposed Solutions – Met-Ed

### Equipment Failure

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

### 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.

### 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	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD
<b>Forestry</b>	Transmission (Miles)	77.97	6.19	6.19	422.30	137.94	181.09	395.17	88.13	172.72
	Distribution (Miles)	1,183	219	571	4,636	1,034	2,012	2,837	780	1,298
<b>Transmission</b>	Aerial Patrols	2	1	1	2	1	1	2	1	1
	Groundline	0	0	0	1,268	445	445	0	0	0
<b>Substation</b>	General Inspections	924	231	462	4,895	1,236	2,459	2,592	648	1,296
	Transformers	126	17	69	687	173	614	326	46	121
	Breakers	47	3	9	310	115	238	147	52	65
	Relay Schemes	40	8	9	189	61	120	321	190	251
<b>Distribution</b>	Capacitors	1,007	0	1,009	8,677	0	8,677	4,691	0	4,691
	Poles	10,900	3,437	3,437	41,111	14,577	23,648	31,159	11,183	25,048
	Reclosers	773	465	642	2,568	0	0	1,033	171	370
	Radio-Controlled Switches	Penn Power has no radio-controlled switches			2,294	982	1,149	130	65	65

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>8</sup>*

Penn Power					
T&D O&M - 2Q/YTD June 2013					
Category	Q2 Actuals	Q2 Budget	Q2 YTD Actuals	Q2 YTD Budget	Annual Budget
<b>Transmission</b>					
560 Operation Supervision & Engineering	0	0	(1)	0	0
561 Load Dispatching	24,788	22,404	66,291	44,807	89,615
565 Transmission of Electricity by Others	1,306,586	3,123,152	3,291,575	6,221,285	12,503,411
566 Miscellaneous Transmission Expenses	6,524	43,976	15,814	86,529	172,213
568 Maintenance Supervision & Engineering	2,140	(603)	4,557	(1,107)	(2,405)
569 Maintenance of Structures	5,133	15,788	10,583	32,399	68,502
570 Maintenance of Station Equipment	832	1,113	1,525	2,314	4,628
571 Maintenance of Overhead Lines	165,719	(1,368)	191,650	1,797	14,222
573 Maintenance of Miscellaneous Transmission Plant	(704)	2	(2,058)	4	7
575 Market Administration, Monitoring & Compliance Services	4,761	5,750	12,507	11,500	23,000
<b>Transmission Total</b>	<b>1,515,780</b>	<b>3,210,214</b>	<b>3,592,443</b>	<b>6,399,526</b>	<b>12,873,193</b>
<b>Distribution</b>					
580 Operation Supervision & Engineering	0	0	(2,660)	0	81,257
582 Station Expenses	1,800	15,946	4,185	31,596	63,940
583 Overhead Line Expenses	4,063	0	4,063	0	0
584 Underground Line Expenses	51,950	67,010	84,428	139,863	279,703
586 Meter Expenses	18,278	24,849	39,323	53,592	108,157
588 Miscellaneous Distribution Expenses	282,117	252,980	567,122	450,844	1,007,020
589 Rents	98,973	86,008	192,604	170,842	342,528
590 Maintenance Supervision & Engineering	23,744	4,686	52,144	16,482	39,663
592 Maintenance of Station Equipment	167,744	8,859	356,553	37,223	110,396
593 Maintenance of Overhead Lines	1,640,988	1,336,863	3,556,795	2,698,941	5,178,051
594 Maintenance of Underground Lines	400,601	0	641,957	0	0
596 Maintenance of Street Lighting & Signal Systems	119,800	92,885	266,642	179,342	305,675
597 Maintenance of Meters	174,736	121,773	330,460	251,704	505,111
598 Maintenance of Miscellaneous Distribution Plant	70,703	89,961	118,823	184,890	390,604
<b>Distribution Total</b>	<b>3,055,498</b>	<b>2,101,820</b>	<b>6,212,438</b>	<b>4,215,319</b>	<b>8,412,104</b>
<b>Penn Power Grand Total</b>	<b>4,571,278</b>	<b>5,312,034</b>	<b>9,804,881</b>	<b>10,614,845</b>	<b>21,285,297</b>

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

<b>Penelec</b>						
T&D O&M - 2Q/YTD June 2013						
Category	Q2 Actuals	Q2 Budget	Q2 YTD Actuals	Q2 YTD Budget	Annual Budget	
<b>Transmission</b>						
560	Operation Supervision & Engineering	6,345	27,694	12,579	34,452	69,161
561	Load Dispatching	95,152	157,571	280,239	325,761	656,152
562	Station Expenses	2,842	0	(8,954)	0	0
563	Overhead Lines Expenses	2,494	2,827	262,641	279,263	355,919
565	Transmission of Electricity by Others	1,225,420	1,069,490	1,646,792	1,439,826	6,376,335
566	Miscellaneous Transmission Expenses	85,374	346,752	206,404	696,959	1,387,159
567	Rents	680,663	637,522	1,332,254	1,283,865	2,566,332
568	Maintenance Supervision & Engineering	82,756	25,779	159,375	60,271	122,011
569	Maintenance of Structures	75,522	75,115	161,681	154,281	326,047
570	Maintenance of Station Equipment	637,432	101,640	981,331	207,416	410,675
571	Maintenance of Overhead Lines	1,480,180	802,583	2,837,078	1,592,784	3,198,069
572	Transmission-Maintenance Of Underground Lines	0	0	346	0	0
573	Maintenance of Miscellaneous Transmission Plant	21,364	1	48,419	2	5
575	Market Administration, Monitoring & Compliance Services	11,122	15,150	29,192	30,301	60,602
<b>Transmission Total</b>		<b>4,406,667</b>	<b>3,262,125</b>	<b>7,949,377</b>	<b>6,105,180</b>	<b>15,528,467</b>
<b>Distribution</b>						
580	Operation Supervision & Engineering	20,135	28,429	87,449	81,594	541,782
581	Load Dispatching	74,171	96,139	174,209	202,900	410,428
582	Station Expenses	12,814	0	40,490	0	0
583	Overhead Line Expenses	46,342	22,262	57,944	37,425	62,112
584	Underground Line Expenses	234,219	216,245	366,632	432,490	864,979
585	Distribution-Street Lighting & Signal System Expenses	0	0	(655)	0	0
586	Meter Expenses	135,251	147,089	290,733	313,478	629,820
588	Miscellaneous Distribution Expenses	1,613,853	998,893	3,096,671	1,706,645	3,747,334
589	Rents	524,541	405,683	746,386	808,141	1,616,266
590	Maintenance Supervision & Engineering	112,449	24,312	246,888	81,661	195,781
592	Maintenance of Station Equipment	891,744	1,330,199	1,760,900	2,727,089	5,547,134
593	Maintenance of Overhead Lines	4,850,674	3,810,717	9,070,054	6,839,743	13,777,742
594	Maintenance of Underground Lines	498,083	659	864,702	1,429	2,858
596	Maintenance of Street Lighting & Signal Systems	188,407	553,441	426,078	1,145,983	2,329,580
597	Maintenance of Meters	470,875	495,325	878,965	994,395	2,015,938
598	Maintenance of Miscellaneous Distribution Plant	541,194	429,596	1,167,764	880,547	1,861,456
<b>Distribution Total</b>		<b>10,214,752</b>	<b>8,558,991</b>	<b>19,275,211</b>	<b>16,253,519</b>	<b>33,603,210</b>
<b>Penelec Grand Total</b>		<b>14,621,419</b>	<b>11,821,116</b>	<b>27,224,587</b>	<b>22,358,699</b>	<b>49,131,677</b>

