

July 30, 2010

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

L-00030161

Re: Joint 2<sup>nd</sup> Quarter 2010 Reliability Report – Pennsylvania Power Company, Pennsylvania Electric Company and Metropolitan Edison Company - Pursuant to 52 Pa. Code § 57.195(d)and(e)

Dear Secretary Chiavetta,

Enclosed for filing on behalf of Pennsylvania Power Company, Pennsylvania Electric Company, and Metropolitan Edison Company (collectively, the “Companies”) is an original and six (6) copies of their Joint 2<sup>nd</sup> Quarter 2010 Reliability Report – Public Version, pursuant to 52 Pa. Code § 57.195(d) and (e).

On December 22, 2004, the Companies filed an Application for Protective Order at Docket No. L-000301061. The Application was granted, allowing the Companies to file proprietary versions of the quarterly reliability reports. The Proprietary Version of this report is being filed under separate cover.

Sincerely,



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



Eric J. Dickson  
Director, Operations Services  
(330) 384-5970  
dickson@firstenergycorp.com

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JUL 30 2010

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

**Joint 2<sup>nd</sup> Quarter 2010 Reliability Report** :  
**Public Version – Pennsylvania Power** :  
**Company, Pennsylvania Electric Company** :  
**and Metropolitan Edison Company -** :  
**Pursuant to 52 Pa. Code § 57.195(d) and (e)** :

**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 overnight United Parcel Service, as follows:

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

Service by overnight United Parcel Service and by electronic mail, as follows:

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

Dated: July 30, 2010

Original Signed:

A handwritten signature in black ink that reads "Lori B. Barman". The signature is written in a cursive style with a long horizontal line extending to the right from the end of the name.

Lori B. Barman  
FirstEnergy Service Company  
76 S. Main Street  
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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

## Joint 2010 2<sup>nd</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 2<sup>nd</sup> Quarter 2010 Reliability Report – Pennsylvania Power Company, Pennsylvania Electric Company and Metropolitan Edison Company**

The following Joint 2<sup>nd</sup> Quarter 2010 Reliability Report is filed on behalf of Pennsylvania Power Company (“Penn Power”), Pennsylvania Electric Company (“Penelec”), and Metropolitan Edison Company (“Met-Ed”), collectively referred to as the “Companies” for the period-ending June 30, 2010.

*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>a</sup>.*

### *Major Events*

The Companies did not experience a major event during the reporting period ending June 30, 2010.

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<sup>a</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 2010 (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	0.92	1.26	1.52	1.35	1.15	1.38	1.29
CAIDI	101	121	118	117	141	133	117	140	124
SAIDI	113	162	109	148	213	181	135	194	161
Customers Served <sup>(a)</sup>	157,485			582,760			544,436		
Number of Sustained Interruptions	2,856			11,177			9,719		
Customers Affected	145,274			789,204			702,524		
Customer Minutes	17,117,162			105,339,089			87,413,353		

(a) Represents the average number of customers served during the reporting period.

Penn Power, Penelec, and Met-Ed results for 2<sup>nd</sup> Quarter 2010 are:

- better than the Commission's 12-Month Standard for 9 out of 9 reliability indices (SAIFI, CAIDI, SAIDI)
- better than, or equal to, the Commission's Benchmark for 2 of the 9 reliability indices

Penn Power	
SAIFI	31% better than Commission's 12-Month Standard 18% better than Commission's Benchmark
CAIDI	2% better than Commission's 12-Month Standard
SAIDI	33% better than Commission's 12-Month Standard 4% better than Commission's Benchmark
Penelec	
SAIFI	11% better than Commission's 12-Month Standard
CAIDI	6% better than Commission's 12-Month Standard
SAIDI	15% better than Commission's 12-Month Standard
Met-Ed	
SAIFI	7% better than Commission's 12-Month Standard
CAIDI	11% better than Commission's 12-Month Standard
SAIDI	17% better than Commission's 12-Month Standard

*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*

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

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

*Worst Performing Circuits – Remedial Action*

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

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*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

<b>Outages by Cause</b>				
<b>2nd Quarter 2010 12-Month Rolling</b>	<b>Penn Power</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	6,464,013	606	32,537	21.22%
LIGHTNING	1,283,796	404	11,642	14.15%
EQUIPMENT FAILURE	4,158,230	396	48,337	13.87%
ANIMAL	625,343	353	9,264	12.36%
BIRD	323,263	277	4,535	9.70%
LINE FAILURE	1,473,429	252	9,592	8.82%
UNKNOWN	396,872	136	3,433	4.76%
VEHICLE	1,245,144	82	10,840	2.87%
OVERLOAD	96,402	76	1,616	2.66%
PREVIOUS LIGHTNING	27,924	62	672	2.17%
FORCED OUTAGE	322,144	61	4,544	2.14%
HUMAN ERROR -NON-COMPANY	363,589	45	3,546	1.58%
TREES/PREVENTABLE	75,383	36	568	1.26%
ICE	2,041	15	17	0.53%
OBJECT CONTACT WITH LINE	21,005	14	222	0.49%
UG DIG-UP	11,391	12	73	0.42%
CUSTOMER EQUIPMENT	94,418	10	1,320	0.35%
VANDALISM	12,967	9	144	0.32%
HUMAN ERROR - COMPANY	111,260	7	2,355	0.25%
CONTAMINATION	1,684	2	13	0.07%
WIND	6,864	1	4	0.04%
<b>TOTAL</b>	<b>17,117,162</b>	<b>2,856</b>	<b>145,274</b>	<b>100.00%</b>

## Proposed Solutions – Penn Power

### Trees Non-Preventable

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

### Lightning

The number of lightning caused outages are mitigated through Penn Power's reliability improvement strategy. This includes the 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 and line arresters and grounding. These items are maintained by our substation group based on our substation practices. Distribution protection coordination reviews allow for 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.

### Equipment Failure

The number of equipment failures are 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.

Penn Power's review has shown an increase in the number of outages from cutouts. Porcelain cutouts were found to be the major cause for cutout-related outages, resulting in the discontinued use of porcelain cutouts for new installations, and older porcelain cutouts are being replaced with new polymer cutouts when they fail.

In 2009, all of Penn Power's main feed three phase backbone was inspected twice, once in the winter/spring and once in the fall, to identify critical problems before they cause an outage. Infrared scanning of three phase backbone occurred on 17 circuits. These scans find "hot spots" that are repaired before they can cause an outage.

## Outages by Cause – Penelec

2nd Quarter 2010 12-Month Rolling	Penelec			
	Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected
EQUIPMENT FAILURE	21,003,194	3,221	198,613	28.82%
TREES/NOT PREVENTABLE	39,119,620	1,901	177,097	17.01%
UNKNOWN	7,000,608	1,568	88,728	14.03%
ANIMAL	2,816,637	1,085	35,373	9.71%
LINE FAILURE	13,303,054	829	108,862	7.42%
FORCED OUTAGE	3,395,519	616	39,670	5.51%
LIGHTNING	3,410,228	487	25,081	4.36%
VEHICLE	4,663,157	299	36,732	2.68%
BIRD	637,038	292	7,852	2.61%
HUMAN ERROR - COMPANY	344,155	142	17,325	1.27%
OVERLOAD	753,600	115	10,659	1.03%
HUMAN ERROR -NON-COMPANY	765,875	104	7,126	0.93%
PREVIOUS LIGHTNING	144,397	95	482	0.85%
ICE	60,250	88	369	0.79%
UG DIG-UP	234,962	71	979	0.64%
OTHER ELECTRIC UTILITY	231,239	61	1,247	0.55%
WIND	6,870,658	61	21,190	0.55%
TREES/PREVENTABLE	48,645	31	720	0.28%
VANDALISM	147,577	28	2,550	0.25%
OBJECT CONTACT WITH LINE	158,325	22	2,886	0.20%
CUSTOMER EQUIPMENT	9,562	19	112	0.17%
FIRE	56,729	17	372	0.15%
OTHER UTILITY-NON ELEC	63,475	11	1,573	0.10%
SWITCHING ERROR	51,214	5	3,128	0.04%
CONTAMINATION	30,762	4	346	0.04%
Unknown	18,547	4	131	0.04%
CALL ERROR	62	1	1	0.01%
<b>TOTAL</b>	<b>105,339,089</b>	<b>11,517</b>	<b>789,204</b>	<b>100.00%</b>

## Proposed Solutions – Penelec

### Equipment Failure

Penelec has identified porcelain cutout failures to be a large contributor to equipment failure outages and, as such, has been replacing porcelain cutouts with polymer cutouts as a preventive measure in conjunction with existing work plans, as a part of the targeted mainline equipment replacement program.

The number of equipment failures are further mitigated by way of inspection and maintenance practices, such as circuit inspections and others. Penelec's entire main feed three-phase backbone was inspected during 2008 to identify and repair critical problems before they caused a potential outage. Inspections of the main feed three-phase backbone was performed again on 50% of the circuits during 2009. Infrared scanning on the main feed three-phase backbone has been completed on 46% of Penelec's circuits since 2008.

In addition, 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. 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.

### Trees Non-Preventable

Forestry Services reviews the "Trees Non-Preventable" outages to see if there has been a high frequency of occurrences on the circuit. A patrol of the circuit is conducted to identify dead or diseased trees that need to be trimmed or removed to avoid future outages. In addition, line and forestry personnel patrol for Danger / Priority trees as part of their daily work routine. The Danger / Priority Tree inspections identify off right-of-way trees that present a hazard to power lines. Circuits are then prioritized by customer minutes due to "Trees Non-Preventable" outages. A patrol of the entire circuit is performed and Forestry Services works with private property owners to remove any potentially dangerous tree conditions. This practice has been adopted as part of our normal tree trimming maintenance program.

### Unknown Outages

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.

