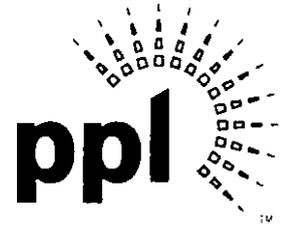


ORIGINAL

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FEDERAL EXPRESS

July 31, 2006

James J. McNulty, Esquire
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, Pennsylvania 17120

DOCUMENT
FOLDER

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JUL 31 2006

PA PUBLIC UTILITY COMMISSION
SECRETARY'S OFFICE

**Re: PPL Electric Utilities Corporation
Quarterly Reliability Report for the
Period Ended June 30, 2006
Docket No. L-00030161**

ORIGINAL

Dear Mr. McNulty:

Enclosed for filing on behalf of PPL Electric Utilities Corporation ("PPL Electric") are an original and five (5) copies of PPL Electric's Quarterly Reliability Report for the Period Ended June 30, 2006. The report is being filed pursuant to the Commission's Final Rulemaking Order adopted May 7, 2004 in the above-captioned docket.

Pursuant to 52 Pa. Code § 1.11, the enclosed document is to be deemed filed on July 31, 2006, which is the date it was deposited with an overnight express delivery service as shown on the delivery receipt attached to the mailing envelope.

In addition, please date and time-stamp the enclosed extra copy of this letter and return it to me in the envelope provided.

If you have any questions regarding this document, please call me or Joseph M. Kleha, PPL Electric's Manager-Regulatory Projects at (610) 774-4486.

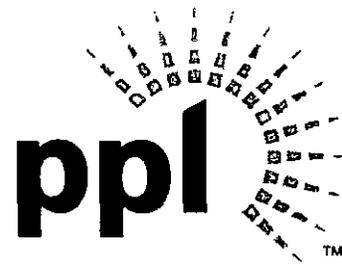
Very truly yours,

Paul E. Russell

Enclosures

cc: Elizabeth H. Barnes, Esquire
Mr. Darren Gill

104



PPL Electric Utilities

**PPL Electric Utilities Corporation
Quarterly Reliability Report
to the
Pennsylvania Public Utility Commission**

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July 2006

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

- (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.*

There were no major events during this quarter.

- (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.*

The following table provides data for the 12 months ended June 30, 2006.

SAIFI (Benchmark = 0.98; Rolling 12-month Std. = 1.18)	1.172
CAIDI (Benchmark = 145; Rolling 12-month Std. = 174)	142
SAIDI (Benchmark = 142; Rolling 12-month Std. = 205)	166
MAIFI¹	5.810
Average Number of Customers Served²	1,352,498
Number of Sustained Customer Interruptions (Trouble Cases)	23,152
Number of Customers Affected³	1,584,863
Customer Minutes of Interruptions	225,018,146
Number of Customer Momentary Interruptions	7,857,512

¹ MAIFI data is obtained at the substation breaker and does not include momentary interruptions at lower level devices.

² PPL Electric calculates the indices using customers served at the end of the period. This is consistent with the method used to calculate PPL Electric's benchmarks.

³ The data reflects the number of customers interrupted for each interruption event summed for all events, also known as customer interruptions. If a customer is affected by three separate cases of trouble, that customer represents three customer interruptions, but only one customer interrupted.

- (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**

The following table provides reliability index values for the worst performing 5% of the circuits in the system for the 12 months ended at the current quarter. An explanation of how PPL Electric defines its worst performing circuits is included in Appendix A.

WPC Rank	Feeder ID	SAIFI	CAIDI	SAIDI	MAIFI ⁴	Customers	Cases of Trouble ⁵	Customer Minutes Interrupted	CPI
1	16402	12.55	99	1,246	11.00	856	76	1,066,716	677
2	15701	6.45	200	1,292	4.00	1,161	102	1,500,416	538
3	18502	2.66	817	2,171	0.00	1,767	110	3,835,500	536
4	26401	3.23	151	488	3.00	3,157	149	1,541,876	531
5	15601	6.13	156	955	7.69	2,322	106	2,216,505	528
6	45402	7.14	160	1,141	13.00	1,566	89	1,787,269	523
7	28301	4.11	178	732	5.00	2,794	125	2,045,776	507
8	28801	2.24	419	939	14.00	2,581	129	2,424,469	494
9	55001	3.28	103	338	8.04	2,708	128	915,977	470
10	28102	3.65	202	739	1.00	1,662	111	1,228,607	459
11	11001	6.87	110	759	6.00	854	66	647,767	444
12	16101	3.04	120	363	4.00	2,504	120	909,670	444
13	26001	3.72	156	578	3.00	1,261	106	728,839	439
14	43401	4.96	205	1,014	12.00	1,493	82	1,514,349	433
15	12701	5.04	86	433	13.00	1,492	88	646,074	429
16	22602	4.10	188	769	8.00	1,432	91	1,101,478	421
17	53901	4.48	199	891	9.00	1,879	81	1,674,508	411
18	46302	1.36	419	572	10.00	1,758	109	1,004,870	410
19	12002	9.01	71	639	12.00	1,315	25	840,827	410
20	44505	2.50	253	633	20.06	2,331	103	1,475,045	405
21	10903	4.96	70	348	3.34	2,018	80	702,544	402
22	22001	1.42	280	399	3.00	1,933	112	770,632	394
23	28302	3.23	178	575	4.00	2,767	92	1,590,414	390
24	15702	5.88	99	581	3.00	1,577	58	916,011	385
25	17803	3.96	187	741	3.00	2,456	77	1,819,105	380

⁴ MAIFI data is obtained at the substation breaker and does not include momentary interruptions at lower level devices.

⁵ Cases of trouble are the number of sustained customer service interruptions.

WPC Rank	Feeder ID	SAIFI	CAIDI	SAIDI	MAIFI ⁴	Customers	Cases of Trouble ⁵	Customer Minutes Interrupted	CPI
26	47707	2.51	220	553	17.00	1,976	94	1,091,926	376
27	43202	3.18	266	845	11.00	2,049	79	1,731,561	371
28	10901	5.27	123	647	6.44	1,473	59	953,030	369
29	26702	2.29	166	380	5.00	2,389	97	908,383	366
30	53602	1.55	118	183	4.00	3,318	111	608,530	365
31	22601	3.55	130	460	4.00	1,931	80	887,906	361
32	13502	3.63	185	673	15.00	2,749	74	1,849,585	359
33	26602	1.20	342	411	12.02	2,962	95	1,218,390	354
34	22002	3.87	175	678	3.00	1,330	69	901,719	354
35	20403	3.34	133	445	1.00	1,833	79	816,222	352
36	17802	2.78	192	534	9.00	2,327	81	1,242,023	347
37	46301	2.58	525	1,352	9.00	852	58	1,152,101	344
38	27503	2.84	440	1,252	14.00	2,206	59	2,762,417	340
39	18501	1.90	537	1,019	0.00	1,672	64	1,704,416	337
40	16802	2.67	249	666	19.00	1,717	73	1,142,664	334
41	14403	1.94	156	302	10.00	2,499	90	754,708	333
42	16401	3.58	300	1,073	8.00	665	55	713,525	330
43	40502	3.33	140	466	4.00	1,826	70	850,325	329
44	26002	3.07	301	925	3.00	1,145	61	1,059,167	327
45	46602	1.47	334	492	6.00	1,540	81	757,780	326
46	17902	4.79	219	1,049	18.00	973	41	1,020,629	324
47	10701	1.25	1,196	1,490	6.00	1,955	19	2,912,336	321
48	12301	1.28	514	658	0.00	1,240	67	816,132	317
49	16405	5.92	186	1,104	16.00	279	24	307,943	316
50	13102	2.65	340	900	3.00	1,931	58	1,737,645	311
51	45102	2.81	987	2,778	1.00	183	7	508,452	309
52	53501	3.61	107	385	10.00	2,114	60	813,170	308
53	41901	4.89	210	1,025	8.00	667	34	683,789	308
54	41002	2.46	192	473	4.00	1,255	70	594,190	307

PPL Electric's Circuit Performance Index ("CPI") is derived from the frequency and duration of service interruptions that occurred during the specified time period. Improving a circuit's CPI depends upon reducing either the service interruption frequency or the duration of interruptions, or both. When a new circuit appears among the 5% worst performing, the first step undertaken is to perform a "circuit outage data analysis." This consists of analyzing the actual service interruptions that occurred during the time span to determine if there are causal patterns, or geographic patterns, for which corrective actions are feasible which would improve the circuit's CPI.

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

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
1 Circuit ID: 16402 MOUNT POCONO 64-02		CPI: 677		
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/11/2004	Most of the problems were trees outside of the right of way, but there were some trimming related problems. This circuit did have some hotspot trimming completed earlier in 2004.
	Tree trimming. Hot spotted in April and May	Completed	5/31/2005	Reduced outage risk.
	Tree trimming. Overgrown areas will be identified by field engineer for hot spot trimming.	Completed	8/31/2005	Reduced outage risk.
	7/13/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2005	
	11/22/2005: Tree trimming. As of 7/8/06, 75% completed. The remainder of the trimming will be completed by 8/31/06.	Scheduled for	12/31/2006	Reduced outage risk.
	2/16/2006: Line inspection-equipment.	Completed	3/30/2006	Customer minutes will be saved by identifying equipment that is prone to failure.
	6/15/2006: Improve sectionalizing capability. An intelligent switching project has been identified to reduce customer minutes lost.	Scheduled for	12/31/2006	Reduced customer count affected by each outage.
	6/15/2006: Evaluate potential ties.	Completed	12/31/2006	Reduced outage duration. Field review completed 6/2006. Proposed location of new substation located and ties identified. Details forwarded to appropriate personnel.
	Monitor future performance	Ongoing		
2 Circuit ID: 15701 TANNERSVILLE 57-01		CPI: 538		
	Circuit outage data analysis.	Completed	6/15/2004	Major contributor to CPI was the number of cases (approximately 52% of CPI), CAIDI and SAIFI are low. Most contacts were tree related.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/11/2004	Many tree related outages, some were trimming related.
	Field engineer will review the circuit for additional tap fuses.	Completed	7/31/2005	The main three phase line was analyzed, and no additional locations for fuses were determined.
	Tree trimming. This circuit was scheduled to be trimmed in support of reconductor work.	Completed	3/30/2006	Approximately 1.5 miles of the main three phase line was trimmed in support of the upcoming USF work.
	Reconductor 1.5 miles of the main line under SP 51216.	Completed	3/30/2006	The line was reconducted to increase reliability, allow capacity for load growth, and improve SAIDI.
	Circuit performance review.	Completed	6/30/2006	Inconclusive. Monitor future performance. Faulty sectionalizer identified and repairs are in progress. One LBAS is scheduled to be installed as part of the Reliability Preservation program.
	6/30/2006: Repair faulty sectionalizer.	Scheduled for	12/31/2006	
	6/30/2006: Install one LBAS	Scheduled for	12/31/2006	
	7/1/2006: Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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3 Circuit ID: 18502 CANADENSIS 85-02

CPI: 536

Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/11/2004	There were mostly tree related outages on this circuit.
Improve sectionalizing capability.	Completed	11/16/2004	Additional fusing was added to a poor performing section of the line.
Tree trimming. Hotspot trimming completed	Completed	12/1/2004	Reduced outage risk.
1/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2006	The majority of problems on this line were due to non-trimming related vegetation issues. In addition, an abnormal sectionalizing event caused power quality and line issues. This event is not expected to recur.
2/16/2006: Tree trimming. Tree Trimming is 10% complete. The remainder of the trimming will be completed in the last quarter of 2006.	Scheduled for	12/1/2006	Tree trimming will reduce the number of customer outages and improve SAIFI.
2/16/2006: Install LBAS(s). Installed LBAS at 68724N38376 and 69390N35855 as part of the Expanded Operational Review.	Completed	6/15/2006	Increasing sectionalizing on the line will reduce the number of customer experiencing an outage.
Expanded Operational Review. Perform Voltage Profile. Review circuit for possible LBAS installations. Summer Thermography to be completed 7/27/2006.	EOR initiated	8/31/2006	Two LBAS's have been identified and are scheduled for installation. Locations for LBAS's are 68724N38376 and 69390N35855. (WR 291219 & 291155). Voltage Profile scheduled for 7/28/2006
Monitor future performance.	Ongoing		

4 Circuit ID: 26401 INDIAN ORCHARD 64-01

CPI: 531

Circuit outage data analysis.	Completed	6/23/2004	Major contributors to CPI were the number of cases and SAIFI. Blooming Grove - West Damascus 69kV tripped to lockout contributing greatly to SAIFI. An OCR failed and is not likely to recur. Many tree related outages both trimming and non-trimming related and animal contacts. Line was trimmed in September 2003 so hotspotting the line will be ineffective.
A detailed analysis of sectionalizing will be completed on this line. A review of the existing protection and potential device additions will be performed.	Completed	6/25/2004	Three single phase taps were identified as requiring further sectionalizing and possibly an additional feed from the main line.
Improve sectionalizing capability. Areas for further sectionalizing have been identified. Field engineer will locate additional sectionalizing devices.	Completed	12/31/2005	Reduced customer count affected by each outage.
10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2005	
11/23/2005: Underground failures were tested and replacements will be made.	Scheduled for	12/31/2006	
5/31/2006: Improve sectionalizing capability. Field engineer will consider additional sectionalizing in the form of sectionalizers	Scheduled for	12/31/2006	Improving sectionalizing will reduce number of customers experiencing an outage
Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
5	Circuit ID: 15601 NO STROUDSBURG 56-01			CPI: 528
	Circuit outage data analysis.	Completed	6/23/2004	Major contributor to CPI was the number of cases. There were several burned loops on the line and quite a few animal contacts.
	Line inspection-equipment.	Completed	3/31/2005	
	Perform line maintenance identified by line inspection.	Completed	5/30/2005	Reduced outage risk.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	6/6/2005	
	Line inspection-vegetation. Forester will perform a vegetation line inspection and perform hot spot trimming as required.	Completed	7/28/2005	Results sent to field for review. Hot spotting will be scheduled as needed.
	Install fuse(s). WR# 218967, WR# 224357, WR# 224423; OCR and fuse installation;	Completed	12/30/2005	Fuses and OCRs were installed to reduce the number of customers experiencing an outage
	Thermographic inspection-OH line. This circuit will be thermovisioned to help identify failed equipment.	Scheduled for	12/30/2006	Thermovision for this line will be evaluated and a schedule developed in the third quarter of 2006.
	11/22/2005: Tree trimming. Tree trimming is 75% complete as of 7/1/06. The remainder of the trimming will be completed in the third quarter of 2006.	Scheduled for	12/31/2006	Reduced outage risk.
	1/13/2006: Install fuse(s). WR 224008	Scheduled for	12/31/2006	Schedule is under evaluation. New schedule will be developed in the third quarter of 2006.
	6/15/2006: Evaluate potential ties.	Scheduled for	12/31/2006	Reduced outage duration. LBAS will be installed by 8/31/06.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
6 Circuit ID: 45402 WEST BLOOMSBURG 54-02			CPI: 523	
	Line inspection-equipment.	Completed	7/31/2005	The line was inspected in the winter of 2004. Some items were identified by inspection including broken tie wires, cracked insulators, bad TFC's, blown LA's. Some of the work requests were done in the first quarter of 2005, and the rest were completed in June/ July 2005. All single phase and three phase fuses were installed on this circuit.
	Circuit outage data analysis.	Completed	8/22/2005	CPI was driven by SAIFI (3,338; 39% of the CPI) and number of cases (54; 44% of CPI). The major outages in the third quarter of 2004 were because of Hurricane IVAN on 9/18/04. 108 customers were interrupted for approximately 33 hours because of IVAN. While no major outages in Q4, 2004, a snow storm in the first quarter of 2005 caused long outages because of flood and closed bridges. Nothing major in the Q2, 2005 except the not trimming related outage on 4/28/2005. The WPC team noticed that animals caused some outages in the second quarter of 2005, and the field will be looking to install an animal guards where needed to avoid those outages in the future.
	Tree trimming.	Scheduled for	11/30/2006	The line is 100 miles long. 4 miles urban were trimmed in 2003, and the rest (95miles rural) are scheduled to be trimmed in 2006. The circuit is being reviewed for hot spot trimming. Hot spot rimming was partially done in September 2005, and fully completed on the whole circuit by the end of December, 2005.
	11/2/2005: Circuit outage data analysis.	Completed	11/2/2005	Major contribution to the CPI was due to SAIFI (46% of total CPI) and the number of cases (46% of total CPI). A vehicle hit on 8/8/2005, and a storm in July caused major outages in the third quarter of 2005.
	Line inspection-equipment.	Completed	9/30/2005	A line inspection was performed in September 2005. Different items were identified by the inspection including broken tie wires, cracked insulators, bad transformer fuse cutouts, blown lightning arresters. 6 work requests were written due to the inspection. WR's 208868, 208701, 208487, 208428, 208357, and 208306 were done by September 2005.
	11/2/2005: Improve sectionalizing capability.	Completed	11/2/2005	The circuit was reviewed for additional sectionalizing in 2005 to improve load transfer capabilities. No locations were identified to install sectionalizing devices.
	11/2/2005: Monitor future performance.	Ongoing		Tree hot spotting in 2005, and the completion of all work requests identified by inspection are expected to improve the circuit's performance. Major outages occurred on the circuit in the third quarter were due to events that are not expected to occur again such as the vehicle hit in August. PPL will continue to monitor the circuit's performance.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
7	Circuit ID: 28301 NEWFOUNDLAND 83-01			CPI: 507
	Circuit outage data analysis.	Completed	6/25/2004	Major contributor to CPI was the number of cases (30%). The contributing outages (mostly trees) did not fall into a discernable pattern. No outages were trimming related.
	Circuit outage data analysis.	Completed	8/23/2004	Review of circuit outages indicated there were two poor performing single phase taps.
	Improve sectionalizing capability. Increase sectionalizing on two poor performing single phase taps beyond OCR 66696N44669.	Completed	12/31/2004	Field review of the poor performing section of line indicated that additional sectionalizing will not greatly improve reliability on that part of the circuit. Tap fusing in the area already adheres to PPL's policy of fusing all single phase taps.
	Tree trimming. Hot spot trimming on two poor performing single phase taps.	Completed	3/30/2005	Reduced outage risk.
	Circuit outage data analysis.	Completed	10/20/2004	Trees and animals accounted for over 70% of the outages seen in the past year. This is a heavily forested area where trees outside of the right of way contribute to 50% of the total CPI. Even if all other outages were removed this circuit would still be among the worst performers due to trees outside of the RAW.
	Line inspection-equipment.	Canceled	11/30/2005	Field Engineer determined that line inspection was unnecessary because line was inspected in 2004.
	11/23/2005: Betterment project to split one phase tap by sectionalizing. Additional OCR's will be installed.	Scheduled for	9/30/2006	Reduced customer count affected by each outage.
	Tree trimming. Trimming and hot spotting will be done in 2006.	Scheduled for	12/31/2006	Reduced outage risk.
	2/21/2006: Line inspection-equipment.	Completed	4/7/2006	Inspection will help identify problem areas of line that need to be repaired. These repairs will prevent possible outages and customer minutes lost, directly impacting SAIDI.
	5/25/2006: Expanded Operational Review.	EOR initiated	9/30/2006	
	5/31/2006: Install animal guard(s). Animal guards were added in quarter 1 of 2006 and will be added as needed.	Ongoing		Animal guards were added to reduce animal contact related outages.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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8 Circuit ID: 28801 LAKEVILLE 88-01

CPI: 494

7/13/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2005	Vegetation issues caused nearly half of all the outages on this line. Weather was a significant factor for these outages. Trimming was completed on this line in 2005.
WR# 237040: OH repairs made as a result of line inspection	Completed	9/15/2005	Work completed to reduce customer minutes lost
Tree trimming.	Completed	10/31/2005	Reduced outage risk.
Install fuse(s). WR# 242026; WR#241998; WR#241849	Completed	12/31/2005	Reduced customer count affected by each outage. New fuses being installed to improve SAIDI
Install LBAS(s).	Scheduled for	12/31/2006	Sectionalizing the line will reduce the number of customers experiencing an outage
5/31/2005: Install animal guard(s). Animal guards are added as needed to the line	Ongoing		Animal guards are placed after outages are experienced to prevent future outages.
Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
9	Circuit ID: 55001 NEWPORT 50-01			CPI: 470
	Improve sectionalizing capability. Three tap fuses were installed.	Completed	12/31/2003	Reduced customer count affected by each outage.
	Circuit outage data analysis.	Completed	6/25/2004	Vehicles and an ice storm in January 2004 contributed to the CPI.
	Two OCRs relocated. Low set setting on breaker changed.	Completed	8/18/2004	Reduced customer count affected by each outage. Reduce number of trips.
	Tree trimming.	Completed	8/27/2004	Reduced outage risk.
	Circuit outage data analysis.	Completed	12/22/2004	Area hard hit by Hurricane Ivan in the 3rd quarter.
	Circuit outage data analysis.	Completed	3/18/2005	The quarterly CPI has decreased 79% from the 3rd to the 4th quarter.
	Circuit outage data analysis.	Completed	5/27/2005	CPI continues to improve.
	Line inspection-equipment.	Completed	6/30/2005	Only a few items were found.
	Circuit outage data analysis.	Completed	8/31/2005	On 5/7/05 the CB was interrupted when load was transferred and a line loop burned open and then on 5/27/05 an OCR bypass loop burned open. This is not expected to reoccur.
	Circuit outage data analysis.	Completed	10/31/2005	Outage on 8/23/05 due to customer cutting a tree which fell into line.
	12/7/2005: Install LBAS(s). Instal LBAS @ 17530S42150	Completed	1/23/2006	Reduced outage duration.
	1/1/2006: Expanded Operational Review.	EOR initiated	11/30/2006	Reliability Review Complete 6/9/2006. Field Review Complete 6/19/2006. WR 306662 Initiated to install 3 tap fuses.
	2/14/2006: Monitor future performance.	Completed	2/14/2006	Re Oct 15 & 16 outages: the area downstream of the OCRs was field checked on Feb 14 2006, and no danger trees were found.
	2/14/2006: Tree trimming. The main portion of the circuit (first 12 mi of 3 phase) from sub to New Bloomfield.	Completed	6/24/2006	Reduced outage risk. Only 31% of the customer minutes in 2005 were tree-related, and of these, a single tree outage from off the right of way was responsible for 20% alone. However, keeping the line on its trimming schedule will demonstrate continued efforts to keep trees from increasing the number of outages.
	2/14/2006: Tree trimming. Remainder of circuit (approx 150 ckt miles).	Scheduled for	12/31/2007	Reduced outage risk.
	3/31/2006: Improve sectionalizing capability.	Completed	3/31/2006	Inconclusive. Monitor future performance. Line reviewed for additional sectionalizing. Circuit has adequate sectionilizing points, and no new sectionalizing points were feasible.
	5/17/2006: Circuit outage data analysis.	Completed	5/17/2006	2/3 of customer minutes during the 1st qtr 2006 were due to the Feb 17 windstorm. Trees from off the right of way heavily damaged a portion of the main line on this ckt, and an OCR locked out approx 3/4 of the customers on the line. Trees were all from outside the right of way on this heavily wooded circuit. The line was cleared and OCR restored after 140 minutes.
	6/19/2006: Install fuse(s). WR 306662 Install 3 tap fuses	Scheduled for	12/31/2006	Reduced customer count affected by each outage.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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10 Circuit ID: 28102 TWIN LAKES 81-02