<b>Met-Ed</b>						
T&D O&M - 2Q/YTD June 2013						
Category	Q2 Actuals	Q2 Budget	Q2 YTD Actuals	Q2 YTD Budget	Annual Budget	
<b>Transmission</b>						
560	Operation Supervision & Engineering	5,300	22,929	10,708	28,951	58,774
561	Load Dispatching	302,997	509,551	760,994	1,078,159	2,196,993
562	Station Expenses	17,737	0	32,706	0	0
563	Overhead Lines Expenses	11,078	16,342	15,279	22,117	24,767
565	Transmission of Electricity by Others	1,275,295	1,367,966	1,811,052	2,037,780	7,567,268
566	Miscellaneous Transmission Expenses	90,353	414,371	209,397	798,075	1,539,734
567	Rents	102,022	73,062	169,591	146,124	292,248
568	Maintenance Supervision & Engineering	72,858	22,984	140,094	53,475	108,178
569	Maintenance of Structures	65,263	67,571	141,025	138,779	293,263
570	Maintenance of Station Equipment	472,165	403,423	796,939	952,419	1,829,093
571	Maintenance of Overhead Lines	1,310,840	762,984	2,867,111	1,525,898	3,051,933
573	Maintenance of Miscellaneous Transmission Plant	11,716	481	24,605	6,812	7,170
575	Market Administration, Monitoring & Compliance Services	11,078	18,809	29,199	37,618	75,235
<b>Transmission Total</b>		<b>3,748,702</b>	<b>3,680,472</b>	<b>7,008,700</b>	<b>6,826,207</b>	<b>17,044,657</b>
<b>Distribution</b>						
580	Operation Supervision & Engineering	8,081	16,016	20,308	31,701	418,679
581	Load Dispatching	47,232	75,605	118,248	160,269	333,270
582	Station Expenses	246,203	432,507	338,261	716,904	1,518,279
583	Overhead Line Expenses	5,805	80,656	15,887	310,856	319,448
584	Underground Line Expenses	0	147,783	(3,857)	295,565	591,130
586	Meter Expenses	134,906	124,201	281,508	257,553	529,568
588	Miscellaneous Distribution Expenses	1,313,411	(277,161)	2,589,433	(1,012,606)	(1,707,739)
589	Rents	135,218	130,433	289,579	260,866	521,731
590	Maintenance Supervision & Engineering	100,747	21,692	221,234	73,046	175,141
591	Maintenance of Structures	1,377	3,878	5,455	7,612	15,607
592	Maintenance of Station Equipment	571,977	655,740	1,210,597	1,449,138	2,877,573
593	Maintenance of Overhead Lines	3,265,690	3,621,276	9,152,522	7,260,806	14,531,610
594	Maintenance of Underground Lines	710,650	148,495	1,408,658	292,851	585,621
596	Maintenance of Street Lighting & Signal Systems	203,970	146,596	323,387	288,756	577,427
597	Maintenance of Meters	543,238	524,251	1,025,352	1,032,595	2,078,356
598	Maintenance of Miscellaneous Distribution Plant	369,350	592,946	776,924	1,214,390	2,521,029
<b>Distribution Total</b>		<b>7,657,856</b>	<b>6,444,912</b>	<b>17,773,494</b>	<b>12,640,302</b>	<b>25,886,732</b>
<b>Met-Ed (Grand) Total</b>		<b>11,406,558</b>	<b>10,125,385</b>	<b>24,782,194</b>	<b>19,466,509</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>j</sup>*

<b>Penn Power</b>					
T&D Capital - 2Q / YTD June 2013					
<b>Category</b>	<b>Q2 Actuals</b>	<b>Q2 Budget</b>	<b>Q2 YTD Actuals</b>	<b>Q2 YTD Budget</b>	<b>Annual Budget</b>
Capacity	567,893	523,807	1,306,756	1,761,829	1,898,953
Condition	314,850	618,217	604,550	1,062,735	2,564,631
Facilities	5,397	687	7,825	1,501	1,501
Forced	1,463,448	1,650,060	2,526,908	3,199,120	6,271,967
Meter Related	112,576	47,297	249,578	87,756	187,050
New Business	1,125,974	573,436	2,363,437	1,348,330	2,438,400
Other	768,459	24,431	1,842,350	347,225	813,787
Reliability	434,106	818,860	805,746	1,704,967	5,028,877
Street Light	56,780	(1,094)	139,486	11,673	27,798
Tools & Equipment	51,508	19,817	85,363	34,718	100,895
Vegetation Management	1,507,006	1,694,098	2,891,768	3,155,128	6,156,508
<b>Penn Power Total</b>	<b>6,407,995</b>	<b>5,969,617</b>	<b>12,823,767</b>	<b>12,714,981</b>	<b>25,490,367</b>