Outages by Cause – Met-Ed

<b>Outages by Cause</b>				
<b>2nd Quarter 2010 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>
EQUIPMENT FAILURE	16,789,833	2355	187,232	24.23%
TREES/NOT PREVENTABLE	36,977,843	2241	199,417	23.06%
ANIMAL	1,919,421	1425	24,044	14.66%
UNKNOWN	4,415,867	1263	42,362	13.00%
LINE FAILURE	8,733,416	735	59,735	7.56%
LIGHTNING	1,999,257	451	14,535	4.64%
FORCED OUTAGE	3,444,500	315	61,325	3.24%
VEHICLE	5,396,441	258	39,099	2.65%
BIRD	261,028	132	4,879	1.36%
TREES/PREVENTABLE	569,427	118	4,168	1.21%
OVERLOAD	1,890,629	83	14,353	0.85%
HUMAN ERROR -NON-COMPANY	424,458	75	3,699	0.77%
HUMAN ERROR - COMPANY	1,104,144	62	31,699	0.64%
PREVIOUS LIGHTNING	68,005	56	503	0.58%
UG DIG-UP	144,402	32	836	0.33%
WIND	2,552,981	28	8,106	0.29%
ICE	1,984	23	23	0.24%
OBJECT CONTACT WITH LINE	370,967	22	4,318	0.23%
CUSTOMER EQUIPMENT	73,447	18	722	0.19%
VANDALISM	2,332	8	14	0.08%
FIRE	55,573	7	244	0.07%
OTHER UTILITY-NON ELEC	210,610	6	1,193	0.06%
OTHER ELECTRIC UTILITY	6,762	5	17	0.05%
CONTAMINATION	26	1	1	0.01%
<b>TOTAL</b>	<b>87,419,353</b>	<b>9,719</b>	<b>702,524</b>	<b>100.00%</b>

## Proposed Solutions – Met-Ed

### Equipment Failure

The number of equipment failures are 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 Non-Preventable

Forestry Services reviews areas where “Trees Non-Preventable” outages occur to see if there has been a high frequency of occurrence. A patrol of the circuit is conducted to identify trees that need to be trimmed or removed to avoid future outages. In addition, line and forestry personnel patrol for Danger / Priority trees as part of their daily work routine. The Danger / Priority Tree program identifies off right-of-way trees that present a hazard to power lines.

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

### Animal

Animal guards are installed on equipment where high frequencies of animal-related outages are experienced. When possible, animal guards are installed at the time service is restored for the outages caused by animals. In addition, Met-Ed requires animal guards to be installed on all new overhead and underground riser installations.

*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 2010		Penn Power			Penelec			Met-Ed			
		Planned	Completed		Planned	Completed		Planned	Completed		
		Annual	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD	
Forestry	Transmission (Miles)	189	47	62	456	40	46	133	29	38	
	Distribution (Miles)	832	159	411	4,817	1,103	1,877	2,671	722	1,281	
Transmission	Aerial Patrols	2	0	1	2	0	1	2	0	1	
	Groundline <sup>b</sup>	150	187	187	2,024	1,379	1,379	1,206	0	0	
Substation	General Inspections	1,044	261	522	5,544	1,398	2,784	2,916	729	1,458	
	Transformers	123	18	123	834	113	790	488	95	270	
	Breakers	68	6	46	601	167	497	162	61	96	
	Relay Schemes	74	16	46	443	70	351	469	45	159	
Distribution	Capacitors	983	0	990	8,632	320	8,632	4,581	0	4,581	
	Poles	12,400	2,450	12,557	50,000	30,846	30,846	30,000	6,024	32,422	
		Planned	Completed		Planned	Completed		Planned	Completed		
	Reclosers <sup>c</sup>	727	216	216	2,489 <sup>d</sup>	0	0	877	2	879	
	Radio-Controlled Switches (2 / year)	1st half 2010	Penn Power has no radio controlled switches			1,036	1,042		40	40	
		2nd half 2010				1,036			40		

**General Note:**

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

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

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

<sup>c</sup> Pursuant to the Inspection, Maintenance, Repair and Replacement programs that were approved by the Commission on December 15, 2009 the Companies visually inspect line reclosers annually.

<sup>d</sup> Plan number changed from 2,490 to 2,489 – one recloser taken out of service

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

*Budgeted vs. Actual T&D Operation & Maintenance Expenditures*

<b>T&amp;D O&amp;M - 2Q / YTD June 2010(\$)</b>						
<b>Company</b>	<b>PUC Category</b>	<b>2Q Actuals</b>	<b>2Q Budget</b>	<b>YTD Actual</b>	<b>YTD Budget</b>	<b>Annual Budget</b>
<b>Penn Power</b>	Corrective Maintenance	229,761	1,115,799	526,089	2,539,888	4,577,944
	Preventive Maintenance	310,346	3,044	475,884	6,087	12,174
	Storms	133,533	173,491	275,021	345,622	695,962
	Vegetation Management	425,249	935,645	758,841	1,921,290	3,482,580
	Misc	458,565	640,846	973,522	1,329,103	2,768,827
	Operations	490,801	708,721	1,075,083	1,167,183	2,579,489
<b>Penn Power Total</b>		<b>2,048,255</b>	<b>3,577,546</b>	<b>4,084,440</b>	<b>7,309,173</b>	<b>14,116,976</b>
<b>Penelec</b>	Corrective Maintenance	1,099,488	3,737,126	1,458,720	7,474,253	14,948,507
	Preventive Maintenance	1,832,499	994,796	2,169,665	1,989,593	3,979,186
	Storms	780,858	687,502	1,702,204	1,375,004	2,750,007
	Vegetation Management	2,237,534	2,346,296	4,190,955	3,394,591	7,651,229
	Misc	1,781,004	1,535,017	3,697,028	2,945,966	6,540,399
	Operations	3,562,917	6,198,863	8,092,390	10,952,339	23,738,465
<b>Penelec Total</b>		<b>11,294,300</b>	<b>15,499,600</b>	<b>21,310,962</b>	<b>28,131,746</b>	<b>59,607,793</b>
<b>Met-Ed</b>	Corrective Maintenance	805,054	2,541,140	2,228,527	4,932,179	10,778,850
	Preventive Maintenance	2,378,533	755,690	7,347,861	1,424,950	2,961,935
	Storms	545,668	1,543,911	1,231,608	2,929,213	6,064,242
	Vegetation Management	2,135,829	1,904,378	3,820,739	3,500,225	7,178,113
	Misc	1,600,080	1,452,682	2,927,636	2,717,794	5,628,033
	Operations	3,750,903	8,273,113	7,536,010	14,105,419	30,418,454
<b>Met-Ed Total</b>		<b>11,216,067</b>	<b>16,470,914</b>	<b>25,092,381</b>	<b>29,609,780</b>	<b>63,029,627</b>
<b>Grand Total</b>		<b>24,558,622</b>	<b>35,548,060</b>	<b>50,487,783</b>	<b>65,050,699</b>	<b>136,754,396</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*

<b>T&amp;D Capital Only Includes CIA(net) - 2Q / YTD June 2010 (\$)</b>						
<b>Company</b>	<b>PUC Category</b>	<b>2Q Actual</b>	<b>2Q Budget</b>	<b>YTD Actual</b>	<b>YTD Budget</b>	<b>Annual Budget</b>
<b>Penn Power</b>	New Business	979,305	1,260,560	1,728,761	1,971,038	4,033,297
	Reliability	1,657,742	2,332,082	3,185,687	3,969,674	9,253,672
	Capacity	(59,763)	30,047	22,238	48,539	99,532
	Misc	416,749	133,244	943,728	604,562	668,293
	Forced	2,259,525	1,049,743	3,391,970	1,803,059	3,985,920
	Vegetation Management	1,675,323	461,685	3,517,695	963,485	1,678,339
<b>PennPower Total</b>		<b>6,928,881</b>	<b>5,267,361</b>	<b>12,790,079</b>	<b>9,360,357</b>	<b>19,719,053</b>
<b>Penelec</b>	New Business	3,909,003	4,333,058	7,463,199	8,145,492	17,227,653
	Reliability	7,961,230	11,491,790	17,125,480	19,805,618	41,001,900
	Capacity	4,835,455	7,333,490	6,470,250	11,879,283	18,171,872
	Misc	847,364	1,628,542	3,869,473	4,856,678	7,744,948
	Forced	8,067,991	7,077,508	13,495,785	13,787,742	27,100,339
	Vegetation Management	5,278,681	5,152,589	9,863,848	7,844,262	17,405,125
<b>Penelec Total</b>		<b>30,899,724</b>	<b>37,016,977</b>	<b>58,288,035</b>	<b>66,319,075</b>	<b>128,651,837</b>
<b>Met-Ed</b>	New Business	5,015,372	4,859,903	8,717,069	9,374,366	21,384,212
	Reliability	5,361,042	6,253,767	11,834,423	13,422,482	24,629,352
	Capacity	5,900,322	2,812,116	11,713,868	13,166,764	15,259,222
	Misc	1,083,678	1,013,549	2,994,491	3,096,112	4,907,552
	Forced	7,344,117	6,587,719	10,976,906	10,592,288	19,135,777
	Vegetation Management	4,130,265	4,164,460	8,115,445	8,180,815	16,393,794
<b>Met-Ed Total</b>		<b>28,834,796</b>	<b>25,691,514</b>	<b>54,352,202</b>	<b>57,832,827</b>	<b>101,709,909</b>
<b>Grand Total</b>		<b>66,663,401</b>	<b>67,975,852</b>	<b>125,430,316</b>	<b>133,512,259</b>	<b>250,080,799</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 2010					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	27	27		
	Lineman	54	66		
Substation	Technician	6	6		
	Construction & Maintenance (C&M)	14	16		
<b>Total</b>		<b>101</b>	<b>115</b>		

Penelec 2010					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	140	138		
	Lineman	189	199		
Substation	Technician	8	7		
	Construction & Maintenance (C&M)	69	69		
<b>Total</b>		<b>406</b>	<b>413</b>		

Met-Ed 2010					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	53	53		
	Lineman	159	158		
Substation	Technician	12	12		
	Construction & Maintenance (C&M)	57	56		
<b>Total</b>		<b>281</b>	<b>279</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*

Larger utilities report the amount of time it takes to obtain the necessary personnel during call-outs. The Companies have worked with other utilities to ensure consistency in calculating and reporting this data.

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

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

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The Companies define their 5% worst performing circuits based on SAIDI. The Companies use SAIDI as a measure of circuit performance. The SAIDI index is a measure of the total customer minutes of distribution outages on the circuit. Beginning in 2006, distribution circuits were ranked based on SAIDI contribution to the overall Company SAIDI (customer minutes).