CPI: 459

10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2005	An inspection was completed in 2004 and problems were addressed. Vegetation was a major issue that caused customer minutes lost. Vegetation related outages were due to weather primarily.
11/23/2005: Tree trimming.	Completed	2/28/2004	Reduced outage risk.
Line inspection-equipment. Two sections of line will be inspected	Completed	3/30/2006	The inspection targets equipment that may fail. By making repairs or replacements, customer outages will be prevented. Nothing significant was found.
5/31/2006: Install animal guard(s). Install as outages are seen on the line	Ongoing		Installing animal guards will prevent future outages on the line due to animal contact
5/25/2006: Expanded Operational Review.	EOR initiated	9/30/2006	
11/23/2005: Monitor future performance.	Ongoing		

11 Circuit ID: 11001 EAST GREENVILLE 10-01

CPI: 444

Circuit outage data analysis. Attempting to locate trouble spots.	Completed	6/11/2004	Cases are 55% of the circuit's performance problems. After detailed review, there are still no specific known problems.
Line inspection-vegetation. Trouble feeders inspected for trees	Completed	10/14/2004	Reduced outage risk. No significant performance issues.
Protection Scheme re-evaluated	Completed	10/18/2004	Reduced customer count affected by each outage. This should reduce customer outage exposure.
Tree trimming.	Completed	9/30/2005	Reduced outage risk.
Improve sectionalizing capability.	Completed	1/31/2006	Install two sets of disconnect switches and fault indicators in the northern portion of the circuit to provide for sectionalizing, possible transfer of load to the Macungie 27-1 line, and to help reduce restoration time.
Improve sectionalizing capability. Additional fuses will be added as well.	Scheduled for	12/30/2006	Project being developed to resectionalize trouble spots, and add better fusing scheme to limit customer exposure. Inaccessible portion of the line will be re-fed from a new single phase section. Currently being developed to be placed in service as soon as possible.
Perform Thermovision on this circuit.	Scheduled for	12/31/2006	Reduced outage risk.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
12 Circuit ID: 16101 BINGEN 61-01				CPI: 444
	Tree trimming. Spot trimming.	Completed	3/31/2004	Reduced outage risk.
	Circuit outage data analysis.	Completed	6/11/2004	Number of cases and SAIFI are the two biggest factors in the CPI. There is no detectable pattern of causes. Cases alone contribute 60% of this circuit's performance issues, with SAIFI contributing just under 30%.
	New Sectionalizing : Replace 1 fused cutout with an OCR and install 2 fused cutouts to reduce the length of line on a sectionalizing device. Install a 3 phase loadbreak airswitch to enable customers to be restored quicker during an outage.	Completed	7/19/2004	Reduced customer count affected by each outage.
	Replace cracked porcelain fused cutouts and lightning arresters.	Completed	6/30/2004	Reduced outage risk.
	Install fault indicators on line to locate momentary problems.	Completed	8/16/2004	This was done to locate momentary problems that occur on the line. The installation is complete and the indicators are being used to find the fault faster
	Improve sectionalizing capability. Investigating splitting the line to allow back feeding from other half.	Completed	2/28/2005	Majority of performance problems occur on fused taps. Load pick up is not the primary performance issue.
	Transfer lower portion of line to the Richland 36-3 line to reduce the length of line exposure.	Canceled	7/22/2005	Project was cancelled due to capacity concerns on the Richland Substation.
	Reconductoring 7 single phase taps with XLP and stronger conductor	Completed	11/30/2005	Reduced outage risk. Should see reduction in cases, and possibly lower circuit CAIDI
	Nine overhead spans that were located in an inaccessible area were relocated underground.	Completed	12/31/2005	Reduced outage risk.
	Twenty five fault indicators will be installed.	Completed	3/1/2006	Reduced outage duration.
	Reconductoring sections of 3 phase line with XLP and stronger conductor.	Scheduled for	9/30/2006	Reduced outage risk.
	Perform Thermovision on 69 kV lines into the Bingen substation.	Completed	6/21/2006	No concerns were identified.
	Tree trimming.	Scheduled for	12/31/2006	Reduced outage risk.
	Reconductor 8 sections of single phase line with XLP and stronger conductor	Scheduled for	8/31/2006	Reduced outage risk.
	4/3/2006: Expanded Operational Review.	EOR planned	12/31/2006	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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13 Circuit ID: 26001 WEST DAMASCUS 60-01

CPI: 439

10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2005	Many of the outages were due to vegetation issues during storms. Majority of the outages were weather related.
2/21/2006: Install animal guard(s). Animal guards will be installed as customers are restored following an animal-related outage	Ongoing		Animal guards will prevent animal contact and reduce customer interruptions.
5/31/2006: Tree trimming. Hot spotting will be done as necessary	Scheduled for	6/30/2007	Hot spotting will be completed to reduce outages due to trees seen on the line
Expanded Operational Review.	EOR initiated	9/30/2006	
11/22/2005: Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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14 Circuit ID: 43401 BENTON 34-01

CPI: 433

	Circuit outage data analysis.	Completed	8/22/2005	CPI for the Q2, 2005 was primarily driven by cases of trouble (152; 49% of CPI). The only reported significant outage occurring on 34-1 during the first quarter of 2004 was a vehicle accident on 1/12/2004 causing 183 customers to be out of service for 2 hrs. During the second quarter of 2004, the high CPI was due to equipment failure, approximately 188 customers experienced outages ranging from 1 hr to 6 hrs, on 5-2-2004, 5-3-2004, and 5/5/2004. During the third quarter of 2004, approximately 200 customers experienced outages ranging from 7 hrs to 78 hours, due to hurricane IVAN on 9/18/2004. Specifically, 100 of these 200 customers experienced a 78 hour outage due to trees off the right of way (not tree trimming related), however, the remaining 100 customers did experience a 16 to 20 hr outage due to inadequate tree trimming. 40 CPI points were due to a pole hit during Q4, 2004, and no major outages in Q1, 2005. The circuit improved since the last quarter of 2004, and nothing major in the Q2, 2005.
	Perform line maintenance identified by line inspection.	Completed	8/22/2005	The line was inspected in the winter of 2004, and some items were identified by inspection. Work requests were written for those items to replace transformers, TFC's, LBC's, Ridge Pins, and install animal guards. Some of the work requests were completed in the first quarter of 2005 and the rest were done by the end of the second quarter.
	Improve sectionalizing capability. Review line to determine if additional sectionalizing can be added to minimize the number of customers affected by emergency outages.	Completed	6/1/2005	Susquehanna Region has reviewed line for location to add OCR's, or other sectionalizing devices, no new locations were found.
	11/2/2005: Circuit outage data analysis.	Completed	11/2/2005	Major contribution to the CPI was due to the number of cases (47% of total CPI). Trees not trimming related caused long duration outages in the third quarter 2005 due to a big storm on 7/13/2005.
	11/2/2005: Tree trimming.	Completed	12/1/2005	The Benton line 1 is 132 miles long, and it is all rural. The 3-phase hot-spot trimming was completed by December 30 2004. Tree trimming work was fully completed on the circuit by December 2005. Approximately \$400,000 was spent on tree trimming on this line.
	11/2/2005: Line inspection-equipment.	Completed	8/31/2005	The Benton line was inspected by the end of Q4, 2004. A lot of different items were identified by inspection. WR's 213126, 211539, 205701, 205695, 205639, 205634, 205604, 205401, 205387, 205378, 205332, 204966, and 187571 were written due to inspection. Work requests were completed by August 2005.
	2/9/2006: Improve sectionalizing capability.	Completed	3/20/2006	Reduced customer count affected by each outage. The line crew reviewed the line for additional sectionalizing devices. An air break switch was installed on the Benton -01 line to reduce the duration of outages on the line.
	11/2/2005: Monitor future performance.	Ongoing		Major contribution to the CPI on this circuit was due to storms in the second and third quarters of 2005. Thermovision of 3 phase was completed in December 05 12.8 miles. No hot spots were found on line. Recent tree trimming and work requests identified by inspection are expected to improve the circuit's performance. PPL will continue to monitor the circuit's performance in the future.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
	Expanded Operational Review.	Scheduled for	9/6/2006	
15	Circuit ID: 12701 MACUNGIE 27-01			CPI: 429
	Install Fault Indicators.	Scheduled for	8/31/2006	Reduced outage duration.
	7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	
16	Circuit ID: 22602 KIMBLES 26-02			CPI: 421
	Circuit outage data analysis.	Completed	6/23/2004	Major contributors to CPI were the number of cases and SAIFI. BLGR-WDAM 69kV tripped to lockout which significantly contributed to SAIFI, this event is not likely to recur.
	Circuit outage data analysis.	Completed	8/25/2004	Identified a poor performing single phase tap.
	Improve sectionalizing capability. Field engineer will review sectionalizing on poor performing single phase tap.	Completed	12/31/2004	Two additional OCR's added to improve SAIDI.
	Fault indicators will be installed on an inaccessible part of the line to facilitate outage restoration.	Canceled	6/30/2005	Field engineer determined that fault recorders were unnecessary.
	4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2006	Approximately 44% of the CPI contribution was due to trees outside the right of way. In addition, an underground failure at Bohemia substation on february 11, 2006 caused a 69 kV outage due to a stuck breaker. This resulted in a loss of the 69 kV source to the Kimbles Substation, resulting in over 154,000 customer minutes lost. Other outages in January and February were due to wind and other weather conditions.
	5/31/2006: Install animal guard(s).	Ongoing		These animal guards are installed as needed, following an outage. This will prevent future animal contact related outages.
	Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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17 Circuit ID: 53901 HALIFAX 39-01

CPI: 411

	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	3/18/2005	West Shore portion of the circuit needs to be trimmed.
	Tree trimming. West Shore portion of circuit	Completed	8/31/2005	Reduced outage risk.
	Circuit outage data analysis.	Completed	5/27/2005	CPI has improved. Pole top fire on 2/14/2005 outaged the line.
	Circuit outage data analysis.	Completed	8/31/2005	On 6/29/05 during a period of rain the CB operated due to a tree on a 3 phase tap-inadequate trimming. Tree was trimmed.
	Circuit outage data analysis.	Completed	10/31/2005	Outage on 8/6/05 was due to trees. Trees were trimmed to restore service.
	1/1/2006: Expanded Operational Review. Reliability Review Complete 7/11/2006.	EOR initiated	12/31/2006	
	2/17/2006: Tree trimming-selected line segments only (hot spots).	Completed	2/17/2006	Reduced outage risk. During the Feb 17 windstorm, PPL asked for and received permission to tree trim / cut the worst section of line where trees up a steep bank but off our right of way regularly take the line out. Crews cut down 16' additional right of way for 1/3 of a mile, reducing exposure on the worst tree-endangered portion of this circuit.
	3/1/2006: Improve sectionalizing capability. Relocate OCR to improve sectionalizing	Completed	3/21/2006	Reduced customer count affected by each outage.
	3/1/2006: Install 3 phase OCR(s). A 3-phase OCR will be relocated to just prior to the worst tree-exposed portion of the line along the Susquehanna.	Completed	3/14/2006	Reduced customer count affected by each outage.
	5/17/2006: Circuit outage data analysis.	Completed	5/17/2006	Inconclusive. Monitor future performance. 75% of the customer minutes in 1st qtr 2006 were due to the two windstorms (Jan 24 & Feb 17). This circuit parallels the Susquehanna river, and several miles of the line run along a steep bank, where trees outside the right of way but far above the line in elevation often take the line out.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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18 Circuit ID: 46302 ROHRSBURG 63-02

CPI: 410

	Circuit outage data analysis.	Completed	8/22/2005	The Rohrsburg 63-2 line was reported as having a high CPI during the first and second quarter of 2004. However, a large number of customers experienced outages, short or long in duration has not been reported for the 1st and 2nd quarters in 2004. It was reported on 2/21/2004, 19 customers experienced a 5 hr. outage due to equipment failure. In the Q2, 2004, 24 customers experienced outages ranging from 7 hrs to 12 hrs due to equipment failure on 6/17/2004. No major outages in the Q4, 2004. A snow storm caused long duration outages in Q1, 2005 where 11 customers experienced an outage for approximately 23 hours because of the flood in the area on 3/23/05. It was reported that there were some non-controllable causes for long outages on this circuit because of lightning. No major outages in the Q2, 2005 beside the outage on 6/6/2005, which was caused by trees-non trimming related in a very windy day.
	Improve sectionalizing capability.	Completed	6/1/2005	The line was reviewed and no new locations for new sectionalizing devices were found.
	Perform line maintenance identified by line inspection.	Completed	9/30/2005	Line maintenance was started by the region in the first week of August, 2005. Nothing major was found. Only lower priority things were found. The pole by pole inspection and the review of fuses on 3 phase and single phase have been done on the circuit by the end of Q3, 2005.
	Tree trimming.	Scheduled for	12/31/2006	The 153 miles long line is scheduled to be trimmed in 2007. The line was checked for trees, and hot spot trimming was completed by the end of 2005.
	11/2/2005: Circuit outage data analysis.	Completed	11/2/2005	Major contribution to the CPI on this circuit was due to SAIFI and the number of trouble cases. A storm on 7/14/2005 caused a few long outages on this line. Most of outages in the third quarter of 2005 were due to Trees not trimming related and equipment failure.
	11/2/2005: Line inspection-equipment.	Completed	8/31/2005	A line inspection was performed in August 2005 on the entire feeder. 11 WR's were initiated as a result of this patrol. All work requests were completed in 2005. The work included de-energized unused tap, replace blown arrestors and bad transformer fuse cutouts.
	11/2/2005: Monitor future performance.	Ongoing		In progress work is expected to improve the circuit's performance. PPL will continue to monitor the circuit's performance in the future.

19 Circuit ID: 12002 HATFIELD 20-02

CPI: 410

	7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	
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<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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20 Circuit ID: 44505 HAMILTON 45-05

CPI: 405

	Circuit outage data analysis.	Completed	12/30/2004	The Hamilton 45-5 line was reported as having a high CPI in the second and third quarters of 2004. 100% of the high CPI during the second quarter 2004 is due to a vehicle accident which occurred on 5-15-04, 185 customers experienced a 7 hr. outage. 100% of the high CPI during the third quarter of 2004 is due to hurricane IVAN, approximately 25 customers experienced outages ranging from 4 hrs to 32 hrs. (outages reported as non-tree trimming related). Also approximately 150 miles of rural 45-5 line were trimmed in 2003.
	11/2/2005: Circuit outage data analysis.	Completed	11/2/2005	The major contribution to the CPI was mainly due to the number of cases (70 % of the total CPI). Trees-not trimming related and equipment failure were the major cause of many outages in the third quarter of 2005.
	11/2/2005: Tree trimming.	Completed	12/31/2005	The line is approximately 164 miles long. The whole circuit was last trimmed in 2003. The next trimming schedule is in 2008 for the urban section, and in 2011 for the rural section. Hot spotting will be evaluated and performed as identified by the forestry crew.
	5/25/2006: Line inspection-equipment.	Completed	3/31/2006	The line inspection was partially completed by 11/1/2005 (about 66 % of the total line). Two immediate problems were identified and fixed (bad transformer fuse cutout and bad tap switch). Two work requests were initiated totaling \$5,000 to replace bad transformer fuse cutout and tap switches. An electronic OCR was replaced on this circuit on 2/9/2006.
	2/9/2006: Relocate inaccessible line.	Scheduled for	12/1/2006	A reliability preservation job has been approved to relocate an Inaccessible section of the Hamilton - 05 line. A section of # 6A conductor is getting overloaded and will be relocated to the road to improve the reliability of the line. The job is in progress and expected to be completed by the end of 2006.
	11/2/2005: Monitor future performance.	Ongoing		PPL will continue to monitor the circuit's performance.

21 Circuit ID: 10903 COOPERSBURG 09-03

CPI: 402

	Circuit outage data analysis.	Completed	6/15/2004	The number of cases(45%) and SAIFI(44%) are the biggest factors in the CPI.
	Load balancing.	Completed	6/11/2004	Reduced outage risk.
	Changed relay setting at substation.	Completed		Completed on 10/26/04, should reduce momentary outages.
	Circuit outage data analysis.	Completed	12/23/2004	Circuit performance improved through quarters one and two of 2004 because of relay improvements, continued improvement expected in 2005.
	1/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/17/2006	This circuit experienced 3 major outages as a result of disturbances on the 69 kV system caused by a pole top fire, a pole hit, and loops burning open.
	Tree trimming.	Scheduled for	12/31/2006	Reduced outage risk.
	Monitor future performance on line.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
22	Circuit ID: 22001 BOHEMIA 20-01			CPI: 394
	Circuit outage data analysis.	Completed	6/15/2004	Major contributor to CPI was the number of cases. BLGR-WDAM 69kV Tripped to Lockout due to a crossarm failure which is unlikely to recur. Other outage causes were mostly tree (non-trimming) related but with no discernable pattern Appaerent.
	4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2006	An underground failure on this circuit resulted in an extended outage. It also caused an outage on the 69 kV line. Over 579,000 customer minutes were lost on the line as a result of this.
	Expanded Operational Review.	EOR initiated	9/30/2006	
23	Circuit ID: 28302 NEWFOUNDLAND 83-02			CPI: 390
	Circuit outage data analysis.	Completed	6/15/2004	Major contributors to CPI were number of cases and SAIFI. There were several animal contacts and tree related outages during bad weather (not trimming related), but no discernable pattern was apparent. The major outages contributing to SAIFI are unlikely to recur (line de-energized to replace tap fuse, pole top fire, loop burned open). This line had an equipment inspection in January 2004.
	Improve sectionalizing capability. Field engineer to review a single phase tap downstream of OCR 66629N42489 to improve sectionalizing on that tap.	Completed	11/12/2004	Field review of the poor performing section of line indicated that additional sectionalizing will not greatly improve reliability on that part of the circuit. Tap fusing in the area already adheres to PPL's policy of fusing all single phase taps.
	Tree trimming.	Completed	8/30/2005	
	Line inspection-equipment. Field engineer will identify targeted areas for line inspection.	Completed	12/31/2005	Field engineer determined there were no areas requiring line inspections because entire line was inspected in 2004.
	3/31/2006: Line inspection-equipment.	Completed	3/30/2006	Customer minutes will be saved by identifying equipment that is in danger of falling.
	Expanded Operational Review.	EOR initiated	9/30/2006	
	Continue to monitor future performance.	Ongoing		
24	Circuit ID: 15702 TANNERSVILLE 57-02			CPI: 385
	4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	4/27/2006	Inconclusive. Monitor future performance. Scheduled to finalize action items third quarter 2006.
	5/15/2006: Reconductor line. A section of #2 Cu conductor was identified to increase sectionalizing capability.	Scheduled for	9/30/2006	Reduced outage duration.
	Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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25 Circuit ID: 17803 GILBERT 78-03

CPI: 380

10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2005	One vehicle hit caused a 500 minute outage. One dig-in also significantly contributed to customer minutes lost. Neither of these events is expected to recur.
11/22/2005: A section of underground was checked for failure on this circuit	Completed	11/30/2005	Results and recommendation were sent to field engineer.
4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list. Field engineer is analyzing the circuit.	Scheduled for	9/30/2006	
Improve sectionalizing capability.	Scheduled for	12/31/2006	Reduced outage duration. Sectionalizer study in progress. Will be completed by the end of 2006. Hot spot trimming maybe performed if outages due to trees continues to increase.