<b>Penelec</b>					
T&D Capital - 2Q / YTD June 2013					
<b>Category</b>	<b>Q2 Actuals</b>	<b>Q2 Budget</b>	<b>Q2 YTD Actuals</b>	<b>Q2 YTD Budget</b>	<b>Annual Budget</b>
Capacity	4,182,601	4,701,540	8,893,395	7,826,543	33,085,381
Condition	3,811,168	2,227,408	7,555,454	4,268,555	8,044,466
Facilities	387,797	80,897	769,167	163,043	325,953
Forced	6,823,509	8,245,463	17,113,873	15,611,048	30,504,899
Meter Related	1,023,915	709,280	1,922,025	1,427,101	2,867,772
New Business	3,872,767	2,588,248	5,392,128	5,250,366	11,203,236
Other	1,240,990	7,132,011	4,436,323	14,143,510	24,833,152
Reliability	9,441,899	6,579,429	14,111,756	13,062,959	27,632,639
Street Light	223,853	308,508	618,994	626,743	1,253,565
Tools & Equipment	313,530	194,276	587,356	383,149	867,093
Vegetation Management	4,775,684	5,366,277	9,368,089	10,770,018	18,493,035
<b>Penelec Total</b>	<b>36,097,713</b>	<b>38,133,337</b>	<b>70,768,562</b>	<b>73,533,034</b>	<b>159,111,191</b>

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

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

<b>Met-Ed</b>					
<b>T&amp;D Capital - 2Q / YTD June 2013</b>					
<b>Category</b>	<b>Q2 Actuals</b>	<b>Q2 Budget</b>	<b>Q2 YTD Actuals</b>	<b>Q2 YTD Budget</b>	<b>Annual Budget</b>
Capacity	5,276,097	4,920,252	12,881,858	12,678,873	14,704,838
Condition	3,890,163	3,488,298	7,828,234	6,664,818	13,944,041
Facilities	18,629	20,705	(37,510)	41,410	82,821
Forced	2,382,978	6,233,387	7,092,694	11,840,424	22,430,887
Meter Related	815,313	610,157	1,697,505	1,235,151	2,431,665
New Business	3,141,851	3,358,535	6,703,333	6,751,513	13,442,789
Other	1,655,920	1,842,427	3,542,180	3,650,069	10,296,827
Reliability	1,915,350	1,427,267	3,476,937	3,050,250	5,129,361
Street Light	66,678	90,108	152,648	180,425	360,151
Tools & Equipment	424,868	348,603	650,023	520,203	985,018
Vegetation Management	4,107,765	3,661,553	8,366,692	7,343,971	14,688,050
<b>Met-Ed Total</b>	<b>23,695,611</b>	<b>26,001,293</b>	<b>52,354,592</b>	<b>53,957,107</b>	<b>98,496,448</b>

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

*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	29		
	Lineman	66	63		
Substation	Technician	4	4		
	Construction & Maintenance (C&M)	21	21		
<b>Total</b>		<b>118</b>	<b>117</b>		

Penelec 2013					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	140	137		
	Lineman	178	179		
Substation	Technician	6	6		
	Construction & Maintenance (C&M)	71	69		
<b>Total</b>		<b>395</b>	<b>391</b>		

Met-Ed 2013					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	54	53		
	Lineman	178	176		
Substation	Technician	15	15		
	Construction & Maintenance (C&M)	59	59		
<b>Total</b>		<b>306</b>	<b>303</b>		

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

*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.

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

*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.

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

*Call-out Response*

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

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

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

Penn Power													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Stoneboro	W-130	Clark	805	35	0	843,752	2,067	5.33	1,048	2.57	408	0.09
2	Conneaut	W-173	Clark	1,934	40	1	842,353	2,695	5.32	436	1.39	313	0.00
3	Jackson	W730	Zelienople	1,988	18	0	826,524	2,433	5.22	416	1.22	340	0.00
4	Hickory	W-245	Clark	1,469	20	1	781,013	1,842	4.93	532	1.25	424	1.00
5	Hermitage	W-260	Clark	2,403	59	2	770,059	7,509	4.86	320	3.12	103	0.00
6	Evans City	D611	Zelienople	949	43	1	695,022	2,520	4.39	732	2.66	276	1.00
7	Sharon	W-135	Clark	1,131	30	1	561,622	1,920	3.55	497	1.70	293	0.00
8	Silver Street	W-268	Clark	2,189	18	1	507,080	2,719	3.20	232	1.24	187	0.00
9	Canal	W-101	Clark	1,495	38	0	499,340	1,744	3.15	334	1.17	286	0.00