Penn Power													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	HARTSTOWN	W-126	Clark	2,164	65	1	1,105,026	5,851	7.02	511	2.70	189	4.5
2	EVANS CITY	D-611	Zeli	980	33	1	586,531	4,607	3.72	599	4.70	127	8.3
3	PERRY	W-156	Clark	1,039	50	0	489,482	2,271	3.11	471	2.19	216	0.0
4	MERCER	W-128	Clark	1,225	32	0	419,034	800	2.66	342	0.65	524	1.2
5	MERCER	W-167	Clark	1,375	47	0	412,825	1,860	2.62	300	1.35	222	0.9
6	JACKSON	W730	Zeli	1,878	19	1	397,268	2,473	2.52	212	1.32	161	5.0
7	MCDOWELL	W-122	Clark	648	28	1	364,195	1,284	2.31	562	1.98	284	0.2
8	CANAL	W-103	Clark	1,402	58	0	337,278	1,427	2.14	241	1.02	236	0.0
9	HARLAN	D-343	New Castle	1,303	31	1	311,470	2,997	1.98	239	2.30	104	0.2

- (1) Average number of customers served by the circuit for the 12-month period.
- (2) Number of unique outages experienced by one or more customers on the circuit during the period, due to distribution outage causes.
- (3) Number of circuit lockouts during the period.
- (4) Total customer minutes of outage during the period due to distribution outage causes.
- (5) Number of customer outages during the period due to distribution outage causes.
- (6) Impact of the distribution outages on this circuit to Penn Power's SAIDI.
- (7) Distribution circuit SAIDI, SAIFI, CAIDI and MAIFI 12-Month Rolling due to distribution outage causes.

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	Belmont	00902-11	Johnstown	1,490	6	1	3,000,294	2,485	5.15	2,014	1.67	1,207	1.00
2	Springboro	00237-52	Meadville	2,863	56	0	2,626,343	8,635	4.51	917	3.02	304	13.54
3	Philipsburg	00162-22	Philipsburg	3,264	100	1	1,884,074	17,392	3.23	577	5.33	108	23.58
4	Millcreek	00055-11	Johnstown	2,100	23	1	1,580,598	4,087	2.71	753	1.95	387	0.05
5	Hilltop	00048-11	Johnstown	2,579	23	1	1,394,742	3,586	2.39	541	1.39	389	7.18
6	Salix	00070-11	Johnstown	2,262	39	1	1,252,432	4,124	2.15	554	1.82	304	2.74
7	Warren South	00220-41	Warren	2,963	70	0	1,037,081	5,800	1.78	350	1.96	179	5.12
8	Powell Ave	00513-31	Erie	1,719	16	1	978,101	3,397	1.68	569	1.98	288	4.11
9	Hilltop	00040-11	Johnstown	1,363	30	1	968,564	3,282	1.66	711	2.41	295	14.13
10	Tower 51	00051-11	Johnstown	552	20	0	806,244	809	1.38	1,461	1.47	997	15.55
11	Madera	00165-22	Philipsburg	762	29	1	764,156	3,914	1.31	1,003	5.14	195	38.38
12	Curryville	00644-71	Altoona	1,763	43	0	754,054	2,697	1.29	428	1.53	280	12.79
13	Birmingham	00168-22	Philipsburg	1,049	37	1	727,211	3,145	1.25	693	3.00	231	4.54
14	Athens	00514-61	Sayre	778	24	0	722,822	1,737	1.24	929	2.23	416	1.42
15	Madera	00166-22	Philipsburg	2,236	69	0	720,769	5,349	1.24	322	2.39	135	9.94
16	Fairview East	00218-34	Erie	1,002	23	0	709,050	2,734	1.22	708	2.73	259	4.20
17	Powell Ave	00237-31	Erie	2,020	31	0	705,158	4,986	1.21	349	2.47	141	7.42
18	Buffalo Road	00580-31	Erie	1,251	20	1	689,754	1,902	1.18	551	1.52	363	3.69
19	Rolling Meadows	00310-31	Erie	3,075	13	0	644,347	3,095	1.11	210	1.01	208	26.38
20	Shawville	00151-21	Clearfield	2,339	42	2	642,616	10,935	1.10	275	4.68	59	15.23
21	Grover	00527-63	Mansfield	1,104	69	0	619,687	2,376	1.06	561	2.15	261	9.98
22	Scalp Level	00031-11	Johnstown	927	10	0	616,219	4,281	1.06	665	4.62	144	24.40
23	Philipsburg	00161-22	Philipsburg	773	27	0	609,009	3,098	1.05	788	4.01	197	4.60
24	Elkland	00625-63	Mansfield	870	4	1	593,146	875	1.02	682	1.01	678	0.78
25	Blairsville East	00082-13	Johnstown	1,554	30	2	568,687	2,777	0.98	366	1.79	205	9.66
26	Boyer	00583-31	Erie	1,570	41	1	550,314	4,439	0.94	351	2.83	124	1.45
27	Lake Como	00788-65	Montrose	622	42	2	544,037	3,770	0.93	875	6.06	144	16.04
28	Curryville	00610-71	Altoona	477	18	1	499,838	795	0.86	1,048	1.67	629	4.90

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
29	Bay	00911-11	Johnstown	606	7	1	491,962	667	0.84	812	1.10	738	1.00
30	Green Garden	00224-31	Erie	2,164	20	1	489,351	3,313	0.84	226	1.53	148	4.09
31	Lowell Avenue	00518-31	Erie	968	21	2	481,667	2,661	0.83	498	2.75	181	43.53
32	Edinboro	00421-34	Erie	594	14	1	470,841	1,688	0.81	793	2.84	279	1.15
33	Erie South	00259-31	Erie	2,559	60	0	451,301	3,821	0.77	176	1.49	118	6.29
34	Blairsville East	00080-13	Johnstown	995	25	0	451,046	2,907	0.77	453	2.92	155	7.77
35	Greenwood	00003-71	Altoona	1,527	15	1	448,999	1,880	0.77	294	1.23	239	6.28
36	Marienville	00328-51	Oil City	1,199	28	0	444,157	1,640	0.76	370	1.37	271	22.11
37	Union City	00206-43	Corry	3,739	92	0	443,303	4,979	0.76	119	1.33	89	12.96
38	French Rd	00550-31	Erie	1,337	14	1	438,302	2,218	0.75	328	1.66	198	7.98
39	South Fork	00229-11	Johnstown	618	3	0	436,288	637	0.75	706	1.03	685	0.00
40	DuBois	00137-23	DuBois	2,860	59	0	432,449	5,092	0.74	151	1.78	85	3.21
41	Millcreek	00052-11	Johnstown	1,088	10	0	429,668	1,467	0.74	395	1.35	293	10.01
42	Clearfield	00148-21	Clearfield	1,691	64	0	401,040	3,246	0.69	237	1.92	124	27.05
43	Brady Street	00136-23	DuBois	670	6	0	390,991	2,577	0.67	584	3.85	152	1.98
44	Tunkhannock	00533-65	Tunkhannock	1,240	39	0	382,398	2,421	0.66	308	1.95	158	7.34
45	Tionesta Switching Station	00498-51	Oil City	1,120	29	0	379,929	1,318	0.65	339	1.18	288	8.13
46	Edgewood	00097-13	Johnstown	1,357	6	0	374,349	1,265	0.64	276	0.93	296	6.11
47	Alexandria	00097-82	Huntingdon	952	29	1	373,500	1,369	0.64	392	1.44	273	1.52
48	Two Mile	00127-42	Bradford	1,301	29	1	370,331	2,943	0.64	285	2.26	126	3.41
49	Erie South	00312-31	Erie	1,435	36	0	354,402	5,058	0.61	247	3.52	70	6.08
50	Roxbury	00138-83	Shippensburg	508	18	2	350,933	1,473	0.60	691	2.90	238	0.00
51	Millcreek	00219-11	Johnstown	796	9	0	344,719	269	0.59	433	0.34	1,281	2.01
52	Lake Como	00787-65	Montrose	853	23	0	333,080	2,115	0.57	390	2.48	157	29.93
53	Eagles Mere	00686-62	Towanda	313	23	2	329,530	1,004	0.57	1,053	3.21	328	5.24
54	Lewis Run	00409-42	Bradford	718	31	0	325,173	1,302	0.56	453	1.81	250	2.75
55	St. Benedict	00057-72	Ebensburg	916	11	2	324,486	1,858	0.56	354	2.03	175	7.54

Penelec													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
56	Timblen	00103-23	DuBois	734	22	1	319,605	1,520	0.55	435	2.07	210	15.87
57	Erie East	00234-31	Erie	936	45	0	319,461	2,100	0.55	341	2.24	152	7.78
58	Walnut Street	00520-31	Erie	1,779	13	0	316,435	5,924	0.54	178	3.33	53	5.39
59	Greenwood	00041-71	Altoona	1,238	32	0	308,418	1,543	0.53	249	1.25	200	6.59

- (1) Average number of customers served by the circuit for the 12-month period.
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- (3) Number of circuit lockouts during the period.
- (4) Total customer minutes of outage during the period due to distribution outage causes.
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- (6) Impact of the distribution outages on this circuit to Penn Power's SAIDI.
- (7) Distribution circuit SAIDI, SAIFI, CAIDI and MAIFI 12-Month Rolling due to distribution outage causes.