26 Circuit ID: 47707 BLOOMSBURG 77-07

CPI: 376

4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/25/2006	Major contribution to the CPI was mainly due to the storm on 1/14/2006 and 7/13/2005. Trees non trimming related caused the majority of outages on this circuit.
Tree trimming.	Completed	12/31/2005	The circuit is approximately 100 miles long. The 10 miles urban were trimmed in 2003, and the 90 miles rural were trimmed in 2005.
Line inspection-equipment.	Completed	3/31/2006	Line inspection was completed in March 2006. 16 work requests were initiated for maintenance items totaling \$33,100. 10 work requests were already completed and the rest are scheduled to be completed by the end of third quarter 2006. Items found include blown LA's, bad arms, broken tie wires, melted dead-ends, broken guy wires, and cement switches.
Improve sectionalizing capability.	Completed	4/30/2006	The circuit was reviewed for additional sectionalizing devices. No locations were identified by the review.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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27 Circuit ID: 43202 MILLVILLE 32-02

CPI: 371

	Circuit outage data analysis.	Completed	12/31/2004	The Millville 32-2 line was reported as having a high CPI during the 1st and 2nd quarter of 2004. During the Q1 of 2004, on 2/6/2004, approximately 254 customers experienced a 1 hr. outage, nothing found was reported. During the Q2 of 2004, 82 customers experienced approximately 4 hr. outage due to a vehicle accident and on 5/10/2004, 11 customers experienced a 8 hr. outage due to equipment failure. Major outages occurred in the Q3 of 2004 because of hurricane IVAN on 9/18/05 where 22 customers experienced long duration outage because of flood and closed roads. The snow storm in the Q1 of 2005 also caused long duration outages on 3/23/2005. The hurricane IVAN and the snow storm were the major cause for long outages on this circuit.
	Improve sectionalizing capability. Review line to determine if additional sectionalizing can be added to minimize the number of customers affected by emergency outages.	Completed	12/30/2004	Reduced customer count affected by each outage. The 32-2 line was reviewed for locations to add/install additional sectionalizing devices. No locations were found. A partial inspection on 3 phase line was done in the winter of 2003, and nothing major found on this circuit. The crew spot the problem area on this circuit by plotting the outages on the map. Installing additional OCRs was looked at as a part of SAIFI initiative study.
	Tree trimming.	Scheduled for	12/1/2006	The line is approximately 162 miles long. The 9.2 miles urban were trimmed in 2004. The 153 miles rural section is in the budget to be trimmed in 2006. The job is expected to be completed by the end of Q4, 2006. The majority of this line is in inaccessible area. The line was reviewed by the region forestry staff. Some hot spot trimmings were done in Apr/May, 2005, and were completed on the whole circuit by 12/30/2005.
	10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/2/2005	The storm on 7/13 and 7/14 caused 8 cases of trouble in the third quarter of 2005. Trees-not trimming related were the cause of major outages on this circuit. No major outages were in the Q4 of 2005.
	Improve sectionalizing capability.	Completed	3/31/2005	Reduced outage risk. The crew reviewed the line for additional sectionalizing in the first quarter of 2005. A solid blade and additional single phase fuses were installed by the end of Q1, 2005. No additional work is required.
	Line inspection-equipment.	Completed	8/30/2005	Reduced outage risk. A line maintenance inspection patrol was completed in August 2005. Nine work requests were initiated as a result of the inspection. Seven of those work requests were completed in 2005. Two work requests remain were completed in the first quarter 2006. One of the work requests requires facility/customer interruption coordination, and the second location requires a special 75 foot bucket.
	8/22/2005: Install fuse(s).	Completed	12/31/2005	Reduced customer count affected by each outage. The field engineer reviewed the line for additional fuses. All single phase and three phase tap fuses were installed by the end of 2005.
	3/20/2006: Monitor future performance.	Ongoing		PPL will continue to monitor the circuit's performance in the future.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
28	Circuit ID: 10901 COOPERSBURG 09-01			CPI: 369
	4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2006	This circuit experienced 3 major outages as a result of disturbances on the 69 kV system caused by a pole top fire, a pole hit, and loops burning open.
29	Circuit ID: 26702 HEMLOCK FARMS 67-02			CPI: 366
	10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2005	A vehicle contact contributed significantly to customer minutes lost. This is not expected to occur again.
	2/21/2006: Install new line and terminal. A new line and terminal will be installed and a portion of the line will be rebuilt	Scheduled for	11/1/2006	The new line and terminal will sectionalize the line and increase transfer capability, resulting in a reduction of CAIDI.
	11/22/2005: Monitor future performance.	Ongoing		
30	Circuit ID: 53602 DALMATIA 36-02			CPI: 365
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	12/22/2004	Area hit by Hurricane Ivan in the 3rd quarter.
	Install an electronic OCR on the east side of the river crossing.	Completed	12/22/2004	Reduced customer count affected by each outage.
	Circuit outage data analysis.	Completed	3/18/2005	The quarterly CPI has decreased 50% from the 3rd to the 4th quarter. A motor vehicle accident contributed 13% of the customer minutes interrupted in the 4th quarter. Tree trimming planned for 2006.
	Circuit outage data analysis.	Completed	5/27/2005	CPI continues to improve.
	Line inspection-equipment.	Completed	8/31/2005	Found a pole on an island in the river crossing requiring replacement due to bank erosion.
	Replace pole on island in the river crossing weakened due to bank erosion.	Scheduled for	9/30/2006	Reduced outage risk. Island is uninhabited, and has no road or bridge access. Pa DER will not allow PPL to float a pole across the river due to leaching of preservative into the river. Securing permits to cross the river with men, vehicles, and equipment is proving extremely difficult and time-consuming. Target date to reinforce bank and poles is 9/30/06.
	Circuit outage data analysis.	Completed	10/31/2005	Inconclusive. Monitor future performance. Outage on 8/11/05 due to trees - not trimming related. Trees trimmed.
	Tree trimming. Main portion of the 3 phase line, to the OCRs.	Completed	12/30/2005	Reduced outage risk.
	2/14/2006: Tree trimming. Remainder of line.	Scheduled for	8/30/2006	Reduced outage risk.
	1/1/2006: Expanded Operational Review. Operational Review will be completed in 2006 - Voltage profile and outage history analysis. Reliability Review Complete 7/11/2006.	Completed	7/1/2006	Voltage profile showed no problems. 5 unfused taps to be field-checked by tech. Bad tree spots will not be given to foresters b/c entire circuit to be trimmed in 2006
	Install fuse(s). Check unfused taps near 22690n16710, 26200n18530, 28875n19100, and 28875n19100	Scheduled for	8/30/2006	Reduced customer count affected by each outage.
	5/17/2006: Circuit outage data analysis.	Completed	5/17/2006	Inconclusive. Monitor future performance. 87% of the customer minutes during the 1st qtr 2006 was due to a car pole and a wind storm Jan 15-18. The vehicle accident was an hour from the service center. The OCR was restored in 134 minutes. All the trees were off corridor.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
31	Circuit ID: 22601 KIMBLES 26-01			CPI: 361
	7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	
32	Circuit ID: 13502 MCMICHAELS 35-02			CPI: 359
	7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	
33	Circuit ID: 26602 BROOKSIDE 66-02			CPI: 354
	Line inspection-equipment. Due to the high number of animal contacts (35% of the total CPI) and equipment failures (22% of total CPI) an equipment line inspection will be performed.	Completed	1/30/2004	Several maintenance items were identified. A WR was initiated to address these problems.
	Circuit outage data analysis.	Completed	6/15/2004	Major contributor to CPI was the number of cases. Animal contacts made up about 35% of the total CPI.
	PPL Electric will review the process for animal guard installations to ensure that animal guards are installed for animal related OH transformer outages and new OH transformer installations.	Completed	8/25/2004	Animal guard practices have been reviewed and troublemen in this area have been instructed to ensure animal guards are installed when and where appropriate.
	Line inspection-equipment. A helicopter patrol was performed on an inaccessible part of the line.	Completed	6/10/2005	Several broken crossarms and a downed static wire were discovered.
	Fault recorders will be installed on an inaccessible part of the line.	Completed	6/30/2005	Reduced outage duration.
	Perform line maintenance identified by line inspection. Helicopter patrol was completed	Completed	12/30/2005	Broken and failing crossarms were found and repaired to reduce risk of customer outage.
	Tree trimming. Hot Spotting being done as needed	Completed	9/30/2005	Reduced outage risk.
	Line being reconducted for 0.3 miles (WR# 233124)	Scheduled for	9/30/2006	
	11/4/2005: Sectionalizer being replaced (WR#269977). Additional sectionalizing opportunities being considered by field engineer.	Scheduled for	9/30/2006	Replacement of the sectionalizer will improve reliability and decrease the number of customers experiencing an outage.
	4/17/2006: Relocate inaccessible line. An inaccessible portion of the Brookside 66-02 and 66-04 line is scheduled to be rebuilt along the roadway. The line is planned to be rebuilt and sectionalized under B21118 (with an RIS of 11/2007) and B21119 (with an RIS of 11/2009).	Scheduled for	11/30/2007	Rebuilding and sectionalizing the 66-02 line will increase reliability on the circuit by making the route more accessible. In addition, there will be less vegetation exposure following the rebuild of the line. This work will improve CAIDI and SAIDI.
	Expanded Operational Review. Voltage Profile Completed 7/24/2006.	EOR initiated	7/31/2006	
	5/3/2006: Install fault indicators	Scheduled for	12/1/2006	Additional fault indicators will decrease length of customer outages by allowing troublemen to determine where fault occurred more quickly
	Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
34	Circuit ID: 22002 BOHEMIA 20-02			CPI: 354
	Circuit outage data analysis.	Completed	6/15/2004	Major contributors to CPI were the number of cases and SAIFI. Blooming Grove- West Damascus 69kV tripped to lockout due to a crossarm failure which is not likely to recur. Other CPI contributors were tree related (not trimming related, the line was trimmed in 2000) outages during bad weather and equipment failures but there was no discernable pattern for these events. A failure of the line CB also contributed to CPI. The CB was inspected and repairs were made as needed.
	Circuit outage data analysis.	Completed	8/25/2004	A pattern of tree related outages was discovered on a long single phase tap.
	Tree trimming. Hot Spot trimming for a poor performing single phase tap identified in Q2 circuit analysis.	Completed	12/31/2004	Reduced outage risk.
	Improve sectionalizing capability. Field engineer to review sectionalizing on newly identified poor performing single phase tap.	Completed	12/31/2004	This portion of the circuit is already sectionalized in excess of PPL requirements. Further addition of fusing or other protective devices may risk increasing customers outages through nuisance blowing/tripping.
	7/13/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2005	Over 70% of the customer outages were vegetation related. Trimming was completed on the line in 2000 and hotspotted was done in 2005. Vegetation issues occurred during adverse weather conditions.
	Install fuse(s). WR# 225454; WR# 226162; WR# 231128; Install three fuses at 74024N48848	Completed	8/31/2005	Sectionalizing completed to reduce customer count affected by each outage.
	11/23/2005: Tree trimming. Hot spotting various locations as needed	Completed	8/30/2005	Reduced outage risk.
	2/21/2006: Install 3 phase OCR(s).	Scheduled for	12/1/2006	Additional sectionalizing will reduce the number of customers experiencing an outage
	5/31/2006: Tree trimming. Hot spotting will be done on a portion of line	Scheduled for	12/31/2006	Hot spotting will reduce the number of outages due to trees by reducing exposure
	Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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35 Circuit ID: 20403 ASHFIELD 04-03

CPI: 352

Section of line being transferred to adjacent line.	Completed	1/31/2006	Reduced customer count affected by each outage.
Load balancing. Transferred 1,241 customers from Ashfield 04-3 line to 04-2 line in order to more equitably balance load between feeders. WR 244373 (Tap Transfer) and WR 260692 (C-Tag Pole Replacement).	Completed	2/9/2006	Reduced outage risk.
1/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2006	Single phase loop burned open, and line had to be dropped to repair.
Improve voltage level. WR 294596 Install 3 Single Phase Voltage Regulators.	Completed	6/22/2006	Reduced outage risk.
Install 1 phase OCR(s). WR 270419 upgrade Dorset Tap OCR's.	Scheduled for	8/31/2006	Reduced customer count affected by each outage.
7/5/2006: Reconductor line. WR 229908 Reconductor 1.4 miles of line - convert Kepner Tap from single phase to three phase.	Completed	7/7/2006	Reduced outage risk.
7/5/2006: Expanded Operational Review.	EOR initiated	9/30/2006	

36 Circuit ID: 17802 GILBERT 78-02

CPI: 347

Circuit outage data analysis.	Completed	6/23/2004	Major contributor to CPI was the number of cases. Although the line was trimmed in 2000, there were several trimming related outages.
Tree trimming. A work request has been initiated for line segments identified for hot spot trimming	Completed	9/30/2004	Reduced outage risk.
A work request was initiated to add series fusing to decrease customer outages on a poor performing section of line. This work is to be completed by October 2004.	Completed	9/30/2004	Reduced customer count affected by each outage.
A detailed analysis of sectionalizing will be completed on this line. A review of the existing protection and potential device additions will be performed.	Completed	9/30/2004	
7/13/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2005	
Install fuse(s). WR# 221771; WR# 224357; WR#228964 for sectionalizing device.	Completed	6/30/2006	Reduced customer count affected by each outage. Work identified under SAIDI effort to reduce customer minutes lost.
Tree trimming.	Completed	6/30/2006	Reduced outage risk.
11/22/2005: Field Engineer will review locations for additional OCR's	Scheduled for	11/30/2006	Reduced outage duration. Field review in progress and expected completion in November, 2006
2/16/2006: Install LBAS(s). One LBAS is scheduled to be installed by 11/30/06.	Scheduled for	12/1/2006	Installing additional sectionalizing devices will reduce the number of customer experiencing an outage.
Evaluate potential ties. Review in progress and will be completed the end of 2006.	Scheduled for	12/31/2006	Reduced outage duration.
Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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37 Circuit ID: 46301 ROHRSBURG 63-01

CPI: 344

	Circuit outage data analysis.	Completed	12/30/2004	The Rohrsburg 63-1 line was reported as having a high CPI during the 1st and 2nd quarter of 2004. However, significant customers experiencing outages, of short or long durations, did not occur on 63-1 during the first or second quarters of 2004. There were a few isolated incidences, for example, one customer on 6/17/2004 experienced a 11 hr. outage due to trees tearing his secondary.
	10/24/2004: Improve sectionalizing capability. Review line to determine if additional sectionalizing can be added to minimize the number of customers affected by emergency outages.	Completed	12/31/2004	The line was reviewed for sectionalizing in 2004, and no locations were identified for additional sectionalizing devices.
	10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/2/2005	Major contributions to the CPI were due to SAIFI and the number of trouble cases. A big storm on July 14, 2005 caused long duration outages in the third quarter of 2005.
	11/2/2005: Tree trimming.	Completed	12/31/2005	The line is 75 miles long, and it is all rural. The line was last trimmed in 2002, and is scheduled to be trimmed next in 2008. The forester crew performed hotspot trimming on this line by the end of December, 2005.
	11/2/2005: Perform line maintenance identified by line inspection.	Completed	12/31/2005	A line inspection was performed in September 2005. Seven WR's were written and scheduled in 2005. All work requests were completed in 2005. The work identified and completed includes replacing transformers, transformer fused-cutouts, lightning arrestors, dead-end insulators, etc.
	Install fuse(s).	Completed	9/30/2005	The line was reviewed for fusing in September, 2005. No locations were identified for additional fusing.
	2/9/2006: Circuit outage data analysis.	Completed	2/9/2006	No major outages in Q4, 2005 on this circuit. The number of outages were reduced significantly from the Q3, 2005.
	11/2/2005: Monitor future performance.	Ongoing		In progress work is expected to improve this circuit's performance. PPL will continue to monitor the circuit's performance.

38 Circuit ID: 27503 WEISSPORT 75-03

CPI: 340

	10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2005	High number of cases and moderately high CAIDI main causes.
	4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2006	Inconclusive. Monitor future performance. High cases contribute 45% of high CPI. Two of past 3 quarters contribute only a third of the CPI that Q3 2005 contributes. Continued monitoring should see this circuit fall off the list, pending major outages.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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39 Circuit ID: 18501 CANADENSIS 85-01

CPI: 337

Line inspection-vegetation. Forester will schedule a vegetation line inspection on the main three phase circuit and perform hotspot trimming as required.	Completed	6/30/2005		
4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list. Analysis is underway.	Scheduled for	9/30/2006		
Expanded Operational Review. Perform Voltage Profile. Review circuit for possible LBAS installation. Voltage Profile to be completed by 8/15/2006.	EOR initiated	12/31/2006		
Installed LBAS at 68260N38085 and 68339N38829.	Completed	6/30/2006		Reduced outage duration.
Evaluate potential ties. Two possible location have been identified to transfer approximately 3 MVA between the Mount Pocono 64-02 and Canadensis 85-01 lines. Further evaluation is underway. Expected decision on plan of action by the 4th quarter of 2006.	Scheduled for	12/31/2006		Reduced customer count affected by each outage.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
40	Circuit ID: 16802 WAGNERS 68-02			CPI: 334
	Circuit outage data analysis.	Completed	6/23/2004	Major contributor to CPI was the number of cases. There was no conclusive pattern to the outages.
	Tree trimming. Spot trimming.	Completed	12/31/2004	Reduced outage risk. Will continue to monitor this circuit to determine if trimming was successful.
	1/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2006	The majority of the outages were due to non-trimming related vegetation issues. There were also some outages due to vehicle contact and equipment failure. Increasing sectionalizing on the line should mitigate the effect of potential outages
	2/16/2006: Install LBAS(s).	Scheduled for	12/1/2006	Install new LBAS will increase sectionalizing resulting in fewer customer minutes lost in the event of an outage. Two LBAS will be installed as part of the sectionalizing improvement study.
	Expanded Operational Review. Perform Voltage Profile. Review circuit for possible LBAS installations.	Completed	6/29/2006	Line profile showed a need to balance phases and a possible low voltage. May need to install some capacitance. Transferred 3 single phase taps to balance load. Installed LBASs at 60344N35216 and 59801N34713.
	Transferred 3 single phase taps to balance load.	Completed	6/29/2006	Reduced outage risk.
	Installed LBASs at 60344N35216 and 59801N34713.	Completed	6/29/2006	Reduced outage duration.
	Tree trimming-selected line segments only (hot spots).	Scheduled for	12/31/2006	Reduced outage risk.
	Improve sectionalizing capability. Two switches will be installed by the third quarter of 2006.	Scheduled for	9/30/2006	Reduced outage duration.
	Evaluate potential ties.	Scheduled for	12/31/2006	Reduced customer count affected by each outage. Under investigation and will be completed in December, 2006.
	Expanded Operational Review. Recommended voltage support: Install 100KVAR on phase B at existing capacitor grid # 58581 N 35688 (North-West on SR115) Install 100KVAR on phase A,B, & C in grid block 592N337 (South -West on SR115 near White Haven area) Settings ON 114 -- OFF 126 Install 100KVAR on phase C at existing capacitor grid # 60426 N 33357 (Way South on SR115) Install 100KVAR on phase A at existing capacitor grid # 59394 N 34833	Scheduled for	12/31/2006	
	Expanded Operational Review. Summer Thermography	Completed	7/26/2006	Reduced outage risk.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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41 Circuit ID: 14403 SO SLATINGTON 44-03

CPI: 333

Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	11/30/2004		
OCR Review	Completed	12/23/2004	An undersized OCR has been replaced with one more capable of handling load issues. This should drive down outage duration for the effected customers.	
Tree trimming. This circuit has been added to the list for trimming next year (2006).	Scheduled for	9/30/2006	Reduced outage risk. Trimming of the entire circuit began on 5/30/06.	
Load balancing.	Completed	6/15/2005	Reduced outage risk.	
Several OCRs on circuit are being upgraded due to load and additional sectionalizing also in progress.	Completed	6/28/2005	Reduced customer count affected by each outage.	
Install Fault Indicators.	Scheduled for	8/31/2006	Reduced outage duration.	
7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006		

42 Circuit ID: 16401 MOUNT POCONO 64-01

CPI: 330

The line was thermo-visioned and repairs were made as needed.	Completed	3/31/2004	Reduced outage risk.	
Circuit outage data analysis.	Completed	6/23/2004	Major contributor to CPI was SAIFI. Failure of 64-05 contributed to problems. The line was recently thermo-visioned and repairs were made as needed.	
Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2005		
Perform line maintenance identified by line inspection. WR 205426 was initiated to complete maintenance items found during the inspection.	Completed	5/13/2005		
The entire main line will be reconducted under B50921.	Completed	5/31/2005	The main three phase has been rebuilt with 477 AL XLP conductor.	
Line inspection-equipment. A portion of the line along Rt 314 (three phase branch off main line) will be inspected.	Completed	5/31/2005	Equipment failure with galloping conductor contributed to the CPI. This portion of the line had maintenance work completed in January 2005 to fix that galloping conductor. This line maintenance was completed to ensure no other conductor problems were present on the line.	
11/15/2005: Tree trimming.	Completed	6/30/2005	A portion of the line was trimmed. Entire line due to be trimmed in 2008	
11/22/2005: Coordination Study of devices of the line	Completed	11/30/2005	The results of the coordination study were normal. All devices are coordinating properly.	
Continue to monitor future performance.	Ongoing			

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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43 Circuit ID: 40502 CRESSONA 05-02

CPI: 329

Constructed a tie and permanently transferred a problem section to another circuit with better performance.	Completed	7/15/2003	Reduced outage risk.
Transferred inaccessible portion of circuit to another tap.	Completed	12/31/2003	Reduced outage risk.
Eliminated inaccessible tap.	Completed	12/31/2003	Reduced outage risk.
Circuit outage data analysis.	Completed	6/30/2004	Main contributors were cases of trouble (various causes) and SAIFI.
7/13/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2005	
Tree trimming.	Completed	8/31/2005	Reduced outage risk.
11/21/2005: Line inspection-equipment.	Completed	6/30/2006	Reduced outage risk. WR # 265791 Line inspection to be completed by a modified duty lineman. Reduce risk to future equipment related outages.
2/23/2006: Expanded Operational Review.	In progress	2/23/2006	Reliability review completed 2/23/06 Investigate reconductoring the Auburn #1 tie from Auburn West along SR 895. Investigate relocating the Deirberts Valley tap. Line inspection to identify reliability issues to be conducted by modified duty lineman.
Line inspection-equipment.	Completed	5/23/2006	WR 294523 Inspect antherlite brackets and post insulators.
Perform line maintenance identified by line inspection. WR # 299128 to correct 47 minor maintenance repair items.	In progress		Reduced outage risk.
Perform line maintenance identified by line inspection. WR #299129 to perform 98 minor maintenance repair items.	In progress		Reduced outage risk.
Perform line maintenance identified by line inspection. WR 295935 and WR 309985 . Replace anderlite brackets.	Scheduled for	9/1/2006	Reduced outage risk.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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44 Circuit ID: 26002 WEST DAMASCUS 60-02

CPI: 327

Circuit outage data analysis.	Completed	6/15/2004	Major contributors to CPI were the number of cases and SAIFI. Blooming Grove- West Damascus 69kV tripped to lockout which significantly affected SAIFI. There were many tree related outages both trimming and non-trimming related and equipment failures.
Tree trimming. The line was last trimmed in 2000. Areas of the line were identified for hotspot trimming. The forester will complete the work.	Completed	12/31/2004	Reduced outage risk.
Improve sectionalizing capability. The field engineer will review and increase sectionalizing on two poor performing single phase taps.	Completed	12/31/2004	This portion of the circuit is already sectionalized in excess of PPL requirements. Further addition of fusing or other protective devices may risk increasing customers outages through nuisance blowing/tripping.
Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	6/6/2005	
Field engineer identified additional tap fusing, which will be installed as soon as possible.	Completed	10/30/2005	Additional fuses installed to reduce number of customers experiencing outages.
Line inspection-equipment.	Completed	10/30/2005	Results sent to field engineer to complete necessary work.
Relocate inaccessible line.	Scheduled for	9/30/2006	A reliability preservation project (WR 212877) has been approved and will rearrange a poor performing tap; remove an inaccessible part of the line, split up customers among several taps, and add additional sectionalizing.
11/23/2005: Tree trimming.	Completed	5/31/2006	Trimming trees will reduce outages by reducing exposure
Monitor future performance.	Ongoing		
5/25/2006: Expanded Operational Review.	EOR initiated	9/30/2006	

45 Circuit ID: 46602 LARRYS CREEK 66-02

CPI: 326

Circuit outage data analysis. Area planning will review feasibility of constructing single phase ties with other single phase taps, in order to reduce outage time during emergencies on single phase taps.	Completed	12/31/2004	The High CPI was due partially to a vehicle accident 8/03 pole hit, and local area - high winds 11/03 causing trees to fall into line.
10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/2/2005	The major contribution to the CPI was the number of cases (60% of total CPI). Major outages occurred in the third quarter of 2005 due to trees-not trimming related and a vehicle hit.
Tree trimming.	Completed	12/31/2004	The line is approximately 92 miles rural. The line was last trimmed in 2004.
11/2/2005: Improve sectionalizing capability.	Completed	12/31/2005	The circuit was reviewed for additional fusing. All appropriate single phase taps were fused, and no additional sectionalizing devices were required on the three phase section.
11/2/2005: Monitor future performance.	Ongoing		PPL will continue to monitor the circuit's performance in the future.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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46 Circuit ID: 17902 BARTONSVILLE 79-02

CPI: 324

Expanded Operational Review. Perform Voltage Profile Review circuit for possible LBAS installation.	Completed	7/26/2006	No additional LBAS's are needed.
Thermographic inspection-OH line.	Completed	7/26/2006	Reduced outage risk.
Expanded Operational Review. Voltage profile.	Completed	3/17/2006	Voltage Profile completed 3/17/2006: There is a need to move amps from the C phase to the A and B phase. However, there are no C phase taps small enough to be rephrased to solve the problem. When new taps are made, they should be put on the C phase to help balance the amps per phase.