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

Met-Ed													
Circuit Rank	Substation	Circuit Desc	District	Average Customers	Outages	Lockouts	Customer Minutes	Customer Affected	SAIDI Impact	SAIDI	SAIFI	CAIDI	MAIFI
1	Barto	00705-1	Boyertown	2,082	91	1	1,259,493	5,799	2.29	604.94	2.79	217.19	3.00
2	Shawnee	00895-3	Stroudsburg	3,744	97	0	1,077,576	7,527	1.96	287.81	2.01	143.16	8.03
3	Mountain	00744-4	Dillsburg	1,810	75	0	1,046,669	5,564	1.91	578.27	3.07	188.11	0.76
4	S. Nazareth	00809-3	Easton	2,962	63	1	1,032,790	7,446	1.88	348.68	2.51	138.70	0.96
5	Birdsboro	00756-1	Reading	1,520	73	2	1,009,228	8,377	1.84	663.97	5.51	120.48	1.37
6	Leesport	00811-1	Hamburg	1,487	31	3	971,550	6,426	1.77	653.36	4.32	151.19	1.00
7	Flying Hills	00776-1	Reading	1,483	28	0	849,668	2,348	1.55	572.94	1.58	361.87	2.40
8	Bath	00873-3	Easton	2,137	46	0	836,964	3,982	1.52	391.65	1.86	210.19	3.00
9	Shawnee	00822-3	Stroudsburg	3,485	68	0	786,553	4,665	1.43	225.70	1.34	168.61	7.80
10	Bern Church	00789-1	Reading	1,422	64	0	776,252	2,961	1.41	545.89	2.08	262.16	1.93
11	Shawnee	00899-3	Stroudsburg	1,777	50	1	732,742	5,369	1.33	412.35	3.02	136.48	3.32
12	Shawnee	00860-3	Stroudsburg	3,171	58	3	710,011	7,788	1.29	223.91	2.46	91.17	16.61
13	Mohnton	00123-1	Reading	634	12	0	704,782	921	1.28	1,111.64	1.45	765.24	0.00
14	Ottsville	00661-3	Easton	667	53	3	703,827	3,920	1.28	1,055.21	5.88	179.55	0.00
15	Fox Hill	00816-3	Stroudsburg	3,788	49	0	700,342	6,635	1.28	184.88	1.75	105.55	4.56
16	Moselem	00779-1	Reading	1,897	25	2	671,271	4,134	1.22	353.86	2.18	162.38	0.00
17	North Lebanon	00712-2	Lebanon	1,917	40	1	614,868	3,075	1.12	320.74	1.60	199.96	6.97
18	Broad Street	00776-2	Lebanon	1,852	20	1	600,483	3,740	1.09	324.23	2.02	160.56	2.00
19	Snydersville	00621-3	Stroudsburg	1,757	30	1	574,993	3,616	1.05	327.26	2.06	159.01	0.00
20	Hill	00735-4	York	1,565	46	1	565,040	2,633	1.03	361.05	1.68	214.60	4.99
21	Barto	00706-1	Boyertown	2,672	58	1	556,964	4,378	1.01	208.44	1.64	127.22	2.00
22	Bern Church	00791-1	Boyertown	719	20	1	551,836	1,227	1.01	767.50	1.71	449.74	0.00
23	Collins	00761-2	Lebanon	634	14	1	546,179	1,332	0.99	861.48	2.10	410.04	2.79
24	N. Bangor	00813-3	Easton	1,337	44	0	540,059	2,019	0.98	403.93	1.51	267.49	0.00
25	Straban	00676-4	gettysburg	1,074	36	0	536,237	3,658	0.98	499.29	3.41	146.59	0.00
26	N. Bangor	00826-3	Easton	2,600	68	0	533,690	5,727	0.97	205.27	2.20	93.19	1.21
27	Lickdale	00625-2	Lebanon	972	34	1	532,075	2,743	0.97	547.40	2.82	193.98	5.97
28	N. Bangor	00814-3	Easton	1,512	23	2	520,867	7,239	0.95	344.49	4.79	71.95	1.04
29	Campbelltown	00634-2	Lebanon	1,031	22	6	512,502	6,755	0.93	497.09	6.55	75.87	10.00
30	Birdsboro	00757-1	Reading	1,922	48	3	488,785	4,652	0.89	254.31	2.42	105.07	2.66
31	Lynnville	00735-1	Hamburg	1,321	57	2	487,641	3,381	0.89	369.15	2.56	144.23	11.05
32	Cly	00722-4	York	1,476	25	3	481,313	5,867	0.88	326.09	3.97	82.04	1.05
33	Myerstown	00750-2	Lebanon	1,595	26	1	470,911	3,257	0.86	295.24	2.04	144.58	7.63
34	Tolna	00793-4	York	1,511	27	1	468,854	1,886	0.85	310.29	1.25	248.60	6.00
35	Belfast	00849-3	Easton	1,995	13	1	460,087	6,557	0.84	230.62	3.29	70.17	0.00
36	South Hamburg	00743-1	Hamburg	1,160	37	1	459,508	1,940	0.84	396.13	1.67	236.86	5.39
37	Violet Hill	00524-4	York	867	14	3	454,260	3,326	0.00	523.94	3.84	136.58	0.00
38	Angelica	00129-1	Reading	693	18	1	442,586	1,210	0.81	638.65	1.75	365.77	0.00

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

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

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

Penn Power						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Stoneboro	W-130	<i>Performance was driven by two outages both caused by non-preventable trees.</i>			3Q 2012 4Q 2012 1Q 2013 2Q 2013
			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	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-13	
2	Conneaut	W-173	<i>Performance was driven by two outages both caused by non-preventable tree.</i>			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-13	
3	Jackson	W730	<i>Performance was driven by three outages—two caused by non-preventable trees and one caused by lightning, all occurring during weather conditions</i>			
			Substation returned to normal	Complete	Jul-12	
			Equipment that was damaged by lightning was replaced at time of restoration	Complete	Jul-12	
			The problem tree was removed and associated repairs were made 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	
			Forestry to trim circuit	Complete	Jun-13	

Penn Power						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work Completed	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
4	Hickory	W-245	<i>Performance was driven by two outages both caused by non-preventable trees.</i>			
			Forestry to trim circuit	Complete	Jun-13	
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Sep-12	
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-13	
5	Hermitage	W-260	<i>Performance was driven by two outages caused by line failures due to wind associated with thunderstorm.</i>			
			Substation returned to normal	Complete	Jul-12	
			Equipment that was broken by lightning was replaced at time of restoration	Complete	Aug-12	
			Equipment that was broken by wind was replaced at time of restoration	Complete	Jun-13	
6	Evans City	D611	<i>Performance was driven by four outages, one caused by line failure, two caused by equipment failure, and one caused by a non-preventable tree with all occurring during weather conditions prior to CRC field review</i>			3Q 2012 4Q 2012 1Q 2013 2Q 2013
			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	Complete	Apr-13	
Forestry to trim circuit	Complete	Jun-13				
7	Sharon	W-135	<i>Performance was driven by two outages one caused by non-preventable trees and one caused by equipment failure.</i>			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Apr-13	
8	Silver Street	W-268	<i>Performance was driven by two outages one caused by non-preventable trees and one caused by equipment failure.</i>			
			Animal removed when line was restored	Complete	May-12	
			Debris removed when line was restored	Complete	Apr-13	
9	Canal	W-101	<i>Performance was driven by two outages both caused by non-preventable trees.</i>			
			The problem tree was removed and associated repairs were made at time of restoration	Complete	Jul-13	
			Circuit reliability coordinator field review of circuit to identify visible equipment failures	Complete	Jul-13	