Met-Ed													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	YORKANA SUBSTATION	00708-4	York	2,674	76	3	1,557,986	11,459	811.45	583	4.29	136	1.00
2	BIRDSBORO	00756-1	Reading	1,534	81	2	1,490,786	9,358	776.45	972	6.10	159	11.78
3	NO BANGOR	00826-3	Easton	3,184	106	2	1,443,962	18,877	752.06	454	5.93	76	3.79
4	YORKANA SUBSTATION	00715-4	York	2,330	75	2	1,436,310	6,287	748.08	616	2.70	228	4.01
5	NEWBERRY SUB	00576-4	York	1,789	77	1	1,134,161	5,879	590.71	634	3.29	193	21.74
6	BIRDSBORO	00757-1	Reading	1,913	52	1	1,119,456	4,349	583.05	585	2.27	257	9.49
7	19TH AND COTTON	00153-1	Reading	1,592	11	1	1,012,879	2,718	527.54	636	1.71	373	0.95
8	WALKER SUB	00865-3	Stroudsburg	2,047	54	0	908,526	2,893	473.19	444	1.41	314	4.20
9	ANNVILLE SUBSTATION	00742-2	Lebanon	1,005	37	2	875,815	5,018	456.15	871	4.99	175	2.42
10	NORTH CORNWALL SUB	00610-2	Lebanon	1,753	36	1	868,601	3,960	452.40	495	2.26	219	6.65
11	NORTH LEBANON	00712-2	Lebanon	2,026	35	2	852,332	7,742	443.92	421	3.82	110	15.20
12	WINDSOR	00795-4	York	1,036	81	0	846,082	2,755	440.67	817	2.66	307	0.00
13	CAMPBELLTOWN SUB	00731-2	Lebanon	2,275	69	1	844,029	5,628	439.60	371	2.47	150	13.79
14	FOX HILL SUBST	00816-3	Stroudsburg	3,698	67	1	796,092	5,089	414.63	215	1.38	156	5.21
15	ALLEN SUB	00503-4	Hanover	1,903	58	3	771,816	6,913	401.99	406	3.63	112	14.17
16	GRANTVILLE SUB	00721-2	Lebanon	1,150	37	2	767,388	2,682	399.68	667	2.33	286	4.00
17	SHAWNEE SUB	00822-3	Stroudsburg	3,695	88	0	765,958	7,943	398.94	207	2.15	96	12.84
18	BARTO SUB	00706-1	Boyertown	2,566	94	0	738,481	3,654	384.63	288	1.42	202	18.36
19	DILLSBURG SUBSTATION	00746-4	Hanover	2,128	47	1	691,140	5,063	359.97	325	2.38	137	3.27
20	FLYING HILLS SUB	00777-1	Reading	1,751	47	0	686,123	3,280	357.36	392	1.87	209	15.69
21	BRIDGETON SUB	00117-3	Easton	297	13	2	685,567	814	357.07	2,308	2.74	842	2.00
22	ALLEN SUB	00502-4	Hanover	1,025	51	1	675,222	3,269	351.68	659	3.19	207	8.99
23	ANNVILLE SUBSTATION	00743-2	Lebanon	610	38	0	657,360	3,732	342.38	1,078	6.12	176	3.09
24	SHAWNEE SUB	00860-3	Stroudsburg	3,219	67	1	635,074	6,525	330.77	197	2.03	97	11.01
25	ROUND TOP	00583-4	Hanover	372	35	3	620,189	2,238	323.02	1,667	6.02	277	8.38
26	PLEASUREVILLE	00710-4	York	922	14	2	619,020	1,912	322.41	671	2.07	324	0.00
27	NEWBERRY SUB	00586-4	York	1,595	36	1	610,815	2,572	318.13	383	1.61	237	9.99
28	SHAWNEE SUB	00837-3	Stroudsburg	1,189	29	3	587,778	3,150	306.13	494	2.65	187	6.58

Met-Ed													
Circuit Rank	Substation	Circuit Desc	District	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
29	BERNVILLE SUB	00787-1	Reading	1,757	55	1	568,019	3,345	295.84	323	1.90	170	17.36
30	NORTH HANOVER SUBSTA	00514-4	Hanover	1,191	25	0	560,310	2,912	291.83	470	2.45	192	4.46
31	CAMPBELLTOWN SUB	00634-2	Lebanon	1,018	38	1	541,593	2,412	282.08	532	2.37	225	4.97
32	BARTO SUB	00705-1	Boyertown	2,086	112	0	512,266	2,294	266.81	246	1.10	223	15.11
33	GARDNERS	00750-4	Hanover	1,294	28	3	507,628	4,678	264.39	392	3.62	109	3.00
34	BERNVILLE SUB	00786-1	Reading	1,827	56	2	506,702	4,172	263.91	277	2.28	121	5.02
35	HILL SUB	00736-4	York	1,065	24	3	506,473	3,432	263.79	476	3.22	148	2.00
36	DILLSBURG SUBSTATION	00749-4	Hanover	1,786	44	1	475,886	3,674	247.86	266	2.06	130	3.00
37	BIRDSBORO	00759-1	Reading	713	27	3	473,836	2,012	246.79	665	2.82	236	8.39

- (1) Average number of customers served by the circuit for the 12-month period.
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- (3) Number of circuit lockouts during the period.
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- (5) Number of customer outages during the period due to distribution outage causes.
- (6) Impact of the distribution outages on this circuit to Penn Power's SAIDI.
- (7) Distribution circuit SAIDI, SAIFI, CAIDI and MAIFI 12-Month Rolling due to distribution outage causes.

ATTACHMENT B

Worst Performing Circuits – Remedial Action

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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.

<b>Penn Power</b>						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
1	Hartstown	W-126	<b>Performance was driven by two outages caused by non-preventable trees.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Engineering field review of the section of circuit served by a recloser. No additional work identified	Complete	Jul-09	
			Engineering field review of the section of circuit served by substation breaker. No additional work identified	Complete	May-09	
			Complete reliability work identified	Complete	Sep-09	
			Forestry to trim circuit in 2010	Complete	Jun-10	
A targeted engineering review was conducted on the circuit and a capital project was developed from the review aimed at improving the reliability of a portion of the circuit, which has been experiencing line and equipment failures, through the replacement of identified conductors and equipment.	To be completed in 2010					
2	Evans City	D-611	<b>Performance was driven by one outage caused by a non-preventable tree and one outage caused by human error non-company during tree trimming incident.</b>			
			The out of right of way tree that was cut down by customer was removed at time of restoration	Complete	Jan-10	
			Problem tree was removed at time of restoration	Complete	Apr-10	
3	Perry	W-156	<b>Performance was driven by one outage caused by a non-preventable tree and one outage caused by line failure both occurring during minor storms.</b>			
			Problem tree was removed at time of restoration	Complete	Dec-09	
			Cable was reattached at time of restoration	Complete	May-10	
4	Mercer	W-128	<b>Performance was driven by one outage caused by a vehicle accident.</b>			
Equipment that was broken due to the vehicle accident was replaced at time of restoration	Complete	May-10				
5	Mercer	W-167	<b>Performance was driven by one outage caused by a non-preventable tree during a minor storm.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Engineering field review of the section of circuit served by the recloser	Complete	Jul-09	
			Problem tree was removed at time of restoration	Complete	May-10	

<b>Penn Power</b>						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
6	Jackson	W-730	<b>Performance was driven by one outage caused by a non-preventable tree during a minor storm.</b>			
			Problem tree was removed at time of restoration	Complete	Dec-09	
7	McDowell	W-122	<b>Performance was driven by one outage caused by a non-preventable tree during a minor storm.</b>			
			Problem tree was removed at time of restoration	Complete	May-10	
8	Canal	W-103	<b>Performance was driven by one outage caused by a non-preventable tree during a minor storm.</b>			
			Problem tree was removed at time of restoration	Complete	May-10	
9	Harlan	D-343	<b>Performance was driven by one outage caused by a non-preventable tree.</b>			
			Problem tree was removed at time of restoration	Complete	Dec-09	
			Forestry to trim circuit	To be completed in 2010		

<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
1	Belmont	00902-11	<b>Performance was driven by trees non-preventable during a minor storm.</b> Repair damage from minor storm	Complete	Apr-10	
2	Springboro	00237-52	<b>Performance was driven by trees non-preventable during a minor storm and CPA.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Repair damage to line during minor storm	Complete	Aug-09	
			Engineering review of full circuit coordination	Complete	Aug-09	
			Targeted Mainline Reliability Equipment Replacement	Complete	Nov-09	
			Repair damage from CPA	Complete	Jan-10	
			Repair damage from minor storm	Complete	Jun-10	
Review circuit for additional fault indicators	Complete	Apr-10				
3	Philipsburg	00162-22	<b>Performance was driven by trees non-preventable during minor storms, equipment failures, overload and CPA.</b>			
			Perform mainline reliability inspection	Complete	Feb-09	
			Repair damage from CPA	Complete	Aug-09	
			Targeted Mainline Reliability Equipment Replacement	Complete	Sep-09	
			Repair damage from minor storm	Complete	Oct-09	
			Repair damage from minor storm	Complete	Dec-09	
4	Millcreek	00055-11	<b>Performance was driven by trees non-preventable and wind damage during a minor storm.</b> Repair damage from minor storm	Complete	Apr-10	
5	Hilltop	00048-11	<b>Performance was driven by wind damage during a minor storm.</b> Repair damage from minor storm	Complete	Apr-10	
6	Salix	00070-11	<b>Performance was driven by trees non-preventable and wind damage during a minor storm.</b> Repair damage from minor storm	Complete	Apr-10	
7	Warren South	00220-41	<b>Performance was driven by non-preventable tree damage during minor storm, animal and lightning damage.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Engineering review of full circuit coordination	Complete	May-09	
			Targeted Mainline Reliability Equipment Replacement	Complete	Oct-09	
			Repair damage from minor storm	Complete	May-10	