47 Circuit ID: 10701 CATASAUQUA 07-01

CPI: 321

7/11/2006: Circuit outage data analysis - WPC not on preceding ctr. list.	Scheduled for	8/31/2006	
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<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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48 Circuit ID: 12301 LANARK 23-01

CPI: 317

	Load balancing.	Completed	12/31/2003	Reduced outage duration.
	Circuit outage data analysis.	Completed	6/15/2004	The number of cases is 67% of the CPI. Two areas have numerous squirrel outages.
	Tree trimming.	Completed	9/1/2004	Reduced outage risk.
	Replace an overloaded 3 phase OCR and replace a hydraulic OCR with an electronic OCR with telemetrics.	Completed	9/14/2004	Reduced outage duration. The overload OCR was replaced on 9/7/2004 and the electronic OCR was installed on 5/10/2004.
	Line inspection-equipment.	Completed	3/28/2005	
	64 Animal guards are being installed on transformers on portions of the line with animal problems.	Completed	6/20/2005	Reduced outage risk.
	Single phase fuse installations.	Completed	6/20/2005	Reduced customer count affected by each outage.
	OCR settings were changed to reduce momentary interruptions.	Completed	6/20/2005	Reduced outage duration.
	Tree trimming.	Completed	9/30/2005	Reduced outage risk. Hot spotting started in July.
	Split up a long single phase tap into two taps by installing 3 spans of OH line.	Completed	10/4/2005	Reduced customer count affected by each outage. Construction completed.
	Install Fault Indicators	Completed	2/17/2006	Reduced outage duration.
	Install 3 switches in southern part of circuit. Fault indicators to be installed next to the new switches. Two of the 3 switches were installed (6/9/06) and were used during the windstorm over the weekend of January 15, 2006 to get customers back in service while repairs were being made. The third switch was installed in June after right-of-way issues were resolved. The fault indicators have been installed.	Scheduled for	9/30/2006	Reduced outage duration.
	Tree trimming.	Scheduled for	9/30/2006	Reduced outage risk.
	Install Fault Indicators.	Scheduled for	8/31/2006	Reduced outage duration.
	Monitor future performance.	Ongoing		All of the above work is expected to improve the circuit's performance.

49 Circuit ID: 16405 MOUNT POCONO 64-05

CPI: 316

	Circuit outage data analysis.	Completed	6/23/2004	Major contributor to CPI was SAIFI. A failure of the line CB was a major factor for SAIFI and the CB problems have been repaired. The line was hotspotted in early 2004. No further action required.
	10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/22/2005	A vehicle hit was the cause of three different device operations. It also caused significant customer outages. This is not expected to occur again.
	4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	12/31/2006	
	Line inspection-equipment.	Scheduled for	9/30/2006	Reduced outage duration.
	11/22/2005: Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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50 Circuit ID: 13102 NORTHAMPTON 31-02

CPI: 311

Load balancing.	Completed	10/31/2003	Reduced outage risk.
Circuit outage data analysis.	Completed	6/15/2004	Number of cases is 55% of the CPI with SAIFI a close second. Two OCR failures in 2003 were a major factor in the SAIFI.
An overloaded single phase OCR is being replaced with a larger OCR.	Scheduled for	12/19/2004	
Electronic OCR should be received and installed in the second quarter of 06. Delay in receiving the new OCR has caused the installation date to be delayed. Additional receiving issues have caused this OCR to be re-ordered, and it will be installed at the earliest availability.	Scheduled for	6/30/2006	
4/3/2006: Expanded Operational Review.	EOR planned	12/31/2006	
4/10/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2006	Trees and animals are the primary causes of outages on this circuit.
Improve sectionalizing capability. Installing 2 new LBAS to improve performance of line with cold load pickup. Installing fault indicators at both LBAS to help in reducing customer outage minutes.	Scheduled for	12/31/2006	Reduced outage duration.
Monitor future performance of line.	Ongoing		

51 Circuit ID: 45102 CASS 51-02

CPI: 309

7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	
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<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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52 Circuit ID: 53501 ELIZABETHVILLE 35-01

CPI: 308

Tree trimming. The entire circuit was trimmed.	Completed	11/29/2003	Reduced outage risk.
Ten tap fuses were installed.	Completed	12/31/2003	Reduced customer count affected by each outage.
Circuit outage data analysis.	Completed	6/25/2004	80% of CPI for this circuit is due to number of cases.
10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	10/31/2005	On 7/23/05 UG cable failed interrupting feeder. Cable repaired and service restored. Cable to be replaced in 2nd Q '06.
2/14/2006: Circuit outage data analysis.	Completed	2/14/2006	Inconclusive. Monitor future performance. Vehicle pole hit interrupted 1179 customers for one hour in December, placing this ckt on the WPC list. Not controllable/ not expected to re-occur.
Expanded Operational Review. Voltage profile and outage history analysis	Completed	4/24/2006	Voltage profile showed need for additional 150kvar (1-ph) in SW of circuit for voltage support. Two unfused taps to be field-checked by tech. One new OCR location to be checked by SE. Line to be patrolled by LMI again.
Install fuse(s). Check unfused tap near 26740s43694	Scheduled for	8/30/2006	Reduced customer count affected by each outage.
Install 1 phase OCR(s). SE to check tap at 26960s41960	Scheduled for	8/30/2006	Reduced customer count affected by each outage.
7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	
2/14/2006: Monitor future performance.	Ongoing		

53 Circuit ID: 41901 REED 19-01

CPI: 308

1/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2006	High SAIFI is the major contribution to CPI. Low cases and high SAIFI indicates poor sectionalizing.
2/23/2006: Expanded Operational Review.	In progress	2/23/2006	Reliability review completed 2/23/06 Improved sectionalizing is necessary. Identified a need to install sectionalizer outside substation heading West, and investigate new location for the Reed #1 Sectionalizing OCR.
Install sectionalizers. WR # 285012 Install three phase sectionalizer outside sub heading West.	Scheduled for	8/31/2006	Reduced outage duration.
Install 3 phase OCR(s). WR # 298037 Install new three phase OCR along three phase tap at Short Road. Pole 31009N25857.	Scheduled for	8/31/2006	Reduced customer count affected by each outage.
Install 3 phase OCR(s). Relocate Reed #1 sectionalizing OCR along Freidline Road to pole 30951N25829.	Scheduled for	8/31/2006	Reduced customer count affected by each outage.
7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	

54 Circuit ID: 41002 LAURELTON 10-02

CPI: 307

7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2006	
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- (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.*

The following table shows a breakdown of service interruption causes for the 12 months ended at the current quarter. The top three causes (Equipment Failure, Animals and Trees – Not Trimming Related), based on the percent of cases, are highlighted in the table. Service interruption definitions are provided in Appendix B. PPL Electric’s maintenance programs focus on corrective actions to address controllable interruptions (e.g., trees and equipment failure).

Cause Description	Trouble Cases ⁶	Percent of Trouble Cases	Customer Interruptions ⁷	Percent of Customer Interruptions	Customer Minutes	Percent of Customer Minutes
Improper Design	3	0.01%	4	0.00%	441	0.0%
Improper Installation	0	0.00%	0	0.00%	0	0.0%
Improper Operation	0	0.00%	0	0.00%	0	0.0%
Trees - Inadequate Trimming	1,534	6.63%	126,351	7.97%	23,606,172	10.5%
Trees - Not Trimming Related	4,220	18.23%	372,532	23.51%	88,098,110	39.2%
Animals	5,936	25.64%	102,404	6.46%	9,111,438	4.0%
Vehicles	810	3.50%	145,434	9.18%	16,471,510	7.3%
Contact/Dig-in	214	0.92%	33,459	2.11%	2,484,391	1.1%
Equipment Failure	5,742	24.80%	500,968	31.61%	52,030,052	23.1%
Forced Prearranged	664	2.87%	56,696	3.58%	4,862,067	2.2%
Other - Controllable	270	1.17%	18,559	1.17%	1,870,513	0.8%
Nothing Found	2,332	10.07%	112,622	7.11%	12,375,794	5.5%
Other - Public	99	0.43%	9,753	0.62%	1,097,720	0.5%
Other - Non-Controllable	1,328	5.74%	106,081	6.69%	13,009,938	5.8%
Total	23,152	100.00%	1,584,863	100.00%	225,018,146	100.0%

⁶ Trouble cases are the number of sustained customer service interruptions (i.e., service outages).

⁷ The data reflects the number of customers interrupted for each interruption event summed for all events, also known as customer interruptions. If a customer is affected by three separate cases of trouble, that customer represents three customer interruptions, but only one customer interrupted.

Analysis of causes contributing to the majority of service interruptions:

Weather Conditions: PPL Electric records weather conditions, such as wind or lightning, as contributing factors to service interruptions, but does not code them as direct interruption causes. Therefore, some fluctuations in cause categories, especially tree- and equipment-related causes, are attributable to weather variations.

Trees – Inadequate Trimming: In 2004, PPL Electric adopted an improved tree-trimming specification and shortened maintenance trimming cycles to reverse a gradual increase in service interruptions attributed to inadequate trimming. The shortened cycle times took effect on January 1, 2005. PPL Electric implemented the revised specification in the first quarter of 2005. PPL Electric is monitoring the effectiveness of these changes.

Trees – Not Trimming Related: Although their effect on reliability is significant, tree outages not related to trimming are caused by trees falling from outside of PPL Electric's rights-of-way, and generally are not controllable.

Animals: Animals account for about 26% of PPL Electric's cases of trouble. Although this represents a significant number of cases, the effect on SAIFI and CAIDI is small because nearly 92% of the number of cases of trouble is associated with individual distribution transformers. However, when animal contacts affect substation equipment, the effect is widespread and potentially can interrupt thousands of customers on multiple circuits. PPL Electric installs squirrel guards on new installations and in any existing location that has been affected by multiple animal-related interruptions.

Vehicles: Although vehicles cause a small percentage of the number of cases of trouble, they account for a large percentage of customer interruptions and customer minutes, because main distribution lines generally are located along major thoroughfares with higher traffic densities. In addition, vehicle-related cases often result in extended repair times to replace broken poles. Service interruptions due to vehicles are on the rise as a result of an increasing number of drivers and vehicles on the road. PPL Electric has a program to identify and relocate poles that are subject to multiple vehicle hits.

Equipment Failure: Equipment failure is one of the largest single contributors to the number of cases of trouble, customer interruptions and customer minutes. However, approximately 38% of the cases of trouble, 38% of the customer interruptions and 42% of the customer minutes attributed to equipment failure are weather-related and, as such, are not considered to be indicators of equipment condition or performance.

Nothing Found: This description is recorded when the responding crew can find no cause for the interruption. That is, when there is no evidence of equipment failure, damage, or contact after a line patrol is completed. For example, during heavy thunderstorms, when a line fuse blows or a single-phase OCR locks open and when closed for test, the fuse holds, or the OCR remains closed, and a patrol reveals nothing.

(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.)*

Inspection & Maintenance Goals/Objectives	Annual Budget	2 nd Quarter		Year-to-date	
		Budget	Actual	Budget	Actual
Transmission					
Transmission C-tag poles (# of poles)	240	55	93	115	132
Transmission arm replacements (# of sets)	1,200	333	373	542	584
Transmission lightning arrester installations (# of sets)	24	6	11	9	18
Foot patrols (# of miles)	1,350	809	437	1,350	1,121
Transmission air break switch inspections (# of)	60	18	27	30	32
Transmission tree trimming (# of linear feet)	408,929	108,929	151,542	228,929	219,312
Transmission herbicide (# of acres)	5,002	1,400	1,215	1,700	1,493
Substation					
Substation batteries (# of activities)	833	125	112	731	796
Circuit breakers (# of activities)	3,195	1,069	857	1,778	1,718
Substation inspections (# of activities)	3,439	826	822	1,799	1,875
Transformer maintenance (# of activities)	2,109	644	584	1,290	1,150
Distribution					
Distribution C-tag poles replaced (# of poles)	2,232	565	1,022	1,206	1,579
C-truss distribution poles (# of poles)	384	121	324	121	340
Capacitor (MVAR added)	80	33	21	61	55
OCR replacements (# of)	510	166	173	389	469
Oil Switch replacements (# of)	60	14	17	28	35
Distribution air break switch inspections (# of)	258	64	127	129	160
Distribution pole inspections (# of poles)	79,831	29,937	42,183	29,937	43,079
Distribution line inspections (# of miles)	3,000	750	565	1,500	2,548
Group relamping (# of lamps)	18,500	4,625	3,863	9,250	9,163
Test sections of underground distribution cable	800	200	275	400	462
Distribution tree trimming (# of miles)	4,667	1,375	1,277	3,075	2,759
Distribution herbicide (# of acres)	1,325	310	61	400	153
LTN manhole inspections (# of)	407	129	20	209	188
LTN vault inspections (# of)	594	167	138	297	282
LTN network protector overhauls (# of)	82	24	16	55	30
LTN reverse power trip testing (# of)	108	27	22	54	39

- (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.)*

The following table provides the operation and maintenance expenses for PPL Electric, as a whole, which includes the work identified in response to Item (6).

Activity	2 nd Quarter		Year-to-date	
	Budget (\$1,000s)	Actual (\$1,000s)	Budget (\$1,000s)	Actual (\$1,000s)
Provide Electric Service	3,210	3,489	6,291	7,014
Vegetation Management	5,359	4,135	8,896	8,245
Customer Response	11,425	13,607	24,069	28,718
Reliability & Maintenance	15,830	16,847	30,445	30,682
System Upgrade	1,936	1,227	3,952	2,550
Customer Services/Accounts	18,346	18,040	36,234	35,314
Other	27,062	33,405	54,798	58,885
Total O&M Expenses	83,168	90,750	164,685	171,408

- (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.)*

The following table provides the capital expenditures for PPL Electric, as a whole, which includes transmission and distribution ("T&D") activities.

	2 nd Quarter		Year-to-date	
	Budget (\$1,000s)	Actual (\$1,000s)	Budget (\$1,000s)	Actual (\$1,000s)
New Service/Revenue	21,100	22,007	41,242	43,686
System Upgrade	16,344	10,331	31,017	16,031
Reliability & Maintenance	11,369	15,884	21,562	26,975
Customer Response	536	327	1,119	1,686
Other	2,190	1,251	4,381	2,528
Total	51,540	49,800	99,321	90,906

- (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).*

The following table shows the dedicated staffing levels as of the end of the quarter. Job descriptions are provided in Appendix C.

Transmission and Distribution (T&D)	
Lineman Leader	83
Journeyman Lineman	163
Lineman	83
Helper	114
Troubleman	40
T&D Total	483
Electrical	
Leaders	46
Journeyman	96
Electricians	56
Helpers	51
Electrical Total	249
Overall Total	732

***PPL Electric Utilities Corporation
Worst Performing Circuit Definition***

PPL Electric uses a Circuit Performance Index (CPI) to define the worst performing circuits on its system. The CPI covers over 1,000 feeders across the PPL Electric service area.

The CPI is derived using the following statistics and weighting factors:

- Cases of Trouble⁸ - 33%
- CAIDI - 30%
- SAIFI - 37%

Major Events, momentary interruptions, and planned prearranged jobs are excluded.

The CPI values are obtained by multiplying the individual feeder statistics by coefficients based on the 5-year period, 1996-2000. Average values over this period were:

- Cases of Trouble - 16.6 per feeder per year
- CAIDI - 140 minutes
- SAIFI - 0.834 per customer per year

A hypothetical feeder with Cases of Trouble, CAIDI, and SAIFI values equal to the 5-year averages would have a CPI value of 100. Any variations in the values of Cases of Trouble, CAIDI, or SAIFI would affect the CPI values in accordance with the weighting factors.

⁸ Cases of trouble are the number of sustained customer service interruptions.

Appendix B

PPL Electric Utilities Corporation Service Interruption Definitions

Trouble Definitions: After field investigations and repairs are complete, PPL Electric linemen report the cause of each case of trouble. This information is electronically recorded as a “cause code” number when the job record is closed. PPL Electric cause codes are subdivided into three general classifications: Controllable, Non-Controllable and Public. The definitions of the cause codes are:

10 – Improper Design	Controllable	<ul style="list-style-type: none">• When an employee or agent of PPL Electric is responsible for an error of commission or omission in the engineering or design of the distribution system. (Facility Records personnel use only)
11 – Improper Installation	Controllable	<ul style="list-style-type: none">• When an employee or agent of PPL Electric is responsible for an error of commission or omission in the construction or installation of the distribution system. (Facility Records personnel use only)
12 – Improper Operation	Controllable	<ul style="list-style-type: none">• When an employee or agent of PPL Electric is responsible for an error of commission or omission in the operation or maintenance of the distribution system. (Facility Records personnel use only)
30 – Trees – Inadequate Trimming	Controllable	<ul style="list-style-type: none">• Outages resulting from the lack of adequate tree trimming (within the Right of Way).
35 – Trees – Not Trim Related	Non-Controllable	<ul style="list-style-type: none">• Outages due to trees, but not related to lack of or proper maintenance tree trimming. This includes trees falling into PPL Electric facilities from outside the right-of-way, danger timber blown into facilities, and trees or limbs cut or felled into facilities by a non-employee.
40 – Animals	Controllable	<ul style="list-style-type: none">• Any outage caused by an animal directly or indirectly coming in contact with PPL Electric facilities. This includes birds, squirrels, raccoons, snakes, cows, etc.
41 – Vehicles	Public	<ul style="list-style-type: none">• When cars, trucks or other types of vehicles or their cargoes strike facilities causing an interruption.
51 – Contact/Dig-in	Public	<ul style="list-style-type: none">• When work in the vicinity of energized overhead facilities results in interruptions due to accidental contact by cranes, shovels, TV antennas, construction equipment (lumber, siding, ladders, scaffolding, roofing, etc.).• When contact is made by a non-employee with an underground facility causing interruption.

Appendix B

60 – Equipment Failure	Controllable	<ul style="list-style-type: none"> • Outages resulting from equipment failures caused by corrosion or contamination from build-up of materials, such as cement dust or other pollutants. • Outages resulting from a component wearing out due to age or exposure, including fuse tearing or breaking. • Outages resulting from a component or substance comprising a piece of equipment failing to perform its intended function. • Outages resulting from a failure that appears to be the result of a manufacturer’s defect or cannot be described by any other code indicating the specific type of failure.
80 – Scheduled Prearranged ⁹	Controllable	<ul style="list-style-type: none"> • Interruptions under the control of a PPL Electric switchman or direction of a PPL Electric System Operator for the purpose of performing <u>scheduled</u> maintenance, repairs, and capacity replacements for the safety of personnel and the protection of equipment. • Includes requests from customers for interruption of PPL Electric facilities.
85 – Forced Prearranged	Non-Controllable	<ul style="list-style-type: none"> • Interruptions under the control of a PPL Electric switchman or direction of a PPL Electric System Operator for the purpose of dropping load or isolating facilities upon request during emergency situations. • Interruptions which cannot be postponed or scheduled for a later time, and include situations like load curtailment during system emergencies, and requests of civil authorities such as fire departments, police departments, civil defense, etc. for interruption of PPL Electric facilities.

⁹ Interruptions under the control of a PPL Electric switchman or the direction of a PPL Electric System Operator for the purpose of isolating damaged facilities to make repairs are reported using the initial cause of the damage when the interruption is taken immediately, but are reported as scheduled prearranged when the interruption is postponed.

Appendix B

90 – Other – Controllable (Lineman provides explanation)	Controllable	<ul style="list-style-type: none"> • Interruptions caused by phase to phase or phase to neutral contacts, resulting from sleet or ice dropping off conductors, galloping conductors, or any other phase to phase or phase to neutral contact where weather is a factor. • Interruptions resulting from excessive load that cause that facility to fail. • When restoration of service to a facility, which had been interrupted for repairs or other reasons, causes an additional interruption to another facility which had not been involved in the initial interruptions.
96 – Nothing Found	Non-Controllable	<ul style="list-style-type: none"> • When no cause for the interruption can be found. • When there is no evidence of equipment failure, damage, or contact after line patrol is completed. This could be the case during a period of heavy T&L when a line fuse blows or a single phase OCR locks open. • When closed for test, the fuse holds or the OCR remains closed. A patrol of the tap reveals nothing.
98 – Other Public (Lineman provides explanation)	Public	<ul style="list-style-type: none"> • All outages resulting from gunfire, civil disorder, objects thrown, or any other act intentionally committed for the purpose of disrupting service or damaging company facilities.
99 – Other – Non-Controllable (Lineman provides explanation)	Non-Controllable	<ul style="list-style-type: none"> • Any outage occurring because of a fire, flood, or a situation that develops as a result of a fire or flood. Do not use when facilities are de-energized at the request of civil authorities. • When an interruption is caused by objects other than trees, such as kites, balls, model airplanes, roofing material, and fences, being accidentally blown or thrown into overhead facilities. • All interruptions caused by contact of energized equipment with facilities of other attached companies or by trouble on customer owned equipment.

Appendix C

***PPL Electric Utilities Corporation
Job Descriptions***

Transmission and Distribution

Helper	<ul style="list-style-type: none">• Performs manual labor at any work areas containing non-exposed energized electrical equipment.• This position can perform work requiring a limited degree of skill provided that the individual has demonstrated the ability.
Lineman	<ul style="list-style-type: none">• Works by himself or as part of a crew on the maintenance, operation, and construction activities of the transmission and distribution systems associated with but not limited to PPL Electric facilities.• This position can perform work requiring a moderate to high degree of skill provided the individual has demonstrated the ability.
Journeyman Lineman	<ul style="list-style-type: none">• Works by himself or as part of a crew on the maintenance, operation, and construction activities of the transmission and distribution systems associated with but not limited to PPL Electric facilities.• Under limited supervision, performs and is responsible for work involving the highest degree of skill provided the individual has demonstrated the ability.
Lineman Leader	<ul style="list-style-type: none">• Responsible for completing assigned work by directing one or multiple groups of employees involved in the maintenance, operation, and construction activities of the transmission and distribution systems associated with but not limited to PPL Electric facilities.• Engage in and perform work along with providing the necessary leadership, all-around knowledge, initiative, judgment, and experience to produce a quality job.• Performs all the direct duties of the Journeyman Lineman when not acting as a Lineman Leader.
Troubleman	<ul style="list-style-type: none">• Investigates and resolves trouble calls, voltage abnormalities on transmission and distribution systems associated with but not limited to PPL Electric facilities.

Appendix C

Electrical

Helper	<ul style="list-style-type: none">• Performs manual labor at any work areas containing non-exposed energized electrical equipment.• This position can perform work requiring a limited degree of skill provided that the individual has demonstrated the ability.
Electrician	<ul style="list-style-type: none">• Performs and is responsible for work of a moderate to high degree of skill in various types of construction and maintenance work associated with but not limited to PPL Electric facilities such as:<ul style="list-style-type: none">• Installation and repair work at substations, underground distribution, LTN, and underground transmission facilities.• Performs excavating, control wiring, installing of cable and conduit.• Uses standard electric test equipment to perform simple troubleshooting related to Field Services electrical work.
Journeyman Electrician	<ul style="list-style-type: none">• Under limited supervision, performs and is responsible for work involving the highest degree of skill in various types of construction and maintenance work associated with but not limited to PPL Electric facilities such as:<ul style="list-style-type: none">• Installation and repair work at substations, underground distribution, LTN, and underground transmission facilities.• Uses microprocessor based equipment for troubleshooting and revising relay logic and its control systems related to the Field Services electrical discipline.
Electrician Leader	<ul style="list-style-type: none">• Responsible for completing assigned work by directing one or multiple groups of employees involved in the construction and maintenance activities of the transmission and distribution systems associated with but not limited to PPL Electric facilities.• Engage in and perform work along with providing the necessary leadership, all-around knowledge, initiative, judgment, and experience to produce a quality job.• Performs all direct duties of the Journeyman Electrician when not acting as a leader.