<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
1	Barto	00705-1	<i>Performance driven by tree-caused outages (61%) and a transmission substation equipment problem (18%)</i>			3Q2012 4Q2012 1Q2013 2Q2013
			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	
			Spot forestry inspection	Complete	Apr-13	
			Perform accelerated backbone assessment	To be completed 2013		
2	Shawnee	00895-3	<i>Performance was driven by a single storm on 7/23/12 which contributed 31% of circuit minutes, and trees which contributed 69% of circuit minutes.</i>			1Q2012 2Q2012 3Q2012 4Q2012 1Q2013 2Q2013
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Repair split pole top found on circuit assessment	Complete	Oct-12	
			Correct fuse coordination	Complete	Oct-12	
			Comprehensive tree trimming	Complete	Oct-12	
			Replace porcelain cutouts on recloser backbone with polymer cutouts	Complete	May-13	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Install additional Supervisory Control And Data Acquisition (SCADA) switch	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
3	Mountain	00744-4	<i>Performance driven by trees at 73% of circuit minutes.</i>			1Q2012 3Q2012 4Q2012 1Q2013 2Q2013
			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 backbone and three phase circuit assessment	To be completed 2013		
4	S. Nazareth	00809-3	<i>Performance was driven by a non-preventable tree caused outage on 6/24/13 which contributed 31% of minutes and lightning which contributed 19% of minutes.</i>			
			Perform accelerated backbone and three phase assessment	Complete	Feb-12	
			Comprehensive tree trimming	Complete	Mar-12	
			Install SCADA controlled switch	Complete	May-12	
			Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Install fault indicators	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
5	Birdsboro	00756-1	<i>Performance was driven by trees non-preventable outages (32%), an outage caused by a line tap problem (22%) and a forced outage caused by a primary conductor problem 18% of minutes.</i>			1Q2012 2Q2012 3Q2012 4Q2012 1Q2013 2Q2013
			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	
			Spot main line tree trimming and removals	Complete	Apr-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	
			Engineering review for the installation of an additional main line recloser	Complete	Jul-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	
			Replace main line crossarm from assessment	Complete	Dec-12	
			Spot tree trimming and removals	Complete	Dec-12	
			Proactive every other month main line forestry inspection	Complete	Feb-13	
			Spot tree trimming and removals	Complete	Mar-13	
			Install main line tap fuse and fault indicators	Complete	May-13	
			Comprehensive circuit patrol	Complete	Jun-13	
			Proactive every-other-month main line forestry inspection	Complete	Jun-13	
			Main line crossarm brace repair from comprehensive circuit patrol	Complete	Jun-13	
Main line pole top repair from comprehensive circuit patrol	Complete	Jun-13				
Spot tree trimming and removals	To be completed in 2013					
Upgrade main line disconnects to gang operated air break switch	To be completed in 2013					
Proactive every-other-month main line forestry inspection	To be completed in 2013					
Upgrade main line recloser and customer re-distribution project	To be completed in 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
6	Leesport	00811-1	<i>Performance driven by two outages during a severe weather event caused by trees (43%), an outage caused by an arrester problem (20%), two outages caused by vehicle accidents (12%) and an outage caused by a crossarm problem (12%).</i>			2Q2012 3Q2012 4Q2012 1Q2013 2Q2013
			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	
			Replace additional main line crossarm from assessment	Complete	Apr-13	
			Replace main line crossarm brace from assessment	Complete	Apr-13	
			Replace tap insulator from comprehensive circuit patrol	Complete	Apr-13	
			Complete comprehensive circuit patrol	Complete	May-13	
			Install fuse/bypass on main line	To be completed in 2013		
			Install main line arresters	To be completed in 2013		
			Complete work request design for new main line recloser	To be completed in 2013		
			7	Flying Hills	00776-1	
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				
Spot tree trimming and removals (Freemansville Road)	Complete	May-13				
Perform accelerated backbone and three phase circuit assessment	To be completed in 2013					
Install additional set of main line disconnects	To be completed in 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
8	Bath	00873-3	<i>Performance was driven by a vehicle accident on 9/5/12 which contributed 57% of circuit minutes and non-preventable trees which contributed 17% of minutes.</i>			3Q2012 4Q2012 1Q2013 2Q2013
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace porcelain cutouts on circuit backbone with polymer cutouts	To be completed 2013		
9	Shawnee	00822-3	<i>Performance was driven by a storm on 9/18/12 which contributed 39% of circuit minutes.</i>			
			Comprehensive tree trimming	Complete	Jan-12	
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Install fault indicators	Complete	Mar-12	
			Replace three sets of fault indicators	Complete	Aug-12	
			Repair conditioned items from circuit assessment	Complete	Sep-12	
			Install fault indicators	Complete	May-13	
			Replace pole with woodpecker damage	Complete	Jul-13	
			Replace pole with woodpecker damage	To be completed in 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
Upgrade recloser from form three control to form six control	To be completed in 2013					
10	Bern Church	00789-1	<i>Performance was driven by trees non-preventable outages (51%), an outage caused by a motor vehicle accident (14%) and underground cable problems (10%).</i>			3Q2012 4Q2012 1Q2013 2Q2013
			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>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work</b>	<b>Date Remedial Work Completed</b>	<b>Appeared in 4 of 6 Quarters</b>
11	Shawnee	00899-3	<i>Performance was driven by non-preventable trees which contributed 33% of minutes, lightning which contributed 24% of minutes and two motor vehicle accidents which contributed 19% of minutes.</i>			2Q2012 3Q2012 4Q2012 1Q2013 2Q2013
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Perform accelerated single phase assessment	Complete	Feb-12	
			Comprehensive tree trimming	Complete	Dec-12	
			Install tap fuse on backbone	Complete	Dec-12	
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Jan-13	
			Perform accelerated backbone and three phase circuit assessment	Complete	Mar-13	
			Engineering to evaluate additional radio controlled switch on circuit	To be completed 2013		
12	Shawnee	00860-3	<i>Performance was driven by an insulator failure on 1/2/13 which contributed 41% of minutes and trees during a storm on 4/19/13 which contributed 25% of minutes.</i>			1Q2012 2Q2012 3Q2012 1Q2013 2Q2013
			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	
			Comprehensive tree trimming	Complete	Apr-13	
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
Replace sectionalizer with Supervisory Control And Data Acquisition (SCADA MOAB)	To be completed in 2013					
13	Mohnton	00123-1	<i>Performance was driven by a trees non-preventable outage during a severe storm event that included a broken pole (82%).</i>			3Q2012 4Q2012 1Q2013 2Q2013
			Comprehensive circuit patrol	Complete	Apr-12	
			Repair sink hole surrounding main line pole	Complete	May-12	
			Replace main line pin insulator	Complete	Apr-13	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
14	Ottsville	00651-3	<i>Performance was driven by non-preventable trees which contributed to 72% of circuit minutes.</i>			
			Install recloser	Complete	Aug-12	
			Comprehensive tree trimming	To be completed 2013		
15	Fox Hill	00816-3	<i>Performance driven by non-preventable trees which contributed 41% of circuit minutes and a vehicle accident on 3/22/13 which contributed 23% of minutes.</i>			
			Perform accelerated backbone and three phase assessment	Complete	Jan-12	
			Correct fuse miscoordinations identified during SAIFI analysis	Complete	Mar-12	
			Replace sectionalizer with SCADA switch	Complete	Mar-12	
			Comprehensive tree trimming	Complete	Apr-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		
			Replace porcelain cutouts on backbone with polymer	To be completed in 2013		
16	Moselem	00779-1	<i>Performance driven by an outage during a severe weather event caused by a non-preventable trees (38%), an outage caused by a bird contact (36%) and an outage due to a substation equipment problem (18%).</i>			
			Perform accelerated backbone assessment	Complete	Sep-12	
			Install additional main line tap fuse	Complete	Apr-13	
			Install additional tap fuses	To be completed in 2013		
17	North Lebanon	00712-2	<i>Performance was primarily driven by vehicle accidents (55%) and tree caused outages (36%).</i>			
			Replace Broken Switch 71216	Complete	Apr-13	
			Replace deteriorated crossarm	To be completed 2013		
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
			Replace recbser and control with triple single unit	To be completed 2013		
18	Broad Street	00776-2	<i>Performance was primarily driven by equipment failure (61%), vehicle accidents (28%) and line failures (8%).</i>			
			Comprehensive tree trimming	Complete	Dec-12	
			Replace underground cable - seven spans	Complete	Feb-13	
			Repair broken switch 77666	To be completed 2013		