<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
8	Powell Ave	00513-31	<b>Performance was driven by trees non-preventable during minor storm.</b>			
			Repair damage to line from minor storm	Complete	Oct-09	
			Targeted Mainline Reliability Equipment Replacement	Complete	Nov-09	
9	Hilltop	00040-11	<b>Performance was driven by trees non-preventable during a minor storm.</b>			
			Repair damage from minor storm	Complete	Apr-10	
10	Tower 51	00051-11	<b>Performance was driven by wind damage during a minor storm.</b>			
			Repair damage from minor storm	Complete	Apr-10	
11	Madera	00165-22	<b>Performance was driven by non-preventable tree damage during minor storms.</b>			3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Repair damage from minor storm	Complete	May-09	
			Repair damage from minor storm	Complete	Jul-09	
			Perform mainline Reliability Inspection	Complete	Nov-09	
			Repair conditions found by previous reliability inspection	Complete	Jun-10	
12	Curryville	00644-71	<b>Performance was driven by CPA, equipment failure and equipment failure during minor storm.</b>			
			Repair damage from line failure	Complete	Apr-09	
			Repair damage from CPA	Complete	Feb-10	
			Repair damage from minor storm.	Complete	Apr-10	
			Review circuit for additional fault indicators	To be completed 2010		
			Targeted Mainline Reliability Equipment Replacement	To be completed 2010		
13	Birmingham	00168-22	<b>Performance was driven by non-preventable trees during minor storm, animal contact and line failure.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Engineering review of full circuit coordination	Complete	Sep-09	
			Repair damage from minor storm	Complete	Oct-09	
			Field review animal prone outage areas for additional animal guards	Complete	Nov-09	
			Add additional protection where needed.	To be completed 2010		
			Review circuit for additional fault indicators	To be completed 2010		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
14	Athens	00514-61	<b>Performance was driven by trees non-preventable during minor storm and line failure.</b>			
			Targeted Mainline Reliability Equipment Replacement	Complete	Sep-09	
			Repair damage from minor storm	Complete	Dec-09	
			Repair damage from minor storm	Complete	May-10	
			Add additional protection where needed.	To be completed 2010		
15	Madera	00166-22	<b>Performance was driven by trees non-preventable during minor storm, and equipment failures.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Engineering review of equipment caused outages	Complete	Mar-09	
			Repair damage from minor storm	Complete	Jul-09	
			Targeted Mainline Reliability Equipment Replacement	Complete	Aug-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	
			Repair conditions found by previous reliability inspection	Complete	Feb-10	
			Review circuit for additional fault indicators	Complete	May-10	
			Add additional protection where needed.	To be completed 2010		
16	Fairview East	00218-34	<b>Performance was driven by line failure during minor storm and equipment failure.</b>			
			Repair damage from blown arrester	Complete	Dec-09	
			Repair damage from minor storm	Complete	Jun-10	
			Add additional protection where needed.	To be completed 2010		
17	Powell Ave	00237-31	<b>Performance was driven by equipment failure and trees non-preventable during minor storm.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Engineering review of full circuit coordination	Complete	Sep-09	
			Repair non-preventable tree damage from minor storm	Complete	Oct-09	
			Engineering review of overload caused outages for corrective actions	Complete	Dec-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	
			Repair conditions found by previous reliability inspection	Complete	Feb-10	
			Review circuit for additional fault indicators	To be completed 2010		
18	Buffalo Road	00580-31	<b>Performance was driven by trees non-preventable during minor storm.</b>			
			Repair damage from minor storm	Complete	May-10	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
19	Rolling Meadows	00310-31	<b>Performance was driven by line failure during minor storm.</b>			2Q 2009
			Repair minor storm damage	Complete	May-10	3Q 2009 4Q 2009
20	Shawville	00151-21	<b>Performance was driven by animal contact, line failure and unknown outages.</b>			3Q 2009
			Engineering to review unknown outages for possible causes and corrective measures	Complete	Dec-09	4Q 2009
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	1Q 2010
			Full cycle tree clearing	To be completed 2010		2Q 2010
21	Grover	00527-63	<b>Performance was driven by non-preventable trees and equipment damage during minor storms.</b>			2Q 2009
			Repair damage from minor storm	Complete	Aug-09	3Q 2009
			Targeted Mainline Reliability Equipment Replacement	Complete	Aug-09	4Q 2009
			Repair damage from minor storm	Complete	Dec-09	1Q 2010
			Repair damage from minor storm	Complete	Apr-10	2Q 2010
22	Scalp Level	00031-11	<b>Performance was driven by wind damage during a minor storm and equipment failure.</b>			
			Repair minor storm damage	Complete	Apr-10	
23	Phillipsburg	00161-22	<b>Performance was driven by trees non-preventable and wind during minor storm and vehicle damage.</b>			
			Repair damage from minor storm	Complete	Dec-09	
			Repair line due to vehicle damage	Complete	Feb-10	
			Repair line due to vehicle damage	Complete	Apr-10	
			Add additional protection where needed.	To be completed 2010		
24	Elkland	00625-63	<b>Performance was driven by non-preventable trees during a minor storm.</b>			3Q 2009
			Repaired conductor due to non-preventable tree during minor storm	Complete	Aug-09	4Q 2009
			Review circuit for additional fault indicators	Complete	Mar-10	1Q 2010 2Q 2010
25	Blairsville East	00082-13	<b>Performance was driven by non-preventable trees during a minor storm and an unknown outage.</b>			
			Repaired damage from minor storm	Complete	May-10	
26	Boyer	00583-31	<b>Performance was driven by trees non-preventable during a minor storm, equipment failure and line failure.</b>			
			Full cycle tree clearing	Complete	Dec-09	
			Repair damage from minor storm	Complete	Jun-10	
			Add additional protection where needed.	To be completed 2010		

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
27	Lake Como	00788-65	<b>Performance was driven by trees non-preventable during minor storm and equipment failure.</b>			1Q 2009
			Full cycle tree clearing	Complete	Jul-09	2Q 2009
			Repaired damage from minor storm	Complete	Aug-09	3Q 2009
			Repair equipment failure	Complete	Mar-10	4Q 2009 1Q 2010 2Q 2010
28	Curryville	00610-71	<b>Performance was driven by wind damage during minor storm.</b>			
			Repair damage from minor storm	Complete	Apr-10	
29	Bay	00911-11	<b>Performance was driven by trees non-preventable and wind damage during minor storm.</b>			
			Repair damage from minor storm	Complete	Apr-10	
30	Green Garden	00224-31	<b>Performance was driven by equipment failure during minor storm.</b>			
			Repair damage from minor storm	Complete	Dec-09	
			Add additional protection where needed.	To be completed 2010		
31	Lowell Avenue	00518-31	<b>Performance was driven by damage from minor storms and equipment failure.</b>			
			Repair damage from minor storm	Complete	Oct-09	
			Repair damage from minor storm	Complete	Dec-09	
			Add additional protection where needed.	To be completed 2010		
32	Edinboro	00421-34	<b>Performance was driven by damage from minor storms and equipment failure.</b>			
			Repair damage from minor storm	Complete	May-10	
33	Erie South	00259-31	<b>Performance was driven by trees non-preventable during minor storm, equipment failure and CPA.</b>			
			Repair damage to line during minor storm	Complete	Aug-09	1Q 2009
			Engineering review of full circuit coordination	Complete	Sep-09	2Q 2009
			Full cycle tree clearing	Complete	Sep-09	3Q 2009
			Targeted Mainline Reliability Equipment Replacement	Complete	Sep-09	4Q 2009
			Repair damage from minor storm	Complete	Jun-10	1Q 2010
Repair conditions found by previous reliability inspection	Complete	Jun-10	2Q 2010			

<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
34	Blairsville East	00080-13	<b>Performance was driven by equipment failure and trees non-preventable.</b>			
			Repair equipment damage	Complete	Jan-10	
			Targeted Mainline Reliability Equipment Replacement	Complete	Jan-10	
35	Greenwood	00003-71	<b>Performance was driven by trees non-preventable during minor storm.</b>			
			Repair damage from minor storm	Complete	Oct-09	
			Review circuit for additional fault indicators	Complete	Apr-10	
36	Marienville	00328-51	<b>Performance was driven by trees non-preventable, line failure and equipment failure during minor storm.</b>			1Q 2009 2Q 2009 3Q 2009 2Q 2010
			Engineering review of full circuit coordination	Complete	Sep-09	
			Review circuit for fault indicators	Complete	Oct-09	
			Repair damage from minor storm	Complete	May-10	
37	Union City	00206-43	<b>Performance was driven by equipment failure, trees non-preventable, animal, lightning and damage during minor storms.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Repair damage from minor storm	Complete	May-09	
			Repair damage from minor storm	Complete	Aug-09	
			Engineering review of full circuit coordination	Complete	Oct-09	
			Targeted Mainline Reliability Equipment Replacement	Complete	Nov-09	
38	French Rd	00550-31	<b>Performance was driven by equipment failure during minor storm.</b>			2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Repair equipment due to minor storm	Complete	Dec-09	
39	South Fork	00229-11	<b>Performance was driven by wind damage during minor storm.</b>			
			Repair damage from minor storm	Complete	Apr-10	
40	DuBois	00137-23	<b>Performance was driven by trees non-preventable during minor storm, line failure, equipment failure and non-preventable trees.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Targeted Mainline Reliability Equipment Replacement	Complete	Sep-09	
			Engineering review of full circuit coordination	Complete	Sep-09	
			Repaired damage from minor storm	Complete	Oct-09	
			Perform mainline reliability inspection	Complete	Dec-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
41	Millcreek	00052-11	<b>Performance was driven by trees non-preventable during minor storm.</b>			
			Repaired damage from minor storm	Complete	Apr-10	
42	Clearfield	00148-21	<b>Performance was driven by line failure, equipment failure, unknown cause and animal contact.</b>			3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Engineering review of full circuit coordination	Complete	Oct-09	
			Perform mainline reliability inspection	Complete	Dec-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Jan-10	
			Repair conditions found by previous reliability inspection	Complete	May-10	
			Targeted Mainline Reliability Equipment Replacement	Complete	Jun-10	
			Add additional protection where needed.	To be completed 2010		
43	Brady Street	00136-23	<b>Performance was driven by car-pole accident.</b>			
			Repair damage from CPA	Complete	Feb-10	
44	Tunkhannock	00533-65	<b>Performance was driven by tree non-preventable during minor storm, equipment failure and line failure.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Full cycle tree clearing	Complete	Apr-09	
			Repair damage from minor storm	Complete	May-10	
			Targeted Mainline Reliability Equipment Replacement	Complete	Jun-09	
			Review circuit for additional fault indicators	To be completed 2010		
45	Tionesta Switching Station	00498-51	<b>Performance was driven by lightning damage during minor storm.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Repair damage from minor storm	Complete	Jun-10	
			Targeted Mainline Reliability Equipment Replacement	Complete	Aug-09	
			Engineering review of full circuit coordination	Complete	Sep-09	
			Review circuit for additional fault indicators	To be completed 2010		
46	Edgewood	00097-13	<b>Performance was driven by tree non-preventable during minor storm.</b>			
			Repair damage from minor storm	Complete	May-10	
47	Alexandria	00097-82	<b>Performance was driven by equipment failure.</b>			
			Repaired equipment damage	Complete	Oct-09	
			Review circuit for additional fault indicators	Complete	Apr-10	
			Targeted Mainline Reliability Equipment Replacement	Complete	Mar-20	