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ORIGINAL

Orange and Rockland Utilities, Inc.
390 West Route 59
Spring Valley NY 10977-5300
www.oru.com

July 31, 2006

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JUL 31 2006

PENNSYLVANIA PUBLIC UTILITY COMMISSION
GENERAL COUNSEL

Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17105-3265

Attention: Secretary James J. McNulty

Re: Second Quarter 2006 Quarterly Report for Pike County Light and Power
PUC Docket No. L-00030161; Rulemaking Re Amending Electric
Service Reliability Regulations At 52 Pa. Code Chapter 57

Dear Secretary McNulty:

Pike County Light & Power Company ("Pike") hereby submits six copies of its Second Quarter 2006 quarterly report as set forth in the Pennsylvania Public Utility Commission's ("Commission, PUC") Docket No. L-00030161 adopted Rulemaking Re Amending Electric Service Reliability Regulations At 52 Pa. Code Chapter 57 ("Order"). As such, Pike's quarterly reporting requirements, as set forth in Section 57.195(e) (1) (2) and (5) of the Order, are enclosed.

Please contact me if you have any questions regarding this report or require any additional information.

Very truly yours,

Timothy T. Garvin
Manager - Performance & Operational Engineering
Pike County Light and Power
(Orange and Rockland Utilities, Inc.)

cc: Office of Consumer Advocate
Office of Small Business Advocate

Enclosures

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PUBLIC UTILITY COMMISSION
OF GEORGIA

Pike County Light and Power Company
(Orange and Rockland Utilities, Inc.)

Quarterly Reliability Report

Second Quarter
2006

§ 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.

**2nd Quarter 2006
Major Events**

Date	Time	Circuit	Cause	Duration	Customers Affected	Cust Min of Interruption
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**2nd Quarter 2006
Pre-Arranged Outages**

Date	Time	Circuit	Cause	Duration	Customers Affected	Cust Min of Interruption
2006/05/11	10:31:00	L07-06-34	Pre-Arranged	0 minutes	124	24,676
2006/06/28	18:10:00	104-01-13	Pre-Arranged	0 minutes	56	560

§ 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.

Interruption Data Rolling 12-Month Data

Year	Quarter	Customers Served Rolling 12 Mth	Number of Interruptions Rolling 12 Mth	Customers Affected Rolling 12 Mth	Customer Min of Interruptions Rolling 12 Mth
2005	3rd Qtr	4,372	85	7,551	841,980
2005	4th Qtr	4,386	90	8,123	885,329
2006	1st Qtr	4,404	92	8,276	905,440
2006	2nd Qtr	4,424	74	6,173	801,156

Performance Ratios Rolling 12-Month Data

	Frequency SAIFI	Restoration CAIDI (Min)	Duration SAIDI (Min)
Benchmark	.39	178	69
Rolling 12 Mth Standard	.53	240	127

Year	Qtr	Frequency SAIFI Rolling 12 Mth	Restoration CAIDI Rolling 12 Mth	Duration SAIDI Rolling 12 Mth
2005	3rd Qtr	1.73	112	193
2005	4th Qtr	1.85	109	202
2006	1st Qtr	1.88	109	206
2006	2nd Qtr	1.40	130	181

§ 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.

Second Quarter 2006
Cause Analysis
Rolling 12 Months Data
*Excludes Storms, Major Events, Pre-Arranged

Cause	Number of Interr.	Number of Interr.	Customers Affected	Customers Affected	Customer Min. Interr.	Customer Min. Interr.
	Rolling 12 Mth.	Rolling 12 Mth. (%)	Rolling 12 Mth.	Rolling 12 Mth. (%)	Rolling 12 Mth.	Rolling 12 Mth. (%)
Animal Contact	4	5.4%	241	3.9%	32,907	4.1%
Tree Contact	41	55.4%	2,920	47.3%	560,739	70.0%
Overload	2	2.7%	21	.3%	3,163	.4%
Work Error	1	1.4%	1,766	28.6%	10,596	1.3%
Equip. Failure	15	20.3%	930	15.1%	172,333	21.5%
Non-Comp Acc.	4	5.4%	174	2.8%	8,101	1.0%
Custmr Problem	0	.0%	0	.0%	0	.0%
Lightning	3	4.1%	4	.1%	1,472	.2%
Unknown-Other	4	5.4%	117	1.9%	11,845	1.5%
All Causes	74	100.0%	6,173	100.0%	801,156	100.0%



Robert R. Stoyko
Vice President - Electric Distribution

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July 31, 2006

JUL 31 2006

Mr. James J. McNulty, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

SENT VIA FEDERAL EXPRESS

RE: **Quarterly Electric System Reliability Report
12 Months Ending June 30, 2006**

Dear Secretary McNulty:

L-00030161

Pursuant to the Commission's Final Rulemaking Order addressing Electric Service Reliability Regulations (52 Pa. Code §§57.191 - 57.197) at Docket No. M-00991220, UGI Utilities, Inc. - Electric Division ("UGI") hereby files an original and six copies of its Quarterly System Reliability Report. This report contains SAIDI, SAIFI, and CAIDI results on a 12-month rolling basis for the period ending June 30, 2006 along with the raw data from the same period. Also included is a breakdown of outages by cause for the 12 months ending June 30, 2006. The actual statistics continue to be favorable to both the benchmark and standard adopted for UGI. However, severe storms in late June, 2006 and to a lesser extent, in late May, 2006 resulted in an increase in the SAIDI and SAIFI indices.

Copies of this filing have been served upon the Office of Consumer Advocate, the Office of Small Business Advocate, and the Bureau of Audits.

Questions related to the attached report should be directed to Ms. Abigail J. Hemmerich at (610) 796-3431 or email ahemmerich@ugi.com.

Kindly acknowledge receipt of this filing by date stamping the enclosed copy of this letter and returning it in the enclosed stamped, self-addressed envelope.

Sincerely,

Robert R. Stoyko
Vice President - Electric Distribution
Attachment

DOCUMENT
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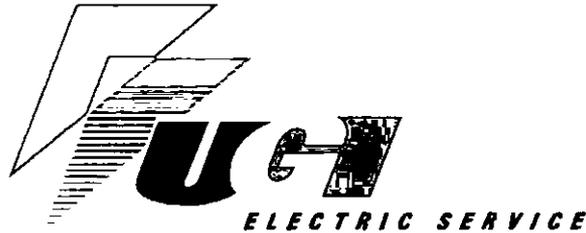
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cc: **FEDERAL EXPRESS**

Irwin A. Popowsky
Office of Consumer Advocate
555 Walnut St.
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Harrisburg, PA 17101-1921

William R. Lloyd
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Pennsylvania Public Utility Commission
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UGI Utilities, Inc. – Electric Division
System Reliability Report:
Quarterly Update

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

August 1, 2006

**UGI Utilities, Inc. – Electric Division
System Reliability Report**

§ 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.

No major events occurred during the preceding quarter.

§ 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.

The 12 month rolling reliability results for UGI’s service area are as follows:

	SAIFI	SAIDI	CAIDI
12-Month Standard	1.12	256	228
12-Month Benchmark	0.83	140	169
12 months Ended June, 2006	0.81	96	118

Note:

SAIFI – System Average Interruption Frequency Index
SAIDI – System Average Interruption Duration Index
CAIDI – Customer Average Interruption Duration Index

Raw Data: July 2005 - June 2006

Month	SI	TCI	TCB	TMCI
Jul-2005	62	4,681	61,720	837,628
Aug-2005	51	4,575	61,952	485,081
Sep-2005	37	2,926	61,743	308,140
Oct-2005	45	5,703	61,787	524,327
Nov-2005	63	6,240	61,827	717,080
Dec-2005	33	562	61,876	93,771
Jan-2006	55	4,232	61,946	664,701
Feb-2006	44	8,426	61,990	775,329
Mar-2006	19	589	61,952	31,327
Apr-2006	52	3,580	61,881	395,664
May-2006	61	1,797	61,834	340,322
Jun-2006	<u>83</u>	<u>6,969</u>	<u>61,842</u>	<u>746,175</u>
TOTAL	605	50,280	61,863	5,919,545

**UGI Utilities, Inc. – Electric Division
System Reliability Report**

SI: Sustained Interruptions
TCI: Total Customers Interrupted
TCB: Total Customer Base (12-month arithmetic average)
TMCI: Total Minutes Customer Interruption

Note: There were no major events excluded from the numbers used in calculating the indices.

SAIFI

The 12-month rolling SAIFI index increased 19% from 0.68 in our last quarterly report to 0.81 for the period ending June 2006.

Several heavy rain and lightning storms occurred in the last week of both May and June 2006, the latter of which dropped 13.5 inches of rain in Northeast Pennsylvania. The June rain storms lasted for four days and the Susquehanna River, along with other small creeks and streams, flooded causing severe highway erosion, bridge washouts and numerous fallen trees in the UGI service territory. As a result, power lines were downed and a number of distribution line poles were washed out. The effects of these storms resulted in significant increases to UGI's SAIFI and SAIDI indices. The second quarter of 2005 did not have a comparable number of weather-related outages. Additionally, UGI continues to experience a large number of failures of the A. B. Chance fuse cutout.

SAIDI

The SAIDI value for the 12 months ending June 2006 is 96. This result is 17% higher than the previous reporting period, but still tracking well below UGI's benchmark level of 140. SAIDI is the product of CAIDI and SAIFI. The 17% increase in SAIDI is driven entirely by the increase in the frequency of customer outages (SAIFI) for the reasons noted above. The duration of outage experienced by customer (CAIDI) actually declined by 2% as noted below.

CAIDI

The CAIDI result of 118 is 2% lower for the 12 month reporting period ending June 2006. UGI's 12-month rolling CAIDI index has consistently tracked below the benchmark level since the institution of this metric.

**UGI Utilities, Inc. – Electric Division
System Reliability Report**

§57.195(e)(5)–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 the 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.

Outage by Cause: July 2005 - June 2006

Cause	% of Total Incidents	Number of Interruptions	Customers Interrupted	Minutes Interrupted
Animal	11.07%	67	2,531	161,360
Company Agent	0.33%	2	60	1,144
Construction Error	0.50%	3	940	107,966
Customer Problem	1.32%	8	25	5,005
Equipment Failure	34.21%	207	12,543	1,133,018
Lightning	11.74%	71	7,308	1,014,604
Motor Vehicle	4.96%	30	3,732	458,962
Other	0.66%	4	4	327
Public	2.64%	16	4,231	223,457
Structure Fire	0.50%	3	58	4,967
Trees	23.64%	143	15,454	2,206,129
Unknown	3.80%	23	1,372	86,164
Weather/Ice	0.17%	1	7	1,890
Weather/Wind	<u>4.46%</u>	<u>27</u>	<u>2,015</u>	<u>514,552</u>
TOTAL	100.00%	605	50,280	5,919,545

Proposed Solutions to Identified Problems:

Thirty-four percent of the outages reported above resulted from equipment failure. A large portion of these equipment failures are attributed to a problem in a distribution-type fuse cutout utilized on the UGI system. As discussed in previous reports, UGI has implemented a replacement program to actively identify and replace these defective parts. The replacement work effort is ongoing.

L-00030161

WELLSBORO ELECTRIC COMPANY

QUARTERLY RELIABILITY REPORT 57.195 REPORTING REQUIREMENTS

Second Quarter 2006
April thru July 2006

ORIGINAL

SUBMITTED BY

ROBERT S. McCARTHY
VICE-PRESIDENT, ENGINEERING AND OPERATIONS
570-724-3516
bobbym@ctenterprises.org

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57.195 Reporting Requirements

Section (e) Item (2)

Rolling 12-Month reliability index Values (SAIFI,CAIDI,SAIDI) 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.

WELLSBORO ELECTRIC COMPANY

ROLLING TWELVE MONTH INTERRUPTION INDEXS

Second Quarter of 2006

SAIDI 149

SAIFI 1.48

CAIDI 101

ROLLING TWELVE MONTH STANDARD AS ESTABLISHED BY THE PUC

SAIDI 278

SAIFI 1.66

CAIDI 167

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Wellsboro Electric Company	Reliability Index	SAIDI
MONTH	TOTAL CUST MINUTES	# CUSTOMERS SERVED
July-05	52242.6	5883
August-05	40179.6	5899
September-05	367794.6	5894
October-05	21910.8	5886
November-05	18953.4	5889
December-05	3029.4	5903
Jan-06	46000.2	5905
Feb-06	23728.8	5895
Mar-06	26127.6	5906
April-06	50821.8	5912
May-06	154202.4	5911
June-06	37702.8	5915
	842694	70798
	Average # Customers Served	5899.833

Rolling 12 Month Average SAIDI Index

142.83353

WELLSBORO ELECTRIC COMPANY

Reliability Index

SAIFI

Month	# of Customers Interrupted	# of Cust Served
July-05	493	5883
August-05	644	5899
Sept-05	4117	5894
Oct-05	191	5886
Nov-05	204	5889
Dec-05	60	5903
Jan-06	528	5905
Feb-06	361	5895
Mar-06	396	5906
April-06	2108	5912
May-06	886	5911
June-06	787	5915
		70798
	10775	5899.8333 Avg # of Customers

SAIFI INDEX **1.826323**

Wellsboro Electric Company

Reliability Index CAIDI

Month Total Customer Mins # of Customers Interrupted

July-05	52242.6	493
August-05	40179.6	644
Sept-05	367794.6	4117
Oct-05	21910.8	191
Nov-05	18953.4	204
Dec-05	3029.4	60
Jan-06	46000.2	528
Feb-06	23728.8	361
March-06	26127.6	396
April-06	50821.8	2108
May-06	154202.4	886
June-06	37702.8	787

842694

10775

CAIDI INDEX

78.20826

57.195

Reporting Requirements

Section (e) Item (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.

Date	Time of Event	Duration of Event	# Cust Affected Affected	# Customer Hours	Cause
5/28/2006	3:15 PM	3 Hr 45 Min	5848	1275525	Loss Power Supply
6/27/2006	3:32 PM	4 Hr 11 Min	1346	337846.2	Weather Event Off R.O.W. Tree

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 indetified service problems shall be reported.

Outages from July 05 thru June 06

Outage Cause	Number of Customers Affected	Number of Outages	Customer Minutes	Percentage of Outages
Animals	345	60	9186.73	20.27%
Vehicles	930	9	123747.6	3.04%
Decay	2	2	111	0.68%
Electrical Overload	179	2	2758.8	0.68%
Equipment	3214	45	179775.9	15.20%
Ice,Sleet,Frost	0	0	0	0.00%
Lightning	736	55	96715.8	18.58%
Other, Utilities	0	0	0	0.00%
Rain	13	1	883.8	0.34%
Trees	3092	43	135588.1	14.53%
Unknown	840	55	43472.68	18.58%
Wind	1424	24	202397.4	8.11%
Public Contact	0	0	0	0.00%
	10775	296	794637.8	100.00%



Duquesne Light

A DQE Company

Rates & Regulatory Affairs Unit
411 Seventh Avenue 8-6
Pittsburgh, Pennsylvania 15219

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July 31, 2006

VIA OVERNIGHT MAIL DELIVERY:

James J. McNulty, Secretary
Pennsylvania Public Utility Commission
P. O. Box 3265
Harrisburg, Pennsylvania 17105-3265

ORIGINAL

Dear Mr. McNulty:

In accordance with the Commission's Order at L-00030161 entered March 20, 2006 on Duquesne's Petition for Protective Order Pertaining to Information contained in its Quarterly and Annual Reliability Reports, Duquesne is submitting an original and six (6) copies of its report for the quarter ended June 30, 2006 in two versions, both included under this transmittal letter. The first version contains only that information for which the Commission did not grant protective treatment. The second version includes all of the information required by 52 Pa. Code §57.195, is marked "confidential and proprietary" and is enclosed in a sealed envelope.

Duquesne respectfully requests that the version marked "confidential and proprietary" not be made available to the public.

Please return a date-stamped copy of this letter in the enclosed, self-addressed stamped envelope.

If you have any questions regarding the information provided, please contact me at (412) 393-6334.

Sincerely,

Nancy J. D. Krajovic
Manager, Regulatory Affairs

Enclosures

- c: Mr. W. Williams – Bureau of CEEP
- Mr. I. A. Popowsky – Office of Consumer Advocate
- Mr. W. R. Lloyd – Office of Small Business Advocate
- Mr. B. J. Loper – Bureau of CEEP

- w/ enclosure
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**DUQUESNE LIGHT COMPANY
QUARTERLY RELIABILITY REPORT
August 1, 2006**

57.195 Reporting Requirements

(d)(2) The name, title, telephone number and e-mail address of the persons who have knowledge of the matters, and can respond to inquiries.

Wayne H. Honath - Manager, Reliability and Standards
(412) 393-8332, whonath@duqlight.com

Nancy J. Krajovic - Manager, Regulatory Affairs
(412) 393-6334, nkrajovic@duqlight.com

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SECRETARY'S BUREAU

(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.

No major events occurred during the second quarter of 2006.

(e)(2) Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the electric distribution company'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 BENCHMARKS AND STANDARDS

Duquesne Light Company

System Performance Measures with Major Events Excluded

Entire System				
	SAIDI	SAIFI	CAIDI	MAIFI
Benchmark	126	1.17	108	*
12 Month Standard	182	1.40	130	*
2006 2Q (Rolling 12 mo)	86	0.93	93	*

* Sufficient information to calculate MAIFI is unavailable.

Data used in calculating the indices

Total KVA interrupted for the period: 6,404,757 KVA
 Total KVA-minutes interrupted: 592,711,558 KVA-Minutes
 System connected load as of 6/30/06: 6,916,189 KVA

Formulas used in calculating the indices

$$\text{SAIFI} = \frac{(\text{Total KVA interrupted}) - (\text{KVA impact of major events})}{\text{System Connected KVA}}$$

$$\text{SAIDI} = \frac{(\text{Total KVA-minutes interrupted}) - (\text{KVA-minute impact of major events})}{\text{System Connected KVA}}$$

$$\text{CAIDI} = \text{SAIDI/SAIFI}$$

(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 electric distribution company defines its worst performing circuits shall be included.

Rank	Circuit	Connected KVA	KVA Min Interrupted	KVA Interrupted	SAIDI	SAIFI	CAIDI
1	22869 Midland-Cooks Ferry	34,481	16,090,242	89,900	467	2.6	179
2	23620 Raccoon	39,826	5,946,477	73,431	149	1.8	81
3	23622 Raccoon	40,270	4,215,316	54,915	105	1.4	77
4	23716 Pine Creek	37,682	8,207,167	162,368	218	4.3	51
5	23670 Montour	34,235	3,223,146	41,388	94	1.2	78
6	23783 Valley	42,521	5,349,817	107,656	126	2.5	50
7	23920 Logans Ferry	28,233	3,570,265	76,903	126	2.7	46
8	23683 Woodville	46,429	5,910,459	25,636	127	0.6	231
9	23715 Pine Creek	33,812	4,983,576	57,674	147	1.7	86
10	22860 Valley-Morado No. 2	11,185	8,908,825	17,450	796	1.6	511
11	22563 Pine Creek-Blaw Knox	4,555	16,110,511	50,744	3,537	11.1	317
12	23630 Sewickley	33,692	6,954,453	29,152	206	0.9	239
13	23635 Ambridge	37,088	14,318,087	115,259	386	3.1	124
14	23870 Mt. Nebo	26,795	11,829,389	121,757	441	4.5	97
15	23711 Pine Creek	33,318	5,939,758	45,939	178	1.4	129
16	22862 Ambridge-Sewickley #3	16,242	1,590,762	23,562	98	1.5	68
17	23650 Dravosburg	27,349	2,120,050	20,106	78	0.7	105
18	22854 Phillips-Aliquippa	12,917	3,884,810	48,157	301	3.7	81
19	23704 North	33,230	4,655,376	33,386	140	1.0	139
20	23782 Valley	37,618	3,148,233	9,632	84	0.3	327

Circuit performance is based on an annual statistical evaluation performed by SGS Statistical Services. Scores are assigned to each circuit based on time-weighted, multi-year outage data, and are available in the first quarter of the year. The scores include analysis of outage duration, outage frequency, mean time between failures, and customers served by each circuit. A gap score is calculated for each circuit by subtracting its composite score percentile from its connected KVA percentile. The circuits are stack-ranked according to gap scores and assigned a performance rank, with 1 being the lowest rank. The circuits in the above list are sorted by performance rank.

Additionally, Duquesne Light's Reliability & Standards group monitors the number of operations of automatic devices (circuit breakers, sectionalizers, reclosers, and fuses) to identify smaller pockets of customers experiencing frequent outages. This analysis goes beyond the circuit level, and is a proactive method of addressing small areas before they begin to affect circuit or system performance indices. This information is used throughout the year to plan and prioritize emergent projects. Projects identified by this method are rolled into the work plan on an ongoing, dynamic basis.