<b>Met-Ed</b>						
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19	Snydersville	00621-3	<i>Performance driven by a vehicle accident on 11/22/12 which contributed 55% of minutes, trees which contributed 19% of minutes and a broken crossarm on 5/16/13 which contributed 14% of minutes.</i>			2Q2012 3Q2012 4Q2012 1Q2013 2Q2013
			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		
20	Hill	00735-4	<i>Performance driven by tree cause outages (79%).</i>			
			Perform accelerated backbone and three phase assessment	Complete	Aug-12	
			Perform accelerated backbone and three phase assessment	Complete	Aug-12	
			Install an additional recloser to protect the circuit three phase	Complete	May-12	
			Comprehensive tree trimming	Complete	Jul-12	
			Replace poles identified during wood pole inspection	To be completed in 2013		
Replace/repair high priority items identified during circuit patrol	To be completed in 2013					
21	Barto	00706-1	<i>Performance driven by two outages during a severe weather event caused by trees (39%) and a transmission substation equipment problem (32%).</i>			3Q2012 4Q2012 1Q2013 2Q2013
			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					

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
22	Bern Church	00791-1	<i>Performance was driven by three outages during a severe weather event caused by wind and a tree (90%).</i>			3Q2012
			Install additional main line tap fuses	Complete	Jun-12	4Q2012
			Spot forestry inspection	Complete	Aug-12	1Q2013
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		2Q2013
23	Collins	00761-2	<i>Performance was primarily driven by tree caused outages (84%) and equipment failure (9%).</i>			3Q2012
			Replace deteriorated crossarm	Complete	Jan-13	4Q2012
			Comprehensive tree trimming	Complete	Mar-13	1Q2013
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		2Q2013
24	N. Bangor	00813-3	<i>Performance was driven by trees non-preventable which contributed 65% of circuit minutes.</i>			
			Install new electronic recloser	To be completed 2013		
25	Straban	00676-4	<i>Performance driven by trees non-preventable which contributed 76% of circuit minutes.</i>			
			Perform partial accelerated circuit reliability assessment of main line	Complete	Jun-13	
			Perform switch maintenance on two gang operated air break switches	Complete	Jul-13	
			Replace one crossarm identified on partial main line assessment	To be completed in 2013		
			Comprehensive tree trimming	To be completed in 2013		
26	N. Bangor	00826-3	<i>Performance was driven by trees which contributed 35% of circuit minutes and 22% of minutes due to an outage of unknown cause on 11/28/12.</i>			3Q2012
			Perform accelerated backbone and three phase assessment	Complete	Mar-12	4Q2012
			Forestry to perform mid-cycle inspection	Complete	Nov-12	1Q2013
			Replace sectionalizer with SCADA MOAB	Complete	Jun-13	2Q2013
			Replace porcelain cutouts on circuit backbone with polymer cutouts	Complete	Apr-13	
			Perform accelerated backbone and three phase circuit assessment	To be completed in 2013		