<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
48	Two Mile	00127-42	<b>Performance was driven by lightning damage and equipment failure.</b>			1Q 2009
			Engineering review of full circuit coordination	Complete	Sep-09	2Q 2009
			Repaired equipment damage	Complete	May-10	3Q 2009 4Q 2009 2Q 2010
49	Erie South	00312-31	<b>Performance was driven by CPA, unknown cause and line failure.</b>			
			Repair damage from CPA	Complete	Sep-09	
50	Roxbury	00138-83	<b>Performance was driven by equipment and line failure.</b>			
			Repair equipment failure	Complete	Feb-10	
			Full Cycle Tree Clearing	To be completed 2011		
51	Millcreek	00219-11	<b>Performance was driven by trees non-preventable and wind damage during minor storm.</b>			
			Repair damage from minor storm	Complete	Apr-10	
52	Lake Como	00787-65	<b>Performance was driven by lightning damage and line failure during minor storm.</b>			
			Full cycle tree clearing	Complete	Jun-09	
			Engineering review of full circuit coordination	Complete	Sep-09	
			Targeted Mainline Reliability Equipment Replacement	Complete	Dec-09	
			Repaired minor storm damage	Complete	May-10	
53	Eagles Mere	00686-62	<b>Performance was driven by trees non-preventable and equipment failure during minor storms and CPA.</b>			
			Repair damage from minor storm	Complete	Aug-09	
			Repair damage from minor storm	Complete	Dec-09	
			Repair damage from CPA	Complete	Dec-09	
			Repair damage from minor storm	Complete	May-10	
			Review circuit for additional fault indicators	Complete	Mar-10	
54	Lewis Run	00409-42	<b>Performance was driven by trees non-preventable during minor storms.</b>			
			Repair damage from minor storm	Complete	Oct-09	
			Repair damage from minor storm	Complete	Jun-10	
55	St Benedict	00057-72	<b>Performance was driven by non-preventable trees and line failure during minor storm.</b>			
			Repair damage from minor storm	Complete	Jun-10	

Penelec						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
56	Timblen	00103-23	<b>Performance was driven by non-preventable trees and equipment failure during minor storm.</b> Repair damage from minor storm	Complete	Jun-10	
57	Erie East	00234-31	<b>Performance was driven by line and equipment failure and equipment failure during minor storm.</b>			2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Full cycle tree clearing	Complete	Jun-09	
			Engineering review of full circuit coordination	Complete	Aug-09	
			Repaired equipment from minor storm damage	Complete	Dec-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	
			Add additional protection where needed.	To be completed 2010		
Review circuit for additional fault indicators	To be completed 2010					
58	Walnut Street	00520-31	<b>Performance was driven by line failure and unknown cause.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Full cycle tree clearing	Complete	Aug-09	
			Engineering to review unknown outages for possible causes and corrective measures	Complete	Dec-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	
			Repair conditions found by previous reliability inspection	Complete	Feb-10	
59	Greenwood	00041-71	<b>Performance was driven by trees non-preventable during minor storm, equipment and line failure.</b>			
			Repair damage during minor storm	Complete	Oct-09	
			Repair line failure	Complete	Jan-10	
	Philipsburg	00164-22	<b>Performance was driven by lightning and equipment failure during minor storm.</b>			2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Performed mainline reliability inspection	Complete	Mar-09	
			Repaired damage from lightning	Complete	Jun-09	
			Repaired equipment from minor storm damage	Complete	Dec-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	
			Repair conditions found by previous reliability inspection	Complete	May-10	
			Full Cycle Tree Clearing	To be completed 2010		
Targeted Mainline Reliability Equipment Replacement	To be completed 2010					
	Port Allegany	00151-42	<b>Performance was driven by equipment failure and line failure.</b>			
			Repair line failure	Completed	Jan-10	
			Full cycle tree clearing	To be completed 2010		

<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
	Knox	00323-51	<b>Performance was driven by trees non-preventable, unknown cause and equipment failure during minor storms and line failure.</b>			
			Repaired damage from minor storm	Complete	May-09	
			Repaired damage from minor storm	Complete	Aug-09	
			Repaired damage from minor storm	Complete	Dec-09	
			Engineering to review unknown outages for possible causes and corrective measures	Complete	Dec-09	
			Reliability Coordinator to inspect circuit based on outage history	Complete	Feb-10	
			Full Cycle Tree Clearing	To be completed 2010		
	Mercer Pike	00474-52	<b>Performance was driven by non-preventable tree during minor storms and an unknown cause.</b>			
			Repair damage from minor storm	Complete	Aug-09	
			Repair damage from minor storm	Complete	Dec-09	
			Full cycle tree clearing	To be completed 2010		
			Review circuit for additional fault indicators	Complete	Apr-10	
	N Meshoppen Tran	00530-65	<b>Performance was driven by equipment failure, non-preventable tree during minor storm and animal contact.</b>			
			Repair equipment failure	Complete	Apr-09	
			Repair equipment failure due to animal contact	Complete	May-09	
			Repair minor storm damage	Complete	Jun-09	
			Repair UG equipment failure	Complete	Jan-10	
			Targeted Mainline Reliability Equipment Replacement	To be completed 2010		
	Mill Road	00588-31	<b>Performance was driven by unknown cause during minor storm.</b>			
			Switching completed to restore customers	Complete	Aug-09	
			Full cycle tree clearing	To be completed 2010		
			Review circuit for additional fault indicators	To be completed 2010		

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	Yorkana	00708-4	<b>Performance was driven by a wind storm which were non-preventable tree cause outages (69% of minutes).</b>			1Q 2009 2Q 2009 1Q 2010 2Q 2010
			Crossarm and arresstor repairs	Complete	Jul-09	
			Comprehensive Tree Trimming	Complete	Mar-09	
			Installed additional fault indicators	Complete	Dec-09	
			Perform accelerated circuit three-phase backbone assessment after wind storm	Complete	Feb-10	
			Perform accelerated assesemnt on the curcuit backbone and three-phase of the circuit after a major hail storm	Completed	May-10	
Repair critical items identified from backbone assessment after wind storm	To be completed in 2010					
2	Birdsboro	00756-1	<b>Performance was driven by trees non-preventable primarily occuring during a small storm on June 24 to 25, 2010.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Crossarm and guy wire repairs	Complete	May-09	
			Perform fault current indicator installation Engineering study	Complete	Oct-09	
			Install fault current indicators at six locations	Complete	Dec-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three-phase assessment	Complete	Mar-10	
Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Jul-10				
3	No Bangor	00826-3	<b>Performance was driven by non-preventable trees and vehicle related outages.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Overloaded fuses replacement	Complete	Feb-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three-phase assessment	Complete	Mar-10	
			Forestry to perform on cycle comprehensive circuit Tree Trimming	Complete	Jun-10	
4	Yorkana	00715-4	<b>Performance was driven by non-preventable tree cause outages (75% of minutes).</b>			3Q 2009 4Q 2009 1Q 2010 2Q 2010
			2009 vegetation management - condition based	Complete	Feb-09	
			Repair critical items identified from comprehensive circuit patrol	Complete	Sep-09	
			Install 5 additional sectionalizing switches	Complete	Nov-09	
			Repair critical items identified from backbone assessment	Complete	Dec-09	
			Install additional fuses to protect the circuit backbone	Complete	Dec-09	
			Perform danger tree removal on the tree problem areas of the circuit	Complete	Dec-09	
			Installed additional fault indicators	Complete	Dec-09	
			Perform accelerated assessment on the circuit backbone including all three and single phases of the circuit after a major hail storm.	Complete	May-10	
			Perform accelerated circuit three phase backbone assesemnt and record the locations of all splices	Complete	Jul-10	
			Install three radio controlled switches with fault indicators	To be completed in 2010		
Perform thermal scan of all splices on the circuit three-phase backbone	To be completed in 2010					

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	Newberry	00576-4	<b>Performance was driven by non-preventable tree caused outages (85% of minutes).</b>			
			Perform accelerated circuit three phase-backbone assessment	Complete	Feb-09	1Q 2009
			Perform tree patrol on the tree problem areas of the circuit	Complete	Apr-09	2Q 2009
			Perform line patrol of high line failure area of the circuit	Complete	Dec-09	3Q 2009
			Repair critical items identified from the backbone assessment	Complete	Dec-09	4Q 2009
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Mar-10	1Q 2010
Perform accelerated assessment on the circuit backbone, three-phases of the circuit and a portion of the single phase	Complete	Jun-10	2Q 2010			
6	Birdsboro	00757-1	<b>Performance was driven by three tree-caused outages, an outage caused by a mainline switch problem, an outage caused by a squirrel contact in Birdsboro Substation and a car-pole accident.</b>			
			Install additional tap fuse	Complete	Dec-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three-phase assessment	Complete	Mar-10	
Comprehensive tree trimming	Complete	Jul-10				
7	19th and Cotton	00153-1	<b>Performance was driven by switch (cutout) equipment failure and an animal caused substation outage.</b>			
			Perform accelerated three phase and backbone assessment	Complete	Dec-09	
			Replace Switch T1-156 w/ 600 A Disc.	Complete	Jan-10	
			Replace Switch T3-153 w/ 600 A Disc.	Complete	Jan-10	
			Replace Switch 15336 w/ 600 A Disc.	Complete	Jan-10	
			Replace Switch T1-153 w/ 600 A Disc.	Complete	Jan-10	
			Replace Switches 13629 & 13659 w/ 600 A Disc.	Complete	Jan-10	
Install fuse bypass switch	To be completed in 2010					
8	Walker	00865-3	<b>Performance was driven by single storm and access/traffic issues.</b>			1Q 2009
			Review additional main line tap fusing	Complete	Feb-09	2Q 2009
			Study circuit configuration	Complete	Aug-09	3Q 2009
			Study primary customer tap fusing	Complete	Aug-09	4Q 2009
			Perform accelerated three-phase and backbone assessment	Complete	Jan-10	1Q 2010
			2Q 2010			
9	Annville	00742-2	<b>Performance was driven by tree caused outages, car pole outages, wind damage, a step bank failure and conductor failure.</b>			
			Accelerated circuit assessment three-phase	Complete	May-10	
			Post storm assessment due to excessive damage	Complete	Jun-10	
			Install GOAB to sectionalize	To be completed in 2010		
Comprehensive tree trimming	To be completed in 2011					
10	North Cornwall	00610-2	<b>Performance was driven by tree caused outages and pole failures.</b>			
			Accelerated circuit assessment three-phase	Complete	Jun-10	
			Install mainline three-phase switch	To be completed in 2010		
Replace solids with fuses and move four spans upstream	To be completed in 2010					