(e)(4) Specific remedial efforts taken and planned for the worst performing 5% of the circuits as identified in paragraph (3)

Rank	Circuit	Remedial Actions Planned or Taken
1	22869 Midland-Cooks Ferry	VM completed Q4 2002; VM scheduled for 2007. IR survey 7/28/04; hot spots repaired 8/23/04. Lateral fuses installed 5/3/04. Installed new sectionalizers 5/4/05 and 10/24/05; installed new recloser 8/20/05. Pilot to improve communications to hard to reach devices was successful. The improved communications method will be extended to other parts of the system.
2	23620 Raccoon	VM completed 10/15/04; VM scheduled for 2009. IR survey 11/23/05; hot spots repaired 1/3/06. Lateral fusing completed 9/05. A new circuit, Crescent 23662, will reduce exposure and connected kVA on this circuit, scheduled for 2007. Overload relief for 2 step-down transformer areas is under construction & scheduled for completion by 9/06. Additional sectionalizing to be designed and installed in 2006, including advanced installation of devices proposed for 23662, where practical.
3	23622 Raccoon	VM completed 10/4/2005. IR survey 6/29/04; hot spots repaired 8/23/04. Lateral fuses installed 6/04 and 5/05. Repaired failed lightning arresters and replaced faulty insulators. Overload relief for 2 step-down transformer areas in progress; scheduled for completion by 11/06. Added 3 manual switches in Q4 2005. Beaver Valley Mall rehab scope issued 1/30/06; to be designed & constructed in 2006 & 2007 (Work delayed by customer).
4	23716 Pine Creek	New circuit on this list. VM completed 4Q 2004. IR survey 7/1/2004. All defects were repaired. Performance will be monitored in 2006.
5	23670 Montour	VM completed Q4 2004; VM scheduled for 2006/2007. IR survey 11/11/05; hot spots repaired 1/31/06. Lateral fuses installed 6/05. New circuit, Findlay 23613, will reduce exposure and load on this circuit. Rights of way acquired, and construction to be completed by 11/06.
6	23783 Valley	VM completed Q3 2002; VM scheduled for 2007. IR survey 9/7/04; hot spots repaired 9/13/04. Lateral fuses installed 2/19/04. Defective sectionalizer control replaced 10/11/05. Replaced sectionalizer damaged by lightning. Converted 2 sectionalizers to wireless control. Last wireless conversion to be completed by 12/06. Additional sectionalizing to be designed and installed in 2006.
7	23920 Logans Ferry	VM completed Q1 2006. IR survey 6/17/04; hot spots repaired 9/1/04. Lateral fuses installed 2/23/04. New circuit, Logans Ferry 23923, cut in 1/4/06; load transfer in 4/06 reduced exposure and connected KVA. New circuits from California Substation will greatly reduce exposure and connected KVA; expected cut-in 12/06.
8	23683 Woodville	IR survey 9/7/04; hot spots repaired 9/13/04. Lateral fuses installed 3/30/04. VM started 5/06; to be completed Q4/06.
9	23715 Pine Creek	VM completed 2/4/05. New Wildwood substation is scheduled for cut-in June, 2007. This circuit is not part of the present scope but will be added to the project if necessary. This will reduce exposure and load. Lateral fusing completed on 2/16/05. IR was completed on 2/16/05. One hot spot repaired and four lightning arresters replaced.
10	22860 Valley-Morado No. 2	VM completed Q1 2006. Switches installed Q4 2005 to improve sectionalizing. Overloaded step-down transformers and non-standard aerial cable will be eliminated through conversion to 23 kV distribution and rearrangement of the area by 6/07. No outages in second quarter 2006
11	22563 Pine Creek-Blaw Knox	VM completed 4Q 2002. IR survey of RIDC Park area 1/13/2006. All defects were repaired. The distribution load on this circuit will be transferred to a new 23 kV circuit supplied from the new California SS, which is to be completed by 12/06. Next VM scheduled for 2008.
12	23630 Sewickley	VM completed Q3 2003; VM scheduled for 2007. IR survey 8/10/04; hot spots repaired 9/30/04. Lateral fuses installed. A bulk power supply substation is scheduled to be installed at Sewickley by 12/07. Related work will include installation of a second Sewickley 23 kV circuit.
13	23635 Ambridge	VM completed Q3 2003; VM scheduled for 2007. IR survey 1998. Lateral fusing scheduled for 2006.
14	23870 Mt. Nebo	Repaired sectionalizer that misoperated. VM completed in 2003. Lateral fuses installed 2/5/04. IR survey 7/15/04; hot spots repaired 8/23/04. New circuit Mount Nebo 23871 reduced exposure and load on this circuit; energized 1/10/06.
15	23711 Pine Creek	New circuit on this list. Performance will be monitored in 2006. IR Survey 2/17/2006. All repairs are currently being addressed and will be completed by the end of the third quarter. VM in progress; to be completed by end of third quarter.
16	22862 Ambridge-Sewickley #3	IR survey 1999. VM completed Q3 2003; VM scheduled for 2007.
17	23750 Dravosburg	New circuit on this list. VM completed 2003; VM scheduled for 2007. Performance will be monitored in 2006.
18	22854 Phillips-Aliquippa	VM completed 8/22/2005; VM scheduled for 2010. A new circuit, Crescent 23662, will be extended to this area in 2007. Remote controlled devices will be installed for service restoration. No outages in second quarter 2006.
19	23704 North	VM completed in 2003. New Wildwood substation will allow reduced exposure and load on this circuit. The expected cut-in date for Wildwood SS is 03/08. Lateral fusing completed 3/3/05. IR completed 3/02/05. One hot spot found and repaired. Two blown arrestors and bracing repaired.
20	23782 Valley	New circuit on this list. VM completed 7/06. Performance will be monitored in 2006.

**Notes: VM = Vegetation Management Line Clearance
IR = Infrared Inspection of Overhead Equipment**

(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.

July 1, 2005 through June 30, 2006

Cause	No of Outages	Outage Percentage	KVA Total	KVA Percentage	KVA-Minute Total	KVA-Minute Percentage
Storms:	847	27%	1,515,980	24%	197,879,195	33%
Trees (Contact):	111	4%	55,716	1%	8,257,343	1%
Trees (Falling):	401	13%	777,870	12%	89,709,252	15%
Equipment Failures:	884	28%	2,045,291	32%	180,477,282	30%
Overloads:	352	11%	71,587	1%	5,626,346	1%
Vehicles:	145	5%	394,552	6%	43,619,261	7%
Other:	424	13%	1,543,761	24%	67,142,879	11%
Totals:	3,164	100%	6,404,757	100%	592,711,558	100%

(e)(6) Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/ objectives.

Second Quarter 2006

2006 Transmission and Distribution Goals and Objectives Program Project	Unit of Measurement	Target for 2006 2Q	Actual for 2006 2Q	Percent Complete	Target for Year 2006
Communications Goals					
Telecom Battery Maintenance	Batteries	30	35	117%	120
Microwave Radio Maintenance	Radio Units	4	16	400%	18
Overhead Distribution Goals					
Sectionalizer/Recloser Control	Control Units	100	54	54%	210
Sectionalizer Upper Switch	Switches	100	89	89%	220
Overhead Transmission Goals					
Tower Helicopter Inspections	Number of Towers	0	0	N/A	500
Tower Ground Detail Inspections	Number of Towers*	0	26	N/A	300
Substations Goals					
Breaker Maintenance	Breakers	150	196	131%	740
Transformer Maintenance	Transformers	56	59	105%	75
Station Battery Maintenance	Batteries	280	278	99%	1,120
Station Relay Maintenance	Relays	853	937	110%	3,410
Underground Distribution Goals					
Manhole Inspections	Manholes	180	293	163%	750
Network Vault Inspections	Network Units	145	79	54%	579
Network Protector Inspections	Protectors	100	79	79%	300
Underground Transmission Goals					
Pressurization and Cathodic Protection Plant Inspection	Work Packages	13	13	100%	52
Vegetation Management Goals					
Overhead Line Clearance	Circuit Overhead Miles	330	510	155%	1,410

(e)(6) (continued)

Year to Date 2006

2006 Transmission and Distribution Goals and Objectives Program Project	Unit of Measurement	Target for 2006 YTD	Actual for 2006 YTD	Percent Complete	Target for Year 2006
Communications Goals					
Telecom Battery Maintenance	Batteries	60	70	117%	120
Microwave Radio Maintenance	Radio Units	8	21	263%	18
Overhead Distribution Goals					
Sectionalizer/Recloser Control	Control Units	190	244	128%	210
Sectionalizer Upper Switch	Switches	200	251	126%	220
Overhead Transmission Goals					
Tower Helicopter Inspections	Number of Towers	0	0	N/A	500
Tower Ground Detail Inspections	Number of Towers*	0	73	N/A	300
Substations Goals					
Breaker Maintenance	Breakers	320	406	127%	740
Transformer Maintenance	Transformers	62	72	116%	75
Station Battery Maintenance	Batteries	560	577	103%	1,120
Station Relay Maintenance	Relays	1,704	2,358	138%	3,410
Underground Distribution Goals					
Manhole Inspections	Manholes	300	433	144%	750
Network Vault Inspections	Network Units	290	317	109%	579
Network Protector Inspections	Protectors	250	289	116%	300
Underground Transmission Goals					
Pressurization and Cathodic Protection Plant Inspection	Work Packages	26	26	100%	52
Vegetation Management Goals					
Overhead Line Clearance	Circuit Overhead Miles	755	880	117%	1,410

*47 Tower Ground Detail inspections were completed in first quarter, but were omitted from the first quarter report. This report corrects that omission.

(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.

Program	2006 Budget	2nd Qtr Actual	2nd Qtr Budget	YTD Actual	YTD Budget
Restoration of Service	4,000,000	639,006	1,000,000	921,724	2,000,000
Customer Commitment	2,000,000	284,737	500,000	590,706	1,000,000
System Maintenance	21,300,000	6,311,994	5,325,000	11,773,876	10,650,000
System Capacity & Reliability	-	-	-	-	-
Infrastructure Support	-	-	-	-	-
Net Clearing	10,600,000	2,557,215	2,650,000	4,972,054	5,300,000
Total Work Plan	37,900,000	9,792,952	9,475,000	18,258,360	18,950,000
Total Non-Work Plan	56,664,000	11,833,171	12,845,000	24,214,132	27,531,000
Total Operations & Customer Services	94,564,000	21,626,123	22,320,000	42,472,492	46,481,000

(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.

Program	2006 Budget	2nd Qtr Actual	2nd Qtr Budget	YTD Actual	YTD Budget
Restoration of Service	18,000,000	4,124,212	4,735,000	7,501,821	8,665,000
Customer Commitment	19,000,000	5,428,484	4,800,000	9,540,351	8,880,000
System Maintenance	-	-	-	-	-
System Capacity & Reliability	161,500,000	33,501,887	37,820,000	71,794,977	71,615,000
Infrastructure Support	21,500,000	8,845,022	3,640,000	17,996,399	17,210,000
Net Clearing	-	310,032	-	(3,338,038)	-
Total Work Plan	220,000,000	52,209,637	50,995,000	103,495,510	106,370,000
Total Non-Work Plan	-	-	-	-	-
Total Operations & Customer Services	220,000,000	52,209,637	50,995,000	103,495,510	106,370,000

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

Telecom	Electronic Technician	7	
	Sr. Electronic Tech	12	
	Telcom Splicer/Trouble	9	
	Test Table Tech	1	
	Total	29	29
Substation	Electrical Equipment Tech	32	
	Protection & Control Tech	33	
	Sr. Elec Equipment Tech	7	
Total	72	72	
Underground	Apprentice UG	4	
	Temp Apprentice UG	5	
	Driver Helper	11	
	Journey UG Inspector	4	
	Journey UG Splicer	18	
	Sr. UG Splicer	5	
	UG Cable Installer	1	
	UG Mechanic	6	
	Network Operator	7	
	UG Cable Tester	4	
Total	65	65	
Overhead	Apprentice T&D	40	
	Temp Apprentice T&D	41	
	Automotive Crane Operator	4	
	Equipment Attendant	1	
	Equipment Material Handler	5	
	Equipment Operator	1	
	Field Inspector	4	
	Journey Lineworker	82	
	Lineworker 2/c	3	
	Lineworker Helper	1	
	Rigger Crew Leader	2	
	Service Crew Leader	5	
	Shop Mechanic 2 Rigg	2	
	Shop Mechanic Rigger	0	
Sr. Lineworker	68		
Total	259	259	
Street Light Changers	Total	10	10
Mobile Worker	Total	4	4

(e)(9) (Continued)

Engineering	Drafter	4	
	Temp Drafter	2	
	Survey	3	
	General Clerk - Grad	7	
	General Technician	4	
	GIS Technician B	2	
	Head File Record Cle	1	
	Temp Mobile Worker	14	
	Joint Use Technician	1	
	Right of Way Agent A	4	
	Sr. Technician	9	
	T&D Mobile Worker	3	
	Technician A	7	
	Technician B	9	
	Technician C	1	
	Test Technician, Mob	4	
Total	75	75	
Service Center Technician	General Technician	0	
	Sr. Technician	12	
	Technician	3	
	Total	15	15
Traveling Operator/Troubleshooter	Senior Operator	32	
	Traveling Operator	3	
	Traveling Operator 1	9	
	Distribution Regulation Tech	2	
	Troubleshooter	5	
	Troubleshooter 1/c	5	
Total	56	56	
Load Dispatcher	Total	10	10
Meter Technician	Meter Technician	22	
	Sr Meter Technician	21	
	Total	43	43
Meter Reader	Total	16	16
Customer Service Representatives	Autodialing Operator	14	
	Control Teller	1	
	Customer Service Rep	89	
	Intermediate Clerk	0	
	Sr. Customer Service	5	
	Telephone Switchboar	1	
	Teller	2	
	Total	112	112
Admin/Supervisory/Mgmt	Total	424	424
	Total	1,190	

(e)(11) Monthly call-out acceptance rate for transmission and distribution maintenance workers presented in terms of both the percentage of accepted call-outs 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

	Accepts	Refusals	Total	Percentage
April	67	140	207	32%
May	99	233	332	30%
June	102	59	261	39%

Amount of time it takes to obtain the necessary personnel

	Total Calls	Workers Accepting	Average Response Time / Crew Call-out		Average Response Time / Worker	
April	20	67	76.1	1,522/20	22.7	1,522/67
May	39	99	29.8	1,161/39	11.7	1,161/99
June	36	102	23.1	831/36	8.1	831/102
2nd Quarter	95	268	37	3,514/95	13.1	3,514/268
YTD	176	499	29	5,098/176	10.2	5,098/499

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Philadelphia, PA 19101-8699

August 1, 2006

ORIGINAL

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JUL 31 2006

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Via Federal Express

Mr. James McNulty, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Second Floor
Harrisburg, Pennsylvania 17120

**Re: PUC Docket No. L-00030161
Rulemaking Re Amending Electric Service Reliability Regulations at
52 Pa. Code Chapter 57**

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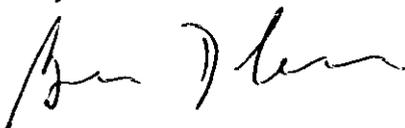
Dear Secretary McNulty:

In accordance with Electric Service Reliability Regulations at 52 Pa. Code Chapter 57, enclosed are an original and six copies of PECO's 2006 Quarterly Reliability Report for the period ending June 30, 2006.

Because portions of the report contain sensitive and proprietary information, PECO is filing two versions of the report, one public and one proprietary. PECO requests that the proprietary report, which has been separated and clearly marked with a "Confidential and Proprietary" header on each page, be kept confidential, pursuant to commission order of March 20, 2006.

If you have any further questions regarding this matter, please call me at 215-841-5316.

Sincerely,



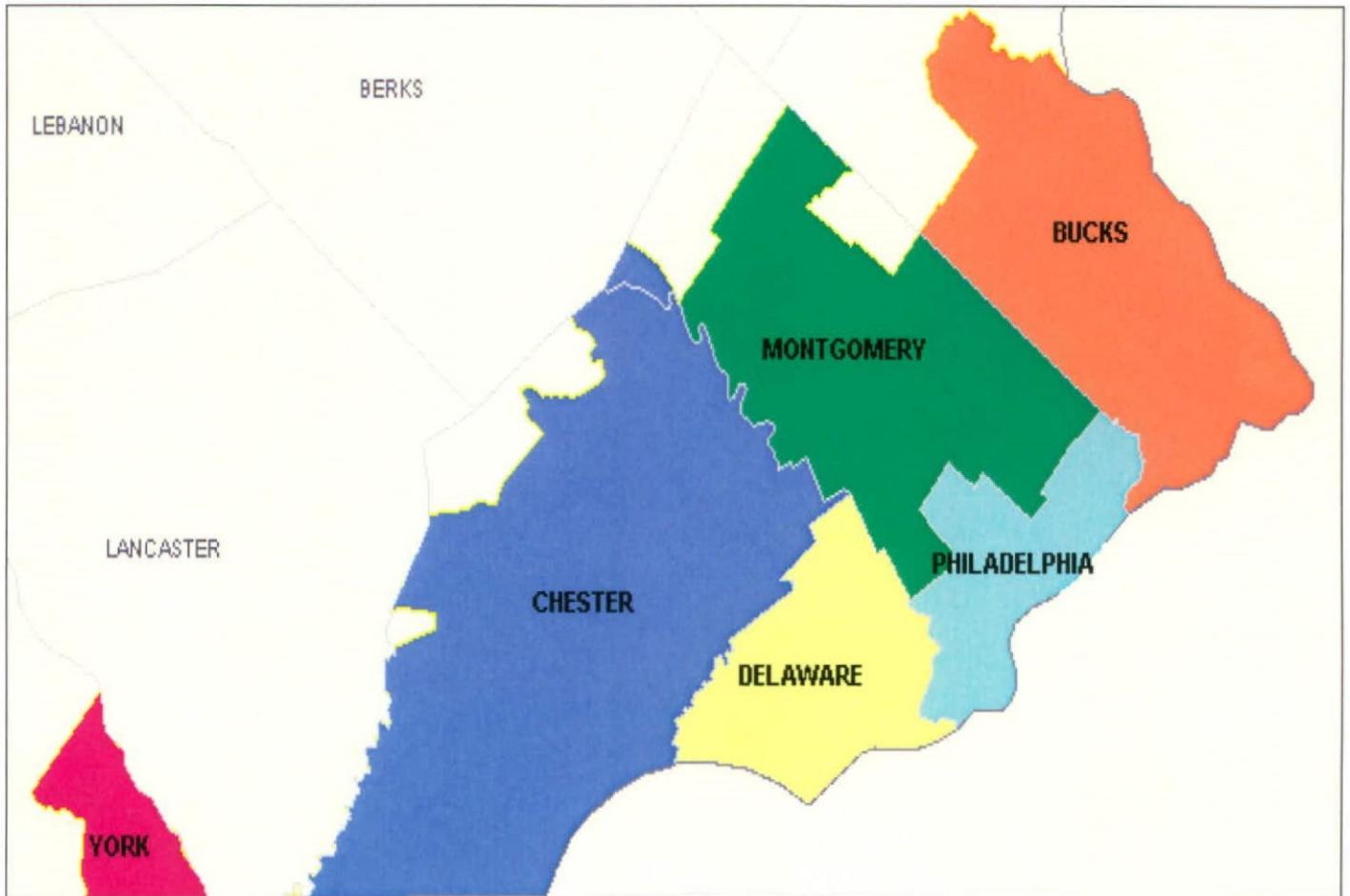
cc: Office of Consumer Advocate
Office of Small Business Advocate

enclosures

WJP/mpb

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**PECO Energy Company
Quarterly Reliability Report
For Period Ending June 30, 2006**



August 1, 2006

PECO Energy ("PECO")
Quarterly Reliability Report for the Period Ending June 30, 2006
filed with the Pennsylvania Public Utility Commission.

Submitted per Rulemaking Re: Amending Electric Service, Docket No. L-00030161 Reliability Regulations at 52 Pa.Code Chapter 57

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."

PECO experienced no major events in the 2nd quarter of 2006.

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."

PECO Customers	Sustained Customer Interruptions	Sustained Customer Hours	Momentary Customer Interruptions	Sustained Customer Minutes	SAIFI	CAIDI	SAIDI	MAIFI
1,627,751	1,978,366	3,436,308	1,392,988	206,178,474	1.22	104	127	0.86

Data reflects 12 months ending 6/30/2006

PECO Benchmarks and Rolling 12-Month Standards				
	SAIFI	CAIDI	SAIDI	MAIFI
Benchmark	1.23	112	138	N/A
Rolling 12-Month Standard	1.48	134	198	N/A

SAIFI, CAIDI, and SAIDI are better than the respective benchmarks and standards established on May 7, 2004. No benchmark or standard was established for MAIFI. PECO experienced large storms in January and June of 2006 that were not major events by PUC criteria. These storms combined to affect over 300,000 customers, increasing SAIFI by 0.20 and also increasing CAIDI and SAIDI.

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."

PECO's worst performing 5% circuits for 2006 are selected based on rolled up customer interruptions – a count of all customer interruptions on a given circuit and on other circuits for which it is a source, due to outages on the given circuit in a 12 month period. This measure is oriented toward its contribution to system SAIFI. In addition, circuits with a history of repeat appearance on worst performing lists, or with high circuit SAIFI, were selectively included in the 5% list.

Worst circuits and the rolling 12-month reliability index values requested are shown in Appendix A.

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

Remedial efforts taken or planned to date for PECO's worst performing 5% of circuits are shown in Appendix B.

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 included.”

12 Months Ending June 30, 2006					
Cause	Cases of Trouble	% Cases of Trouble	Customer* Interruptions	% Customer Interruptions	Customer Minutes
Animal Contact	1,149	8.6%	57,530	2.9%	3,472,246
Contact / Dig In	301	2.3%	36,927	1.9%	2,608,506
Equipment Failure	4,549	34.1%	628,996	31.8%	61,723,380
Lightning	1,159	8.7%	181,794	9.2%	23,094,475
Transmission / Substation	11	0.1%	30,213	1.5%	3,089,126
Vegetation - Broken / Uprooted	2,081	15.6%	431,751	21.8%	54,376,643
Vegetation - In-growth	1,902	14.3%	177,778	9.0%	21,568,807
Vehicles	366	2.7%	116,239	5.9%	8,899,239
Unknown	646	4.8%	145,265	7.3%	11,640,007
Other	1,180	8.8%	171,873	8.7%	15,706,046

*The data supplied is the number of interrupted customers for each interruption event summed for all events, also known as customer interruptions. A customer interrupted by three separate trouble cases represents three customer interruptions, but only one customer interrupted.

The largest contributors to customer interruptions were equipment failure and tree-related interruptions. The leading groups within the equipment failure category were aerial equipment and underground equipment. Most customer interruptions caused by trees came from broken branches and tree trunks or uprooted trees (71%), as opposed to ingrowth (29%).

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).”*

Predictive and Preventive Maintenance Program – status as of 6/30/06					
	2 nd Quarter Tasks		YTD Tasks		2006 Total Planned
	Planned	Complete	Planned	Complete	
Manhole Inspections (Number of manholes inspected)	915	1168	1281	1320	2491
Circuit Patrol & Thermography (Number of circuits inspected)	252	221	471	755	739
Recloser Inspections (Number of reclosers inspected)	135	117	226	261	249
Center City Network Inspections (Number of maintenance tasks performed (e.g. visual inspection, functional testing))	0	78	190	252	318
T&S Maintenance (Number of maintenance tasks performed (e.g. visual inspection, predictive/diagnostic maintenance, preventive maintenance) for a variety of substation components)	896	1041	1786	2138	4017
T&S Testing (Number of maintenance tasks performed (e.g. calibration, trip test))	85	339	398	549	1097
Totals	2283	2964	4352	5275	8911

Vegetation Management Preventive Maintenance Program – status as of 6/30/06					
	2 nd Quarter Miles		YTD Miles		2006 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	766	878	1,240	1,330	2,991
Transmission Trimming and Removals	48	51	90	95	199
Totals	814	929	1,271	1,357	3,190

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 2 nd Quarter	Actual 2 nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$824,333	\$668,733	\$1,428,194	\$1,433,493
Capacity Expansion	\$592,064	\$369,289	\$1,490,535	\$867,106
System Performance	\$5,809,298	\$3,472,584	\$11,127,326	\$1,773,086
Facility Relocation	\$503,397	\$969,773	\$1,015,073	\$1,585,029
Maintenance	\$29,230,463	\$32,540,344	\$58,678,459	\$63,294,078
Total	\$36,959,555	\$38,020,723	\$73,739,587	\$68,952,792

See Appendix C for category definitions.

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 2 nd Quarter	Actual 2 nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$18,262,936	\$12,586,525	\$33,104,168	\$28,226,218
Capacity Expansion	\$17,393,634	\$11,363,178	\$42,971,961	\$32,885,715
System Performance	\$8,443,023	\$6,564,588	\$16,158,987	\$9,147,149
Facility Relocation	\$2,517,254	\$1,646,962	\$4,869,774	\$3,043,227
Maintenance	\$15,067,758	\$17,375,833	\$26,406,219	\$35,785,338
Total	\$61,684,605	\$49,537,086	\$123,511,109	\$109,087,647

See Appendix C for category definitions.