<b>Met-Ed</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work</b>	<b>Date Remedial Work Completed</b>	<b>Appeared in 4 of 6 Quarters</b>
27	Lickdale	00625-2	Performance was primarily driven by tree caused damage (52%), equipment failures (26%) and a motor vehicle accident (11%).			
			Pole replacement	To be completed in 2013		
28	N. Bangor	00814-3	Performance was driven by an outage of unknown cause during a storm on 8/4/12 which contributed 48% of minutes, and trees during a storm on 1/31/13 which contributed 26% of minutes.			
			Perform wood pole inspection	Complete	Apr-13	
			Install two Supervisory Control And Data Acquisition (SCADA) switches	To be completed 2013		
29	Campbelltown	00634-2	Performance was driven by line failures (92%).			3Q2012 4Q2012 1Q2013 2Q2013
			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	
			Replace poles at three locations to improve clearance	Complete	Jun-13	
Comprehensive circuit patrol	To be completed in 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
30	Birdsboro	00757-1	<i>Performance was driven by trees non-preventable outages (85%).</i>			2Q2012 3Q2012 4Q2012 1Q2013 2Q2013
			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	
			Proactive every other month main line forestry inspection	Complete	Jun-13	
			Complete comprehensive circuit patrol	Complete	Jun-13	
			Spot tree trimming and removals	To be completed in 2013		
Proactive every other month main line forestry inspection	To be completed in 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
31	Lynnville	00735-1	<i>Performance driven by two outages caused by an insulator problem (62%) and non-preventable tree outages (17%).</i>			
			Main line insulator repair	Complete	Feb-13	
			Comprehensive tree trimming	To be completed in 2013		
32	Cly	00722-4	<i>Performance was driven by trees non-preventable outages (84%).</i>			3Q2012 4Q2012 1Q2013 2Q2013
			Install radio controlled switch and radio controlled recloser with fault indicators	Complete	Oct-12	
			Perform accelerated circuit reliability assessment of backbone	Complete	Dec-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Dec-12	
			Perform mid cycle forestry patrol	Complete	Dec-12	
			Forestry to perform on mid cycle backbone circuit tree trimming	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Apr-13	
			Perform accelerated single phase circuit assessment	Complete	Apr-13	
			Replace/repair high priority items identified during circuit patrol	To be completed 2013		
Perform wood pole inspection	To be completed 2013					
33	Myerstown	00750-2	<i>Performance was primarily driven by equipment failure (50%), non-preventable tree caused outages (31%) and lightning damage (8%).</i>			
			Comprehensive tree trimming	To be completed in 2013		
34	Tolna	00793-4	<i>Circuit performance was driven by object (roof) becoming dislodged and contacting the line during a minor storm (81%).</i>			
			Perform accelerated backbone and three phase circuit assessment	Complete	Jun-12	
			Replace/Repair high priority items identified during circuit patrol	To be completed in 2013		
35	Belfast	00849-3	<i>Performance was driven by a tree caused outage on 6/30/13 which contributed 25% of minutes and a step transformer failure on 5/10/13 which contributed 22% of minutes.</i>			
			Replace crossarm identified during circuit assessment	Complete	Apr-13	
			Comprehensive tree trimming	Complete	Jun-13	
			Install additional main line fusing	To be completed in 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	
36	South Hamburg	00743-1	<i>Performance driven by two outages caused by crossarm problems (46%) and tree non-preventable outages (38%).</i>				3Q2012 4Q2012 1Q2013 2Q2013
			Perform accelerated backbone assessment	Complete	Jul-12		
			Line Manager main line patrol	Complete	Jul-12		
			Main line crossarm replacements	Complete	Jul-12		
			Engineering review for the installation of an additional main line recloser	Complete	Jul-12		
			Comprehensive tree trimming	Complete	Dec-12		
			Replace main line crossarm from backbone assessment	Complete	Jan-13		
			Replace additional main line crossarms from backbone assessment	To be completed 2013			
Comprehensive circuit patrol	To be completed 2013						
37	Violet Hill	00524-4	<i>Performance driven by tree non-preventable outages (51%) and one vehicle accident (26%).</i>				
			Comprehensive tree trimming	Complete	Nov-12		
			Perform accelerated circuit reliability assessment of backbone	Complete	Apr-13		
			Perform accelerated circuit reliability assessment of three phase	Complete	Apr-13		
			Perform accelerated circuit reliability assessment of single phase	Complete	Apr-13		
			Replace pole identified during wood pole inspection	To be completed in 2013			
Replace/repair high priority items identified during circuit patrol	To be completed in 2013						
38	Angelica	00129-1	<i>Performance was driven by trees non-preventable outages (43%) and an outage caused by lightning during a severe storm event (41%).</i>				3Q2012 4Q2012 1Q2013 2Q2013
			Complete circuit patrol	Complete	May-12		
			Comprehensive tree trimming on substation source circuit	Complete	Dec-12		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013			
	West Boyertown	00717-1	<i>Performance was driven by trees non-preventable outages (62%).</i>				2Q2012 3Q2012 4Q2012 1Q2013
			Perform accelerated backbone and three phase assessment	Complete	Jul-12		
			Comprehensive tree trimming	Complete	Oct-12		
			Main line recloser repair from annual inspection	Complete	May-13		
			Install additional main line tap fuses	To be completed 2013			
Perform accelerated backbone and three phase circuit assessment	To be completed 2013						

<b>Met-Ed</b>						
<b>Rank</b>	<b>Substation</b>	<b>Circuit</b>	<b>Remedial Action Planned or Taken</b>	<b>Status of Remedial Work</b>	<b>Date Remedial Work Completed</b>	<b>Appeared in 4 of 6 Quarters</b>
	Frystown	00702-2	<i>Performance was primarily driven by lightning damage (40%), vehicle accidents (25%), line failures (20%) and tree caused outages (9%).</i>			1Q2012 2Q2012 3Q2012 4Q2012
			Review step bank fusing	Complete	Apr-12	
			Perform accelerated three phase circuit assessment	Complete	Jun-12	
			Replace crossarm and broken insulators	Complete	Jun-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Comprehensive circuit patrol	To be completed 2013		
			Install fault indicators at one location	To be completed 2013		
			Replace deteriorated crossarm	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	
			Comprehensive tree trimming	Complete	Apr-13	
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Yorkana	00708-4	<i>Performance driven by tree cause outage (63% of minutes).</i>			1Q2012 2Q2012 3Q2012 4Q2012
			Perform accelerated circuit reliability assessment of backbone	Complete	May-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	May-12	
			Personal letter to be sent to each customer on this circuit explaining reliability improvements	Complete	May-12	
			Reconfigure circuit to minimize line exposure	Complete	May-12	
			Perform accelerated single phase assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	Complete	Jun-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Gardners	00752-4	<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>			1Q2012 2Q2012 3Q2012 4Q2012 1Q2013
			Perform accelerated circuit reliability assessment of main line	Complete	Apr-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Apr-12	
			Perform accelerated circuit reliability assessment of single phase backbone	Complete	Apr-12	
			Perform post Hurricane Sandy accelerated circuit reliability assessment of main line	Complete	Nov-12	
			Perform post Hurricane Sandy accelerated circuit reliability assessment of three phase	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Grantville	00720-2	<i>Performance was primarily driven by tree caused damage (38%), equipment damage (37%) and a scissor lift contacting the line (16%).</i>			
			Repair pole top	Complete	Mar-13	
			Perform wood pole inspection	Complete	Mar-13	
			Replace recloser with new triple-single unit	Complete	May-13	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
	Frystown	00701-2	<i>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%).</i>			
			Repair broken switch 75966 and return load to Stouchburg substation	Complete	Jun-13	
			Comprehensive circuit patrol	To be completed 2013		
			Replace insulators on three phase at one location	To be completed 2013		