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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
11	North Lebanon	00712-2	<b>Performance was driven by tree caused outages, UG conductor failures and a recloser failure.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Install animal protection mainline recloser	Complete	Feb-09	
			Replace lightning arrestors	Complete	Jun-09	
			Install additional mainline switch	Complete	Jul-09	
			Comprehensive tree trimming	Complete	Nov-09	
			Accelerated circuit assessment three-phase	Complete	Apr-10	
			Reconfigure circuit/minimize exposure	Complete	Apr-10	
Install fuses four locations	To be completed in 2010					
12	Windsor	00795-4	<b>Performance was driven by two storm events (82% of minutes). 68% of the storm minutes was due to a broken pole caused outage.</b>			
			Perform accelerated circuit three-phase assessment	Complete	Jan-09	
			2009 vegetation management - condition based	Complete	Mar-09	
			Perform accelerated circuit three-phase backbone assessment	Complete	Oct-09	
			Install additional fuses to protect the circuit backbone	Complete	Dec-09	
			Perform accelerated circuit three-phase backbone assessment after wind storm	Complete	Jul-10	
Investigate additional fault indicators	To be completed in 2010					
13	Campbelltown	00731-2	<b>Performance was driven by tree caused outages, wind damage, UG cable failures and lightning damage</b>			
			Forestry to perform mid-cycle assessment of three-phase backbone	Complete	Dec-09	
			Replace UG cable along Gentry Drive	Complete	Jan-10	
			Accelerated circuit assessment three-phase	Complete	May-10	
			Post storm assessment due to excessive damage	Complete	Jun-10	
Forestry to perform mid-cycle assessment of remaining three-phase	To be completed in 2010					
14	Fox Hill	00816-3	<b>Performance was driven by overload, non-preventable tree and equipment related outages.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 2Q 2010
			Circuit automation (radio controlled equipment)	Complete	Jun-09	
			Study additional backbone protection	Complete	Aug-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
Perform accelerated three-phase assessment	Complete	Mar-10				
15	Allen	00503-4	<b>Performance was driven by lightning as cause at 46% of minutes and trees at 36% of minutes. 67% of circuit minutes from 6/12/10 and 6/24/10 storms.</b>			
			Complete five misc items found during assessment patrols	Complete	May-09	
			Replace one pole, one crossarm, and repair one misc item identified during patrols	Complete	Apr-10	
			Perform accelerated circuit reliability assessment of three phase - no Priority 1 Findings	Complete	Jun-10	
			Perform accelerated circuit reliability assessment of mainline - no Priority 1 Findings	Complete	Jun-10	
			Replace recloser destroyed by lightning in June 12 storm	Complete	Jul-10	
			Forestry perform off cycle trim (ytd)	Complete	Jul-10	
			Replace one crossarm and one other item identified during patrols (ytd)	Complete	Jul-10	
Forestry to perform on cycle comprehensive circuit tree trim	To be completed 2011					

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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
16	Grantville	00721-2	<b>Performance was driven by a pole failure, a cross arm failure and tree caused damage.</b>			
			Install New Recloser and remove existing recloser	To be completed in 2010		
			Accelerated circuit assessment 3 phase	To be completed in 2010		
			Comprehensive tree trimming	Complete	Nov-09	
17	Shawnee	00822-3	<b>Performance was driven by ice and equipment failure.</b>			1Q 2009
			Install SCADA and radio controls	Complete	Feb-09	2Q 2009
			Repair critical items identified from backbone assessment and circuit patrol	Complete	Sep-09	3Q 2009
			Perform accelerated backbone assessment	Complete	Jan-10	4Q 2009
			Perform accelerated three phase assessment	Complete	Jan-10	1Q 2010
Install fault Indicators	Complete	Apr-10	2Q 2010			
18	Barto	00706-1	<b>Performance was driven by trees non-preventable (70%) and a forced outage due to a car pole accident (17%).</b>			3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Comprehensive tree trimming	Complete	Mar-09	
			Install main-line tap fuses	Complete	Jun-09	
			Crossarm, insulator and arrester repairs	Complete	Feb-10	
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three phase assessment	Complete	Mar-10	
			Perform fault current indicator installation Engineering study	Complete	Mar-10	
Install fault current indicators at ten locations	Complete	May-10				
19	Dillsburg	00746-4	<b>Performance was driven by tree as cause at 87% of minutes and 33% of circuit minutes from the 10/7/09 tree on mainline incident.</b>			
			Replace 2 crossarms, 3 bell insulators, and 3 cutouts found during Line patrol	Complete	May-09	
			Perform accelerated circuit reliability assessment of mainline- No Priority 1 findings	Complete	Oct-09	
			Perform accelerated circuit reliability assessment of three phase- No Priority 1 findings	Complete	Dec-09	
			Replace 3 insulators and 1 misc item found during Line patrol	Complete	Jan-10	
			Perform accelerated circuit reliability assessment of three phase- No Priority 1 findings	Complete	Apr-10	
			Perform accelerated circuit reliability assessment of mainline- No Priority 1 findings	Complete	Apr-10	
Forestry to perform on cycle comprehensive circuit tree trim in 2010	To be completed 2010					
20	Flying Hills	00777-1	<b>Performance was driven by an outage caused by a wire down in off-road area, four tree-caused outages, two outages caused by vehicle accidents and a terminator failure on the get-away riser pole.</b>			
			Replace terminators on the get-away riser pole.	Complete	Mar-09	
			Install additional tap fuses	Complete	Dec-09	
			Upgrade fuses to improve tie capability	Complete	Dec-09	
			Install additional mainline disconnects	Complete	Dec-09	
			Crossarm brace/ground/guy wire repairs	Complete	Dec-09	
			Perform accelerated backbone assessment	Complete	Apr-10	
Perform accelerated three phase assessment	Complete	Apr-10				

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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
21	Bridgeton Hill	00117-3	<b>Performance was driven by tree related outages and loss of supply from JCP&amp;L</b>			3Q 2009
			Perform accelerated three-phase and backbone assessment	Complete	Jul-09	4Q 2009
			Comprehensive tree trimming	Complete	Dec-09	1Q 2010 2Q 2010
22	Allen	00502-4	<b>Performance was driven by tree as cause at 59% of circuit minutes, line failure at 16% of circuit minutes, and vehicle contact at 13% of circuit minutes. 23% of circuit minutes by trees in the 6/24/10 storm, 12% of circuit minutes from one vehicle contact on 8/14/09 and 11% of minutes by line failure during August '09 storms.</b>			
			Perform accelerated circuit reliability assessment of three phase	Complete	Apr-10	
			Perform accelerated circuit reliability assessment of mainline	Complete	Apr-10	
			Replace two crossarms and one other item identified during line patrol	Complete	May-10	
			Forestry to perform on cycle comprehensive circuit tree trim in 2011	To be completed 2011		
23	Annville	00743-2	<b>Performance was driven by tree caused outages and cutout failures.</b>			
			Accelerated circuit assessment three-phase	Completed	May-10	
			Post storm assessment due to excessive damage	Complete	Jun-10	
			Forestry patrol of backbone and all of three-phase along Lancaster Ave	To be completed in 2010		
			Comprehensive tree trimming	To be completed in 2011		
24	Shawnee	00860-3	<b>Performance was driven by insulator equipment failure (59%) and failed CLFs (21%).</b>			
			Comprehensive tree trimming	Complete	Jul-09	
			Perform accelerated three phase assessment	Complete	Jan-10	
			Repair items identified from three-phase assessment	Complete	Feb-10	
			Install radio control communication equipment on sectionalizer	Complete	Jul-10	
			Perform fuse and coordination study	To be completed in 2010		
25	Roundtop	00583-4	<b>Performance was driven by two mainline spacer cable failures at 78% of minutes and equipment failures at 12% of minutes. 63% of total minutes from the June 27 mainline spacer failure.</b>			
			Install additional fusing 11 locations and changed fuses four other locations	Complete	Jun-09	
			Install seven fault indicators various locations	Complete	Jun-09	
			Replace one pole, two crossarms and two misc items found during line patrol	Complete	Sep-09	
			Replace two crossarms and three misc items found during line patrol	Complete	Jun-10	
			Perform accelerated circuit reliability assessment of mainline	Complete	Oct-09	
26	Pleasureville	00710-4	<b>Performance was driven by a wind storm which were non-preventable tree cause outages (87% of minutes).</b>			
			Perform accelerated assesement on the circuit backbone and three-phases of the circuit	Complete	Jul-10	
			Forestry to perform on cycle comprehensive circuit tree trimming	To be completed in 2010		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
27	Newberry	00586-4	<b>Performance was driven by a vehicle caused outage during a wind storm (73% of minutes) and by non-preventable tree cause outages (23% of minutes).</b>			
			Forestry to perform on cycle comprehensive circuit tree trimming	Completed	Jun-10	
28	Shawnee	00837-3	<b>Performance was driven by tree contacts and equipment failure related outages.</b>			2Q 2009
			Forestry patrol of lockout zone	Complete	Jul-09	3Q 2009
			Repair critical items identified from backbone assessment & circuit patrol	Complete	Apr-09	4Q 2009
			Install radio control communication equipment and automation	Complete	Dec-09	1Q 2010
			Perform accelerated three phase and backbone assessment	Complete	Jan-10	2Q 2010
29	Bernville	00787-1	<b>Performance was driven by four large tree problems, insulator problem which caused a forced outage of the circuit to repair safely during rainy weather, multiple UG outages and an outage caused by a transmission line falling on the Distribution line.</b>			
			Replace lightning arresters at four locations	Complete	Jun-09	
			Pole Replacement one location	Complete	Jun-09	
			Replace crossarms - four locations	Complete	Jun-09	
			Install three fuses to prevent circuit lockout	Complete	May-09	
			Install fault indicators (five underground locations)	Complete	Sept-09	
			Install fault indicators (ten mainline locations)	Complete	Dec-09	
			Comprehensive tree trimming	Complete	Dec-09	
Perform accelerated three-phase and backbone assessment	Complete	Mar-10				
30	N Hanover	00514-4	<b>Performance was driven by wind storm as cause at 88% of circuit minutes, which felled 7 poles.</b>			
			Perform accelerated circuit reliability assessment of three phase	Complete	Dec-09	
			Perform accelerated circuit reliability assessment of mainline	Complete	Oct-09	
			Replace one cutout found during line patrol	Complete	Mar-10	
31	Campbelltown	00634-2	<b>Performance was driven by wind damage and tree caused outages.</b>			
			Post storm assessment due to excessive damage	Complete	Jun-10	
			Accelerated circuit assessment 3 phase	Complete	May-10	
32	Barto	00705-1	<b>Performance was driven by trees non-preventable (55%), primarily during two small storms (February 10-11, 2010 and March 13-14, 2010) and by a circuit breaker failure (25%).</b>			
			Comprehensive Tree Trimming	Complete	Mar-09	
			Crossarm Brace Repair	Complete	Mar-09	
			Install Main-line Tap fuses	Complete	Jul-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three phase assessment	Complete	Mar-10	
			Perform Fault Current Indicator Installation Engineering Study	Complete	Mar-10	
Install Fault Current Indicators at seven locations	Complete	May-10				