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 (e.g., lineman, technician and electrician).”*

PECO’s full-time trade staff as of July 1st 2006 was as follows:

Aerial Lineman	382
Underground Lineman	60
Transmission / Substation Mechanics, Operators	86
Energy Technicians	94
Aerial Foreman	56
Underground Foreman	18
Transmission / Substation Foreman	26
Total	722

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Appendix A
Rolling 12- month reliability index values for 5% worst performing circuits.

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
ANGORA 011	1,104	4.17	63	261	0.00	4,606	4,801	0
ARDMORE 017	411	2.45	78	190	0.00	1,005	1,298	0
BALA 136	1,583	1.21	32	39	0.00	1,916	1,026	0
BERWYN 002	547	7.64	124	949	2.98	4,179	8,649	1,632
BLUE GRASS 137	1,435	3.61	47	171	1.71	5,184	4,090	2,456
BLUE GRASS 144	1,552	0.58	169	98	0.45	899	2,531	699
BRADFORD 341	1,581	2.28	117	266	5.17	3,598	7,014	8,169
BRADFORD 342	2,213	1.92	130	251	1.47	4,254	9,243	3,245
BRADFORD 344	2,482	2.99	202	604	1.00	7,433	24,987	2,492
BRADFORD 346	1,095	2.22	99	220	0.00	2,427	4,015	0
BROOMALL 136	1,384	1.54	132	203	0.00	2,131	4,692	0
BRYN MAWR 131	1,355	1.25	204	255	0.01	1,699	5,769	8
BRYN MAWR 143	660	8.07	84	678	0.00	5,324	7,456	0
BRYN MAWR 144	1,240	1.41	221	312	0.48	1,752	6,446	600
BUCKINGHAM 344	1,475	2.15	107	231	2.23	3,177	5,683	3,294
BUCKINGHAM 351	1,265	2.79	119	333	0.77	3,535	7,021	979
BUCKINGHAM 354	1,330	0.99	91	90	1.61	1,317	1,989	2,145
BYBERRY 143	2,221	2.69	155	417	0.00	5,985	15,431	0
CALLOWHILL 138	1,255	1.99	56	110	0.00	2,496	2,309	0
CALLOWHILL 142	897	2.38	48	114	0.00	2,135	1,701	0
CEDARBROOK 132	678	2.30	128	296	0.99	1,562	3,342	673
CEDARBROOK 138	3,605	0.69	97	66	0.37	2,478	3,987	1,339
CHICHESTER 139	1,615	3.56	43	152	0.00	5,753	4,081	0
CORNOG 001	531	3.06	147	451	7.99	1,625	3,993	4,244
CRESCENTVILLE 134	1,822	2.46	61	151	0.00	4,476	4,584	0
CRUM LYNNE 138	1,740	3.31	66	219	1.68	5,761	6,345	2,928
DAVISVILLE 003	948	6.35	94	599	3.86	6,022	9,457	3,664
EDDYSTONE 132	2,202	1.09	58	63	0.50	2,392	2,309	1,098
EDGMONT 133	2,261	1.09	59	64	5.39	2,473	2,414	12,181
FLINT 132	1,194	4.47	70	312	0.68	5,339	6,213	811
FLINT 141	846	3.79	128	486	0.00	3,207	6,851	0
FLINT 144	865	6.66	110	734	1.42	5,760	10,577	1,228
FLINT 146	1,147	3.81	101	384	1.46	4,365	7,339	1,669
FOULK 131	1,656	4.08	79	323	1.11	6,764	8,928	1,831
FOULK 142	336	2.00	63	126	0.00	672	705	0
FURNACE 000	544	10.75	94	1006	1.05	5,850	9,124	569
HAGYS 004	307	2.33	107	249	1.00	716	1,272	307
HARMONY 007	1,272	5.25	77	402	1.00	6,676	8,519	1,271
HEATON 131	937	3.63	131	473	0.57	3,397	7,391	534
HEATON 133	1,766	0.62	174	108	0.00	1,103	3,191	0
HOPEWELL 000	284	6.05	72	438	0.00	1,719	2,071	0
HOWELL 002	386	7.27	60	436	2.99	2,806	2,806	1,156
HUNTING PARK 032	1,313	1.61	101	162	0.06	2,114	3,553	83
ISLAND ROAD 136	1,828	1.69	124	209	0.00	3,090	6,371	0
ISLAND ROAD 138	2,320	0.33	91	30	0.00	758	1,153	0
JENKINTOWN 138	1,877	1.10	29	31	0.01	2,057	985	18
JENKINTOWN 141	678	2.53	112	284	0.00	1,715	3,206	3
JENKINTOWN 143	1,682	3.05	75	229	1.88	5,127	6,429	3,160
LANE 001	823	2.48	152	376	2.00	2,043	5,162	1,642
LENAPE 341	979	4.15	67	277	5.31	4,059	4,516	5,203

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
LINE 109 00	420	3.38	137	464	1.00	1,419	3,249	420
LINE 131 00WO	690	3.53	63	224	2.77	2,438	2,574	1,914
LINE 145 00UP	171	3.99	132	528	3.00	683	1,505	513
LINE 147 00PB	884	2.36	55	130	0.00	2,087	1,914	0
LINE 2241	1,334	4.53	55	251	0.00	6,043	5,584	0
LINE 2394	1,797	3.16	72	229	0.00	5,686	6,853	1
LINE 2445	473	3.10	66	204	0.00	1,467	1,608	0
LINE 2471	1,108	1.95	98	191	0.09	2,163	3,521	96
LINE 2682	1,640	1.50	46	69	0.00	2,459	1,891	0
LINE 300CR	2,132	13.20	124	1643	0.38	28,147	58,395	804
LINE 3336	1	1.00	113	113	0.00	1	2	0
LINE 3340	934	2.49	208	519	1.00	2,324	8,071	934
LINE 3600CR	865	0.84	190	159	1.00	724	2,289	862
LINE 7900	0	0.00	56	0	0.00	3	3	0
LINTON 343	4,133	0.09	363	34	0.01	385	2,331	28
LINTON 352	3,329	0.65	71	46	3.55	2,155	2,538	11,805
LLANERCH 141	1,650	2.02	77	155	4.60	3,328	4,264	7,598
LLANERCH 147	2,331	1.12	173	195	0.65	2,618	7,559	1,514
LOMBARD 132	3,287	1.46	123	180	1.74	4,800	9,872	5,710
LOMBARD 133	2,656	0.04	57	2	0.00	102	97	0
LOMBARD 138	2,522	4.53	45	202	1.05	11,414	8,481	2,651
MACDADE 132	1,633	2.19	54	118	0.00	3,576	3,213	0
MACDADE 135	2,246	1.70	60	102	1.40	3,819	3,803	3,144
MACDADE 148	1,582	2.57	61	157	0.00	4,069	4,131	0
MARCUS HOOK 135	3	3.00	59	176	0.00	9	9	0
MARSHALLTON 002	516	4.81	61	291	0.99	2,480	2,502	511
MATSON 131	846	8.33	123	1025	3.98	7,045	14,456	3,370
MOSER 342	2,533	2.85	57	163	2.30	7,226	6,900	5,816
NESHAMINY 142	1,426	2.54	96	244	0.84	3,615	5,800	1,201
NEWLINVILLE 343	2,032	4.32	157	676	3.05	8,779	22,906	6,199
NEWLINVILLE 346	755	1.48	109	161	4.95	1,121	2,028	3,735
NEWLINVILLE 351	1,095	2.62	107	280	1.89	2,866	5,105	2,067
NEWLINVILLE 353	2,101	6.20	63	392	7.02	13,019	13,718	14,755
NEWLINVILLE 354	2,574	3.08	109	336	2.52	7,933	14,424	6,498
NORTH PHILADELPHIA 133	3,044	2.44	73	178	0.92	7,417	9,040	2,796
NORTH PHILADELPHIA 135	2,023	1.50	79	119	0.00	3,029	4,002	0
NORTH WALES 362	1,710	0.90	168	152	5.42	1,543	4,325	9,267
OVERBROOK 131	3,639	1.32	29	39	1.21	4,805	2,355	4,412
PENCOYD 014	1,358	2.00	97	194	1.00	2,713	4,385	1,358
PLYMOUTH 139	1,331	3.63	88	319	2.95	4,836	7,073	3,932
PULASKI 131	4,619	1.11	56	62	0.94	5,105	4,735	4,335
PULASKI 132	2,195	1.65	162	268	1.17	3,631	9,791	2,579
RICHMOND 138	1,322	3.33	34	115	1.00	4,404	2,531	1,321
RICHMOND 145	899	3.02	55	167	0.00	2,712	2,503	0
ROXBOROUGH 136	972	4.33	87	377	1.00	4,211	6,105	973
SAVILLE 132	2,482	2.19	111	243	0.00	5,447	10,064	0
SHEEDER 000	433	9.25	65	600	0.00	4,007	4,328	0
SOLEBURY 001	495	8.84	55	487	1.00	4,378	4,014	493
TABOR 136	2,718	3.12	49	152	0.48	8,472	6,877	1,305
UPPER DARBY 008	797	3.00	94	282	0.00	2,391	3,746	0
UPPER DARBY 134	2,061	1.78	63	112	0.54	3,673	3,845	1,114
UPPER DARBY 140	1,850	1.67	43	72	0.00	3,096	2,209	0

CIRCUIT	CUSTOMERS ON CIRCUIT	12 Month Rolling Circuit SAIFI	12 Month Rolling Circuit CAIDI	12 Month Rolling Circuit SAIDI	12 Month Rolling Circuit MAIFI	12 Month Rolling Customers Interrupted	12 Month Rolling Customer Hours	12 Month Rolling Momentary Customers Interrupted
UPPER MERION 132	1,285	4.26	125	532	0.00	5,470	11,393	0
UPPER MERION 351	2,687	2.87	86	247	0.41	7,702	11,070	1,093
WANEETA 139	1,551	2.22	35	79	0.00	3,448	2,035	0
WARMINSTER 141	1,712	2.40	55	131	0.00	4,102	3,750	0
WARRINGTON 342	3,507	0.74	167	124	2.34	2,600	7,250	8,221
WARRINGTON 343	2,096	1.49	152	226	1.29	3,126	7,896	2,697
WAYNE 134	714	3.29	126	414	0.00	2,352	4,925	0
WAYNE 146	1,040	5.34	113	603	1.99	5,551	10,457	2,074
WEST GROVE 001	819	2.22	100	223	1.99	1,820	3,048	1,632
WHITEMARSH 142	918	1.85	126	232	0.00	1,694	3,544	0

*The data supplied is the number of interrupted customers for each interruption event summed for all events, also known as customer interruptions. If a customer is interrupted by three separate trouble cases, they represent three customer interruptions, but only one customer interrupted.

Appendix B

Remedial efforts taken and planned for 5% worst performing circuits as of 6/31/06

ANGORA 011	Completed	Planned
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
	Completed reliability corrective workorders	Install wildlife protection
		Install additional fuses
		Complete reliability corrective workorders
		Perform regularly scheduled tree clearance
ARDMORE 017	Completed	Planned
		Install faulted circuit indicators
BALA 136	Completed	Planned
	Completed reliability corrective workorders	
	Installed 3-phase recloser	Perform regularly scheduled tree clearance
BERWYN 002	Completed	Planned
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
		Upgrade fusing
		Remediate supply circuit
BLUE GRASS 137	Completed	Planned
	Completed reliability corrective workorders	
	Replaced cable	
BLUE GRASS 144	Completed	Planned
	Completed reliability corrective workorders	
	Replaced underground cable	
	Installed additional fuses	
BRADFORD 341	Completed	Planned
	Inspected/maintained reclosers	Equip breakers for automatic switching
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
BRADFORD 342	Completed	Planned
	Completed reliability corrective workorders	Upgrade lightning protection
	Inspected circuit visually and with thermographic camera	
	Repaired recloser	
	Replaced transformers	
BRADFORD 344	Completed	Planned
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
	Replaced cable	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
BRADFORD 346	Completed	Planned
	Installed 3 phase recloser	
	Installed additional fuses	
	Repaired switches	
	Completed reliability corrective workorders	

BROOMALL 136	Completed	Planned
	Completed reliability corrective workorders	
	Installed 3-phase reclosers	
	Installed single phase reclosers	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
BRYN MAWR 131	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
		Inspect selected areas of circuit for vegetation issues and correct as needed
		Install wildlife protection
		Install single phase reclosers
BRYN MAWR 143	Completed	Planned
	Replaced recloser	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
	Installed additional phases	
	Replaced cable	
BRYN MAWR 144	Completed	Planned
	Completed reliability corrective workorders	
	Inspected/repared recloser operation	
	Inspected motor operated switch	
	Installed faulted circuit indicators	
BUCKINGHAM 344	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
	Inspected/repared recloser operation	
BUCKINGHAM 351	Completed	Planned
	Inspected/repared recloser operation	
	Completed reliability corrective workorders	
	Inspected selected areas of circuit for vegetation issues and correct as needed	
	Inspected circuit visually and with thermographic camera	
	Replaced recloser	
BUCKINGHAM 354	Completed	Planned
	Inspected circuit visually and with thermographic camera	
	Inspected selected areas of circuit for vegetation issues and correct as needed	
	Performed scheduled recloser maintenance	
	Installed single phase recloser	
BYBERRY 143	Completed	Planned
	Completed reliability corrective workorders	
CALLOWHILL 138	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected circuit visually and with thermographic camera	

CALLOWHILL 142	Completed	Planned
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
	Inspected selected areas of circuit for vegetation issues and correct as needed	Complete reliability corrective workorders
		Upgrade switches
CEDARBROOK 132	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
	Completed regularly scheduled tree clearance	
	Replaced underground cable	
CEDARBROOK 138	Completed	Planned
	Completed reliability corrective workorders	
	Replaced transformer	
	Inspected circuit visually and with thermographic camera	
	Inspected/maintained reclosers	
	Completed regularly scheduled tree clearance	
CHICHESTER 139	Completed	Planned
	Inspected circuit visually and with thermographic camera	Upgrade switches
CORNOG 001	Completed	Planned
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
	Completed reliability corrective workorders	
CRESCENTVILLE 134	Completed	Planned
	Completed reliability corrective workorders	Install single phase reclosers
	Inspected circuit visually and with thermographic camera	
	Completed regularly scheduled tree trimming	
	Installed additional fuses	
	Installed 3-phase recloser	
CRUM LYNNE 138	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected/maintained reclosers	
	Completed reliability corrective workorders	
	Installed single phase reclosers	
DAVISVILLE 003	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
EDDYSTONE 132	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
	Completed reliability corrective workorders	

EDGMONT 133	Completed	Planned
	Installed wildlife protection	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Completed reliability corrective workorders	
	Upgraded fuses	
FLINT 132	Completed	Planned
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Completed reliability corrective workorders	
	Installed 3 phase reclosers	
FLINT 141	Completed	Planned
	Completed reliability corrective workorders	Install 3 phase reclosers
	Completed regularly scheduled tree clearance	Install single-phase reclosers
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
FLINT 144	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected circuit visually and with thermographic camera	
	Installed wildlife protection	
	Installed three phase recloser	
	Installed single phase reclosers	
FLINT 146	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected circuit visually and with thermographic camera	
	Installed wildlife protection	
	Inspected/maintained reclosers	
	Upgraded lightning protection	
FOULK 131	Completed	Planned
		Inspect selected areas of circuit for vegetation issues and correct as needed
		Install 3-phase reclosers
		Install switch
		Complete reliability corrective workorders
FOULK 142	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
	Completed reliability corrective workorders	

FURNACE 000	Completed	Planned
	Inspected circuit visually and with thermographic camera	Install single-phase reclosers
	Performed regularly scheduled tree clearance	Complete reliability corrective workorders
	Installed new supply circuit	
HAGYS 004	Completed	Planned
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
		Upgrade fusing
		Complete reliability corrective workorders
		Perform regularly scheduled tree clearance
HARMONY 007	Completed	Planned
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
	Remediated supply circuit	
HEATON 131	Completed	Planned
	Inspected circuit visually and with thermographic camera	Install additional fuses
	Upgraded switches	Complete reliability corrective workorders
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
HEATON 133	Completed	Planned
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
	Installed single phase reclosers	
	Inspected/maintained reclosers	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Completed reliability corrective workorders	
HOPEWELL 000	Completed	Planned
	Remediated supply circuit	Complete reliability corrective workorders
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
HOWELL 002	Completed	Planned
	Completed reliability corrective workorders	Remediate supply circuit
	Inspected selected areas of circuit for vegetation issues and corrected as needed	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
HUNTING PARK 032	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected circuit visually and with thermographic camera	
	Completed reliability corrective workorders	

ISLAND ROAD 136	Completed	Planned
	Inspected circuit visually and with thermographic camera	Install additional fuses
	Installed underground cable	
	Completed reliability corrective workorders	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
ISLAND ROAD 138	Completed	Planned
	Completed reliability corrective workorders	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected circuit visually and with thermographic camera	
	Installed additional fusing	
	Installed wildlife protection	
JENKINTOWN 138	Completed	Planned
	Completed reliability corrective workorders	
	Installed single phase recloser	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Completed regularly scheduled tree clearance	
JENKINTOWN 141	Completed	Planned
	Replaced cable	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	Install additional fuses
	Completed regularly scheduled tree clearance	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
JENKINTOWN 143	Completed	Planned
	Completed reliability corrective workorders	
	Installed single phase recloser	
	Completed regularly scheduled tree clearance	
LANE 001	Completed	Planned
	Completed reliability corrective workorders	
	Remediated supply circuit	
LENAPE 341	Completed	Planned
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
	Inspected/repared reclosers	
	Completed regularly scheduled tree clearance	
	Upgraded wildlife protection	
LINE 109 00	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
		Install wildlife protection

LINE 131 00WO	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
	Completed reliability corrective workorders	
	Completed recloser inspections	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
LINE 145 00UP	Completed	Planned
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
		Repair switch
		Upgrade fusing
		Complete reliability corrective workorders
LINE 147 00PB	Completed	Planned
	Inspected/repaired reclosers	Repair switches
	Completed reliability corrective workorders	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
		Improve recloser grounding
LINE 2241	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected circuit visually and with thermographic camera	
	Installed wildlife protection	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Installed faulted circuit indicators	
	Upgraded lightning protection	
LINE 2394	Completed	Planned
	Completed reliability corrective workorders	
	Upgraded fusing	
	Installed additional fuses	
	Installed wildlife protection	
LINE 2445	Completed	Planned
	Inspected circuit visually and with thermographic camera	Install automatic transfer switches
LINE 2471	Completed	Planned
	Repaired underground cable	
	Upgraded transformer	
LINE 2682	Completed	Planned
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
	Completed reliability corrective workorders	
	Upgraded fuses	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	

LINE 300CR	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and corrected as needed	Perform regularly scheduled tree clearance
	Installed 3-phase recloser	
LINE 3336	Completed	Planned
	Replaced switch	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	Install 3-phase reclosers
LINE 3340	Completed	Planned
	Completed reliability corrective workorders	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected /repaired switch	
	Inspected recloser	
LINE 3600CR	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and corrected as needed	Perform regularly scheduled tree clearance
	Installed additional fuses	Install single phase recloser
	Completed reliability corrective workorders	
LINE 7900	Completed	Planned
	Completed reliability corrective workorders	
LINTON 343	Completed	Planned
	Completed reliability corrective workorders	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected/ repaired recloser operation	
	Replaced cable	
	Replaced recloser	
LINTON 352	Completed	Planned
	Completed reliability corrective workorders	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	
	Replaced recloser	
	Repaired cable	
	Replaced transformer	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
LLANERCH 141	Completed	Planned
	Completed reliability corrective workorders	
	Installed single phase recloser	
	Upgraded wildlife protection	
	Installed additional fuses	
	Inspected circuit visually and with thermographic camera	
LLANERCH 147	Completed	Planned
	Completed reliability corrective workorders	

LOMBARD 132	Completed	Planned
	Upgraded switch	Perform regularly scheduled tree clearance
	Installed additional fuses	
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
LOMBARD 133	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and corrected as needed	Perform regularly scheduled tree clearance
	Upgraded transformer	
	Replaced cable	
	Inspected circuit visually and with thermographic camera	
	Installed additional fuses	
	Completed reliability corrective workorders	
	Inspected reclosers	
LOMBARD 138	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
	Upgraded switches	Perform regularly scheduled tree clearance
	Replaced underground cable	
MACDADE 132	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
MACDADE 135	Completed	Planned
	Upgraded wildlife protection	
	Inspected circuit visually and with thermographic camera	
	Replaced transformer	
	Completed regularly scheduled tree clearance	
MACDADE 148	Completed	Planned
	Inspected circuit visually and with thermographic camera	Upgrade wildlife protection
		Install single phase reclosers
		Complete reliability corrective workorders
		Perform regularly scheduled tree clearance
MARCUS HOOK 135	Completed	Planned
	Inspected circuit visually and with thermographic camera	Test customer relays
	Completed reliability corrective workorders	Complete reliability corrective workorders
MARSHALLTON 002	Completed	Planned
	Remediated supply circuit	Inspect/repair breaker control
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected circuit visually and with thermographic camera	
	Completed reliability corrective workorders	

MATSON 131	Completed	Planned
	Completed reliability corrective workorders	Complete reliability corrective workorders
	Replaced primary wires	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Upgraded wildlife protection	
	Installed 3-phase reclosers	
MOSER 342	Completed	Planned
	Completed reliability corrective workorders	
	Inspected/tested reclosers	
	Inspected/repared switches	
	Repaired reclosers	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Installed 3 phase recloser	
NESHAMINY 142	Completed	Planned
		Install switches
NEWLINVILLE 343	Completed	Planned
	Completed reliability corrective workorders	Install 3-phase recloser
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
NEWLINVILLE 346	Completed	Planned
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
		Install 3-phase recloser
NEWLINVILLE 351	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Completed reliability corrective workorders	
NEWLINVILLE 353	Completed	Planned
	Replaced three-phase recloser	Complete reliability corrective workorders
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
NEWLINVILLE 354	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Inspected circuit visually and with thermographic camera	
	Upgraded transformers	

NORTH PHILADELPHIA 133	Completed	Planned
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
	Inspected/tested reclosers	
	Inspected/repaired switch	
NORTH PHILADELPHIA 135	Completed	Planned
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
	Inspected/repaired reclosers	
	Installed switch	
NORTH WALES 362	Completed	Planned
	Inspected circuit visually and with thermographic camera	Upgrade lightning protection
	Repaired switch	Complete reliability corrective workorders
	Completed reliability corrective workorders	
	Replaced reclosers	
OVERBROOK 131	Completed	Planned
	Completed reliability corrective workorders	Automate switching of recloser
	Inspected circuit visually and with thermographic camera	
PENCOYD 014	Completed	Planned
	Inspected circuit visually and with thermographic camera	Upgrade fusing
		Perform regularly scheduled tree clearance
		Replace underground cable
		Complete reliability corrective workorders
		Install faulted circuit indicators
		Inspect selected areas of circuit for vegetation issues and correct as needed
PLYMOUTH 139	Completed	Planned
	Inspected/tested reclosers	Perform regularly scheduled tree clearance
	Completed reliability corrective workorders	
	Upgraded wildlife protection	
	Upgraded lightning protection	
PULASKI 131	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
	Inspected/tested reclosers	
PULASKI 132	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Upgraded fusing	