Met-Ed						
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	Ringing Rocks	00708-1	<i>Performance driven by a vehicle accident (52%) and trees non-preventable outages (17%).</i>			
			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		
	Allen	00503-4	<i>Performance was driven by trees at 49% of circuit minutes and a vehicle related outage accounting for 22%.</i>			
			Perform fuse changes at five locations to improve circuit coordination	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of main line	Complete	Sep-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Sep-12	
			Perform accelerated backbone circuit assessment	To be completed 2013		
	Dillsburg	00749-4	<i>Performance was driven by trees at 79% of circuit minutes. One tree related outage accounted for 68% of the circuit's minutes.</i>			
			Replace/repair high priority items identified during circuit patrol	Complete	Mar-12	
			Perform replacement of five priority one poles	Complete	Mar-12	
			Perform accelerated circuit reliability assessment of main line	Complete	May-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	May-12	
			Replace/repair high priority item identified during circuit patrol	Complete	Nov-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	Birchwood	00624-3	<i>Performance was driven by a vehicle accident on 4/9/12 which contributed 42% of circuit minutes and an insulator failure on 5/4/12 which contributed 48% of circuit minutes.</i>			
			Perform accelerated backbone circuit assessment	To be completed 2013		
	Belfast	00812-3	<i>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.</i>			
			Perform accelerated backbone circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Glendon	00818-3	<i>Performance 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>			
			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 in 2013		
			Comprehensive tree trimming	To be completed in 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 replacement of one priority one pole	Complete	Feb-12	
			Perform fuse changes at five locations to improve circuit coordination	Complete	Jun-12	
			Perform accelerated circuit reliability assessment of three phase	Complete	Aug-12	
			Perform accelerated backbone assessment	Complete	Aug-12	
			Replace high priority items identified during circuit patrol	Complete	Dec-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
	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	Complete	Jun-13	
	Lynnville	00737-1	<i>Performance driven by trees non-preventable outages (68%).</i>			
			Replace main line recloser battery	Complete	May-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Complete engineering main line coordination study	Complete	Jan-13	
			Perform accelerated backbone and three phase assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	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 wood pole inspection	Complete	Mar-13	
			Pole replacements from pole inspections	Complete	May-13	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Comprehensive tree trimming	To be completed 2013		
	Bernville	00787-1	<i>Performance driven by trees non-preventable outages (70%)</i>			
			Comprehensive circuit patrol	Complete	Apr-12	
			Replace crossarms from circuit assessment	Complete	Apr-12	
			Replace batteries on main line reclosers	Complete	Jun-12	
			Replace arresters on main line recloser	Complete	Dec-12	
			Comprehensive tree trimming	Complete	Mar-13	
	Perform accelerated backbone and three phase circuit assessment	To be completed 2013				
	North Lebanon	00715-2	<i>Performance was primarily driven by wind caused damage (62%) and vehicle accidents (32%).</i>			
			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		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	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	Jul-12	
			Perform accelerated backbone assessment	Complete	Jul-12	
			Perform accelerated backbone and three phase circuit assessment	To be completed 2013		
			Replace deteriorated crossarm	To be completed 2013		
			Install fault indicators at two locations	To be completed 2013		
	Carsonia	00171-1	<i>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%).</i>			
			Perform accelerated backbone assessment	Complete	Sep-12	
			Create new circuit tie	Complete	Mar-13	
			Perform accelerated backbone assessment	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	
			Main line forestry inspection	Complete	Nov-12	
			Comprehensive circuit patrol	Complete	May-13	
	Baldy	00736-1	<i>Performance driven by an outage during a severe storm event where no permanent condition was identified (42%) and trees non-preventable outages (39%).</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	
			Install new main line recloser	Complete	May-13	
			Upgrade and relocate existing main line recloser	Complete	May-13	
			Perform accelerated backbone and three phase circuit 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
	Friedensburg	00769-1	<i>Performance driven by an outage caused by an arrester problem (35%), outages caused by lightning (30%) and a vehicle accident (13%).</i>			
			Replace crossarms from circuit assessment	Complete	Feb-12	
			Perform accelerated backbone and three phase assessment	Complete	Jul-12	
			Install additional main line disconnects and fault indicators at one location	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		
	Taxville	00572-4	<i>Performance was driven by vehicle caused outages (77% of minutes).</i>			
			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		
	Windsor	00795-4	<i>Performance was driven by trees non-preventable outages (79% of minutes).</i>			
			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	Complete	Apr-13	
			Replace/repair high priority items identified during circuit patrol	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
	Windsor	00797-4	<i>Performance was driven by non-preventable tree caused outages (61% of minutes).</i>			
			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	
			Comprehensive circuit patrol	Complete	Mar-13	
			Replace/repair high priority items identified during circuit patrol	To be completed 2013		

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Joint 2<sup>nd</sup> Quarter 2013 Reliability Report – :  
Pennsylvania Power Company, :  
Pennsylvania Electric Company and :  
Metropolitan Edison Company :**

**CERTIFICATE OF SERVICE**

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

Service by first class mail, as follows:

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Tanya McCloskey  
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5<sup>th</sup> Floor Forum Place  
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Dated: August 1, 2013



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**AUG - 2 2013**

**PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU**

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