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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
33	Gardners	00750-4	<b>Performance was driven by vehicle contacts (11) as cause at 58% of circuit minutes, trees at 24% of circuit minutes and equipment failure at 16% of minutes. 48% of minutes from the 12/27/09 vehicle contact and 16% of minutes due to cutout failure on September 26, 2009.</b>			
			Perform accelerated circuit reliability assessment of three phase	Complete	Feb-10	
			Perform accelerated circuit reliability assessment of mainline	Complete	Feb-10	
			Install animal guarding one location	Complete	Feb-10	
			Forestry to perform on cycle comprehensive circuit tree trimming in 2011, evaluating for spot trimming in 2010	To be completed 2011		
34	Bernville	00786-1	<b>Performance was driven by two equipment problems, two line problems, animal and tree caused outages.</b>			2Q 2009 3Q 2009 4Q 2009 2Q 2010
			Replace lightning arresters, crossarms and crossarm brace	Complete	May-09	
			Pole replacements	Complete	May-09	
			Install fault indicators (five mainline switch locations)	Complete	May-09	
			Perform accelerated three-phase and backbone assessment	Complete	Oct-09	
			Guy wire repairs	Complete	Dec-09	
			Comprehensive tree trimming	Complete	Dec-09	
			Install fault indicators at existing mainline switch	Complete	Feb-10	
			Perform accelerated backbone assessment	Complete	Mar-10	
Perform accelerated three phase assessment	Complete	Mar-10				
35	Hill	00736-4	<b>Circuit performance was driven by two wind storm events (94% of minutes). 100% of the storm minutes were broken pole caused outages.</b>			
			Inspect remaining poles in lock out zone	To be completed in 2010		
36	Dillsburg	00749-4	<b>Performance was driven by tree as cause at 84% of circuit minutes and a forced outage at 9% of circuit minutes. 81% of circuit minutes from the 10/7/09 tree on line incident.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010 2Q 2010
			Perform accelerated circuit reliability assessment of mainline	Complete	May-09	
			Repaired one Priority 1 finding on mainline	Complete	May-09	
			Animal guard recloser	Complete	Sep-09	
			Replaced 2 poles 1 crossarm 7 insulators and 5 other items identified during patrols	Complete	Sep-09	
			Installed additional fusing or recoordinates fusing at 3 locations	Complete	Sep-09	
			Perform accelerated circuit reliability assessment of three phase	Complete	Jun-10	
			Perform accelerated circuit reliability assessment of mainline	Complete	Jun-10	
			Perform accelerated circuit reliability assessment of single phase	Complete	Apr-10	
Forestry to perform on cycle comprehensive circuit Tree Trim in 2010	To be completed 2010					
37	Birdsboro	00759-1	<b>Performance was driven by trees non-preventable (56%), and company human error when tree was dropped into the circuit during trimming cycle (20%).</b>			
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three phase assessment	Complete	Mar-10	
			Comprehensive tree trimming	Complete	Feb-10	

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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
	Taxville	00575-4	Performance was driven by vehicle contact cause outages (51% of minutes) and with one vehicle caused outage accounting for 57% of those minutes and by line failure outages (44% of minutes).			2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Install additional fuses to protect the circuit main three phase	Complete	Mar-09	
			Perform accelerated circuit three-phase backbone assessment	Complete	Mar-09	
			Perform accelerated circuit main three-phase assessment	Complete	May-09	
			Repair critical items identified from backbone assessment	Complete	Jun-09	
			Forestry to perform on cycle comprehensive circuit tree trimming	Complete	Oct-09	
			Perform accelerated three-phase and backbone assessment	Complete	Feb-10	
	Birchwood	00622-3	Performance was driven by non-preventable tree, animal contact and wind related outages.			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Study further backbone protection	Complete	Aug-09	
			Perform accelerated three-phase and backbone assessment	Complete	Mar-10	
	Ringing Rocks	00708-1	Performance was driven by company human error during tree trimming (47%) and trees non preventable (32%).			2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Crossarm and arrestor repairs	Complete	Jul-09	
			Comprehensive tree trimming	Complete	Jul-09	
			Perform accelerated backbone assessment.	Complete	Mar-10	
			Perform accelerated three-phase assessment.	Complete	Mar-10	
	Pine Lane	00713-1	Performance was driven by single minor storm (81%).			2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Install mainline tap fuses	Complete	Jun-09	
			Perform fault current indicator installation Engineering study	Complete	Oct-09	
			Install fault current indicators at ten locations	Complete	Dec-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three phase assessment	Complete	Mar-10	
			Forestry to perform on cycle comprehensive circuit Tree Trimming in 2011, evaluating for spot trimming in 2010	To be Completed in 2011		
	Pine Lane	00720-1	Performance was driven by single minor storm (51%).			2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Arrestor repair	Complete	Jun-09	
			Install mainline tap fuses	Complete	Jun-09	
			Perform fault current indicator installation engineering study	Complete	Oct-09	
			Install fault current indicators at ten locations	Complete	Dec-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
			Perform accelerated three-phase assessment	Complete	Mar-10	
			Install recloser	To be Completed in 2010		
			Forestry to perform on cycle comprehensive circuit tree trimming in 2011, evaluating for spot trimming in 2010	To be Completed in 2011		

Met-Ed						
Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	Appeared in 4 of 6 Quarters
	Mountain	00744-4	<b>Performance was driven by trees as cause at 61% of circuit minutes and related equipment issues accounting for 30% of minutes. At least 44% of circuit minutes were directly attributed to trees in the radially served Pine Grove Rd - Michaux State Forest area.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Perform accelerated circuit reliability assessment including Pine Grove Rd	Complete	Feb-09	
			Install digital recording ammeters on Pine Grove Road and study Winter loading	Complete	Mar-09	
			Installed 3 phase fault indicators 2 locations	Complete	Mar-09	
			Forestry patrol Pine Grove Road	Complete	Apr-09	
			Forestry off cycle trim Pine Grove Rd & State Forest area, removed 11 trees and spot trimmed multiple locations	Complete	Apr-09	
			Replaced 5 poles, 10 crossarms, and 6 other items found during patrol	Complete	Jun-09	
			Engineering study to install additional fault indicators	Complete	Oct-09	
			Install fault indicators 12 locations	Complete	Nov-09	
			Forestry to perform on cycle comprehensive circuit Tree Trimming	Complete	Mar-10	
			Perform accelerated circuit reliability assessment of mainline - No Priority 1 findings	Complete	Mar-10	
			Perform accelerated circuit reliability assessment of three phase - No Priority 1 findings	Complete	Mar-10	
	Replaced 2 poles and 2 insulators identified on patrol (ytd)	Complete	Mar-10			
	Gardners	00752-4	<b>Performance was driven by vehicle contacts (13) as cause at 65% of circuit minutes and trees at 26% of minutes. 19% of minutes from tree trouble during the Jan 7, 2009 ice storm and 25% of minutes from one vehicle contact on Feb 3, 2009.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Perform mainline Forestry Patrol as follow-up to 1/7/09 ice storm	Complete	Jan-09	
			Perform hot spot pine tree removals on mainline near Gardners sub	Complete	Jan-09	
			Perform accelerated circuit reliability assessment of three phase	Complete	Apr-09	
			Perform accelerated circuit reliability assessment of mainline	Complete	Sep-09	
	Forestry to perform on cycle comprehensive circuit Tree Trimming in 2011, evaluating for spot trimming in 2010	To be completed in 2011				
	River View Sub	00793-1	<b>Performance was driven by two equipment failures and one animal outage.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Comprehensive tree trimming	Complete	Jun-09	
			Install fault indicators at two existing switch locations	Complete	Jun-09	
			Pole repair/replace	Complete	Dec-09	
			Additional fusing	Complete	Dec-09	
			Perform circuit three-phase backbone assessment	Complete	Mar-10	
	Two new mainline switch installations w/fault indicators	Complete	Feb-10			
	S Nazareth	00809-3	<b>Performance was driven by non-preventable trees, line failure and equipment failure.</b>			1Q 2009 2Q 2009 3Q 2009 4Q 2009 1Q 2010
			Main Line Enhanced Tree Clearing	Complete	Feb-09	
			Install Fault Indicators	Complete	Jun-09	
			Install Fused Bypass	Complete	Jul-09	
			Perform accelerated backbone assessment	Complete	Mar-10	
	Perform accelerated three phase assessment	Complete	Mar-10			

Met-Ed						
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	Bath	00873-3	<b>Performance was driven by vehicle accidents, non-preventable trees and equipment failure.</b>			
			Study Downtown Bath Sectionalization	Complete	Jul-09	1Q 2009
			Study Bath Substation Automation	Complete	Jul-09	2Q 2009
			Perform accelerated three phase assessment	Complete	Jan-10	3Q 2009
			Forestry to perform on cycle comprehensive circuit Tree Trimming	Complete	Mar-10	4Q 2009
			Perform accelerated backbone assessment	Complete	Jul-10	
	Shawnee	00895-3	<b>Performance was driven by lightning, car pole accidents and non-preventable tree-related outages</b>			
			Repair critical items identified from backbone assessment & circuit patrol	Complete	Mar-09	1Q 2009
			Install radio control communication equipment on existing automation	Complete	Aug-09	2Q 2009
			Main Line Back Bone protection (lateral fusing)	Complete	Nov-09	3Q 2009
			Perform accelerated three phase and backbone assessment	Complete	Jan-10	4Q 2009
			Install Fault Indicators	Complete	Apr-10	1Q 2010
	Shawnee	00899-3	<b>Performance was driven by non-preventable trees, equipment and line failure related outages.</b>			
			Routine Tree Maintenance	Complete	Mar-09	1Q 2009
			Study Additional Backbone Protection	Complete	Nov-09	2Q 2009
			PM/CM items repair	Complete	Dec-09	3Q 2009
			Perform accelerated three phase and backbone assessment	Complete	Jan-10	4Q 2009
						1Q 2010

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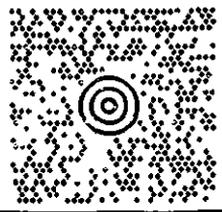
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