RICHMOND 138	Completed	Planned
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and corrected as needed
	Completed reliability corrective workorders	Complete reliability corrective workorders
		Upgrade fusing
RICHMOND 145	Completed	Planned
	Completed regularly scheduled tree trimming	Upgrade switches
	Inspected circuit visually and with thermographic camera	Complete reliability corrective workorders
		Install additional fuses
ROXBOROUGH 136	Completed	Planned
	Completed reliability corrective workorders	Perform regularly scheduled tree clearance
	Inspected circuit visually and with thermographic camera	
	Upgraded switches	
SAVILLE 132	Completed	Planned
	Inspected circuit visually and with thermographic camera	
	Inspected selected areas of circuit for vegetation issues and correct as needed	
	Installed three-phase reclosers	
	Completed reliability corrective workorders	
SHEEDER 000	Completed	Planned
	Remediated supply circuit	Install additional fuses
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
	Completed reliability corrective workorders	
SOLEBURY 001	Completed	Planned
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
	Completed reliability corrective workorders	Complete reliability corrective workorders
		Install switch
TABOR 136	Completed	Planned
	Completed reliability corrective workorders	
	Inspected/tested recloser	
	Installed wildlife protection	
	Upgraded switches	
UPPER DARBY 008	Completed	Planned
	Completed reliability corrective workorders	Install additional fuses
	Inspected circuit visually and with thermographic camera	Inspect selected areas of circuit for vegetation issues and correct as needed
		Complete reliability corrective workorders

UPPER DARBY 134	Completed	Planned
	Completed reliability corrective workorders	
	Installed single phase recloser	
	Upgraded fuses	
	Inspected/tested recloser	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
UPPER DARBY 140	Completed	Planned
	Inspected circuit visually and with thermographic camera	
	Installed three-phase reclosers	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Completed reliability corrective workorders	
UPPER MERION 132	Completed	Planned
	Inspected/maintained reclosers	Perform regularly scheduled tree clearance
	Installed single phase recloser	Install wildlife protection
	Completed reliability corrective workorders	Install 3-phase recloser
		Install additional fuses
		Complete reliability corrective workorders
UPPER MERION 351	Completed	Planned
	Replaced load center	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
	Replaced switching module	
WANEETA 139	Completed	Planned
	Inspected circuit visually and with thermographic camera	
	Completed reliability corrective workorders	
	Installed additional fuses	
WARMINSTER 141	Completed	Planned
	Inspected/repared recloser operation	Inspect selected areas of circuit for vegetation issues and correct as needed
		Upgrade lightning protection
		Complete reliability corrective workorders
WARRINGTON 342	Completed	Planned
	Completed reliability corrective workorders	
	Inspected circuit visually and with thermographic camera	
	Inspected/maintained reclosers	
	Inspected selected areas of circuit for vegetation issues and corrected as needed	
	Upgraded lightning protection	

WARRINGTON 343	Completed	Planned
	Completed reliability corrective workorders	Complete reliability corrective workorders
	Inspected selected areas of circuit for vegetation issues and corrected as needed	Upgrade lightning protection
	Inspected circuit visually and with thermographic camera	
	Inspected/tested reclosers	
WAYNE 134	Completed	Planned
	Inspected selected areas of circuit for vegetation issues and correct as needed	
	Installed 3-phase reclosers	
	Installed single phase reclosers	
	Completed reliability corrective workorders	
	Upgraded fusing	
	Installed aerial faulted circuit indicators	
	Completed regularly scheduled tree clearance	
WAYNE 146	Completed	Planned
	Completed regularly scheduled tree clearance	
	Completed reliability corrective workorders	
	Installed single phase recloser	
	Inspected selected areas of circuit for vegetation issues and correct as needed	
WEST GROVE 001	Completed	Planned
	Completed reliability corrective workorders	
	Inspected selected areas of circuit for vegetation issues and correct as needed	
WHITEMARSH 142	Completed	Planned
	Completed reliability corrective workorders	Complete reliability corrective workorders
	Inspected circuit visually and with thermographic camera	Perform regularly scheduled tree clearance
	Upgraded switches	

Appendix C

New Business Connections

This work category includes all the facility work required to add a new customer or to increase the load to an existing customer. The facility work will include the facilities required to directly connect the customer to the system and the upgrade/replacement of any existing facility to serve the requested additional load.

Capacity Expansion

This work category includes only capacity work generated by the system design engineer to prevent system failure and to assure the delivery of voltage as specified in the tariff. The addition of new substations and substation enlargements for future load growth will also be included in this project.

System Performance

This work category includes projects designed to upgrade, modify or improve the performance of the distribution system.

Facility Relocation

This work category includes all requests for relocation of PECO facilities including municipal as well as customer related relocation requests.

Maintenance

This work category includes work performed to repair and restore equipment to its normal state of operation, along with planned preventive maintenance work such as visual and thermographic inspections and tree trimming around transmission and distribution lines.

ORIGINAL

August 1, 2006

James J. McNulty, Secretary
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17120

DOCUMENT
FOLDER

Re: Joint 2nd Quarter 2006 Reliability Report - Pennsylvania Power Company,
Pennsylvania Electric Company, and Metropolitan Edison Company pursuant to
52 PA Code 57.195(e)

L-00030161

Dear Secretary McNulty:

Enclosed for filing on behalf of the Pennsylvania Power Company, Pennsylvania Electric Company, and Metropolitan Edison Company (collectively, "Companies") are an original and six (6) copies of its Joint 2nd Quarter 2006 Reliability Report – Public Version.

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 a proprietary version of the quarterly reliability report. The Proprietary Version of this report is being filed under a separate letter.

Sincerely,



Eric Dickson
Director, Operations Services

Enclosures

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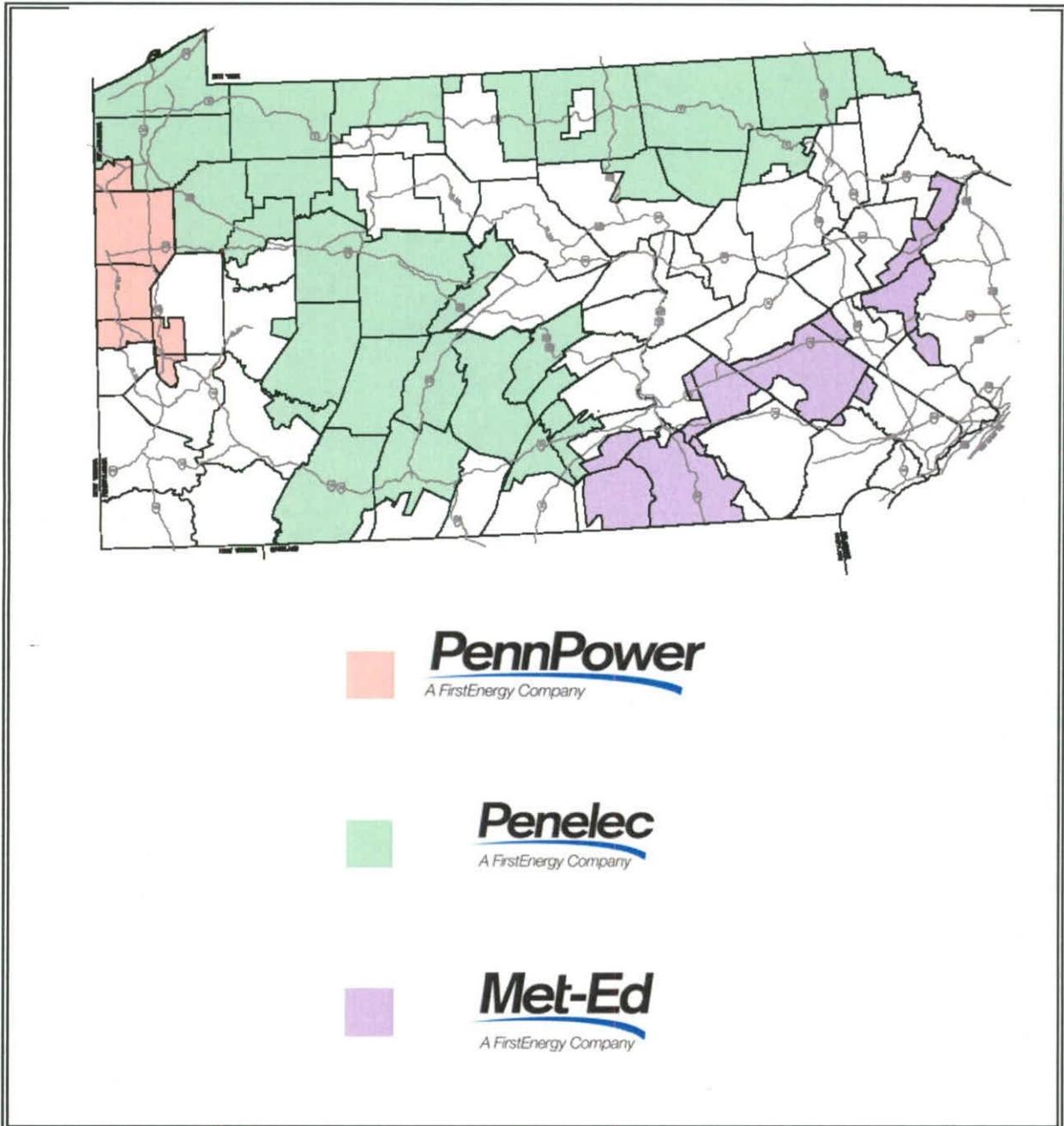
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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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Joint 2nd Quarter 2006 Service Reliability Report –
Pennsylvania Power Company,
Pennsylvania Electric Company, and
Metropolitan Edison Company
Pursuant to 52PA Code § 57.195(e)



**Joint 2nd Quarter 2006 Service Reliability Report –
 Pennsylvania Power Company,
 Pennsylvania Electric Company and
 Metropolitan Edison Company**

The following Joint 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 second quarter 2006.

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)(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.

Major Events

On July 28, 2006 Penelec and Met-Ed submitted formal Request(s) for Exclusion of Major Outage for Reliability Reporting Purposes to the Pennsylvania Public Utility Commission. The following table provides a summary of the information with respect to these event(s), which are pending a ruling from the Commission:

FirstEnergy Company	Customers Affected	Major Event		Customer Minutes	Description	Commission Approval Status
Penelec	16,494	Duration	95 hours, 44 minutes	4,360,878	PEMA / FEMA Declared Major Disaster Emergency for Affected Areas as a Result of Storms, Lightning, Heavy Rain, and Severe Flooding.	Pending Commission Approval - Submitted to PaPUC on 7/28/06
		Start Date/Time	6/27/06 1:08 a.m.			
		End Date/Time	7/1/06 12:24 a.m.			
Met-Ed	37,487	Duration	194 hours, 18 minutes	7,414,814	PEMA / FEMA Declared Major Disaster Emergency for Affected Areas as a Result of Storms, Lightning, Heavy Rain, and Severe Flooding.	Pending Commission Approval - Submitted to PaPUC on 7/28/06
		Start Date/Time	6/25/06 1:15 p.m.			
		End Date/Time	7/3/06 3:33 p.m.			

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

All Three Companies Show Improvement over 1st Quarter 2006

The 12-month rolling Reliability Performance Indices through June 2006 reflect an improvement in each Company's indices, with exception of Met-Ed's SAIFI/SAIDI as compared with the 12-month rolling data through March 2006.

2Q 2006	Penn Power			Penelec			Met-Ed		
	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual	Benchmark	12-Month Standard	12-Month Actual
SAIFI	1.12	1.34	1.50	1.26	1.52	1.79	1.15	1.38	1.79
CAIDI	101	121	136	117	141	138	117	140	116
SAIDI	113	162	204	148	213	247	135	194	208
Customers Served ^(a)	157,677			591,568			530,082		
Number of Sustained Interruptions	3,502			13,068			9,516		
Customers Affected	236,556			1,061,607			948,529		
Customer Minutes	32,220,299			146,490,043			110,514,673		

^(a) Customers served is based on connectivity in FirstEnergy's Outage Management System ("OMS").

On July 28, 2006 Penelec and Met-Ed submitted major event exclusion requests to the Pennsylvania Public Utility Commission for events that began occurring at the end of June. The following table illustrates the impact of these events on the Penelec and Met-Ed reliability indices. Met-Ed's revised 12-month actual SAIDI shown below is less than the SAIDI reported in the 1st Quarter reliability report.

2Q 2006	Penelec	Met-Ed
	Revised 12-Month Actual	Revised 12-Month Actual
SAIFI	1.76	1.73
CAIDI	136	113
SAIDI	240	195

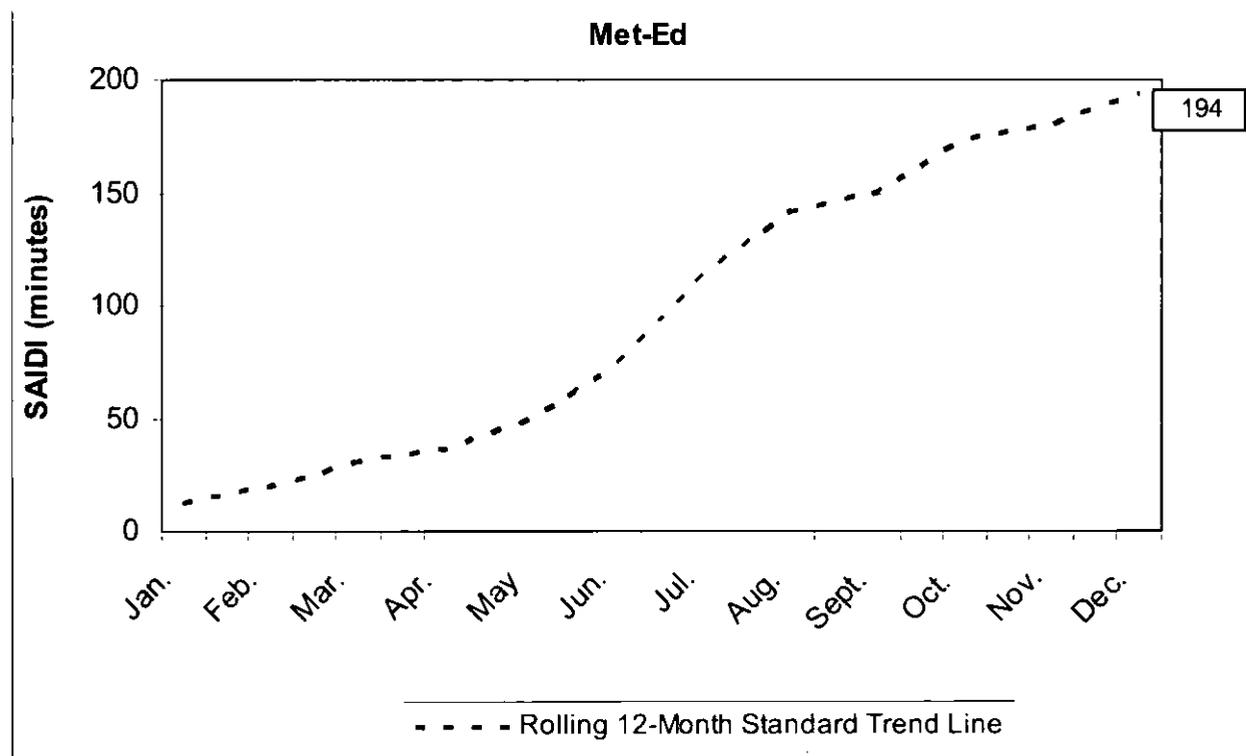
SAIDI Trend Charts

The Companies' year-to-date SAIDI and SAIFI values increase throughout the year and can be plotted on a periodic basis to determine how each company is performing in comparison to prior years, or in comparison to a desired trend line. This plot provides a much-enhanced visualization of the progress the Companies are making in comparison to reviewing tabular lists of index values and targets.

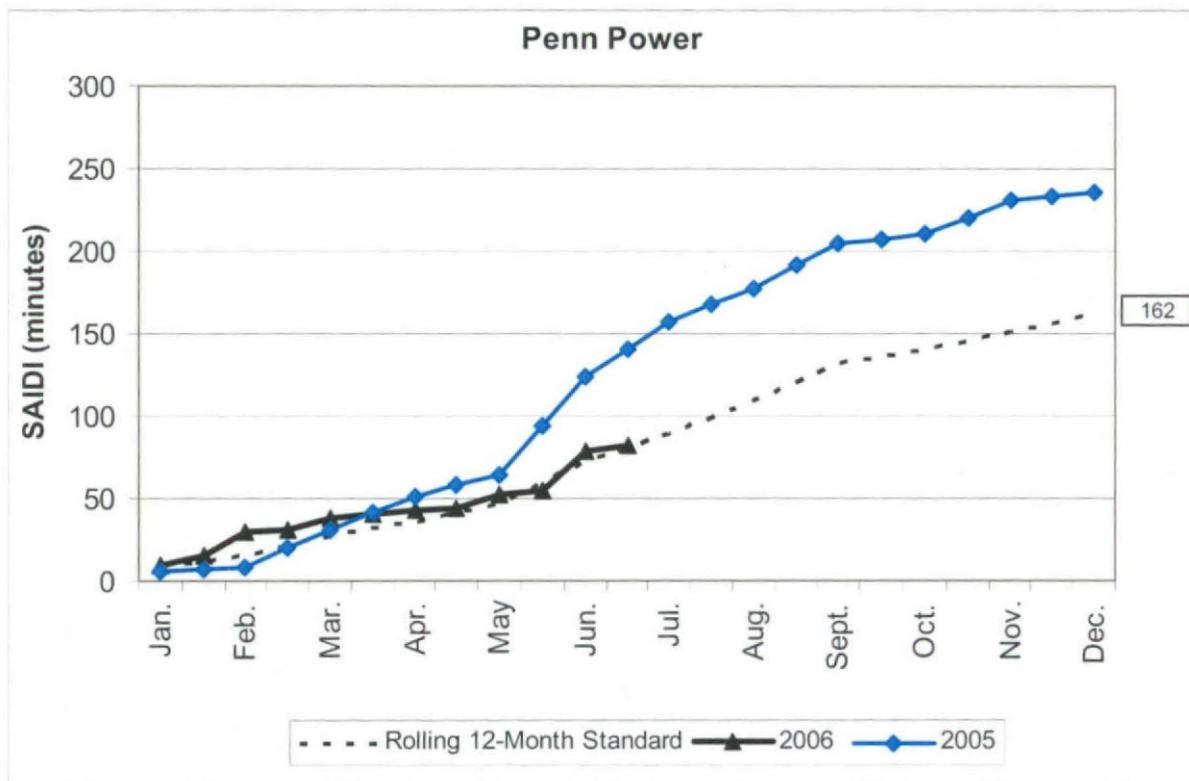
The Companies have trended year-to-date SAIDI for 2006, as shown below, such that each Company's performance can be readily compared to both SAIDI performance from the previous year, as well as the Commission's Rolling 12-Month Standard.

Normalized Trend

The normalized trend line is a slight modification to a straight-line trend, taking into consideration the three-year historical performance of each Company, with higher SAIDI accumulation (customer minutes of interruption) during the summer storm months, and lower SAIDI accumulation in the winter months. For example, Met-Ed's 3-year historical performance indicates the Company would expect to accumulate more SAIDI in June through August (approximately 30 minutes per month) than in November through December (approximately 10 minutes per month). As shown in the Met-Ed chart below, the Commission's 12-Month Rolling Standard of 194 is plotted using this normalized trending approach.

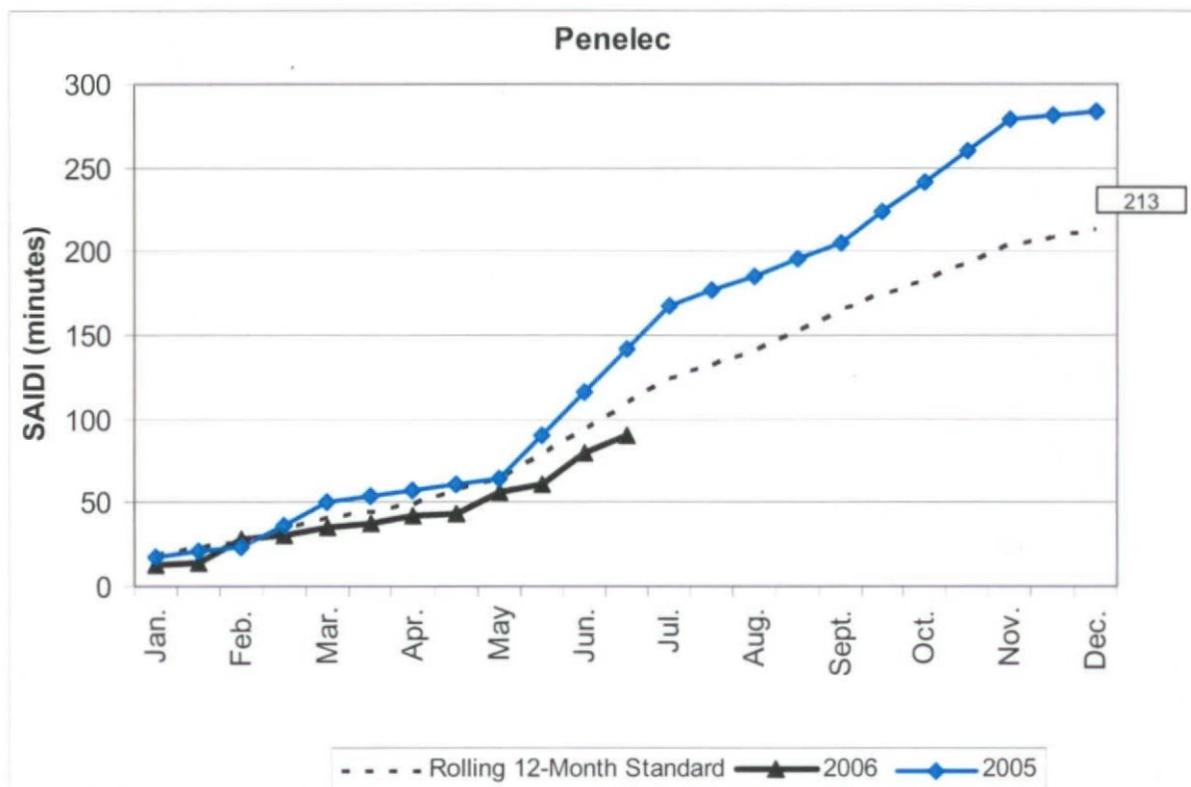


Penn Power



Penn Power’s year-to-date SAIDI performance is on target with the 3-year normalized standard trend line, based on the Commission’s Rolling 12-Month Standard for SAIDI of 162 at year-end 2006. Penn Power is 59.2 minutes better than the 2005 actual trend line. The increases in the 2006 actual line in February and June reflect the impact of non-excludable weather events in the service territory.

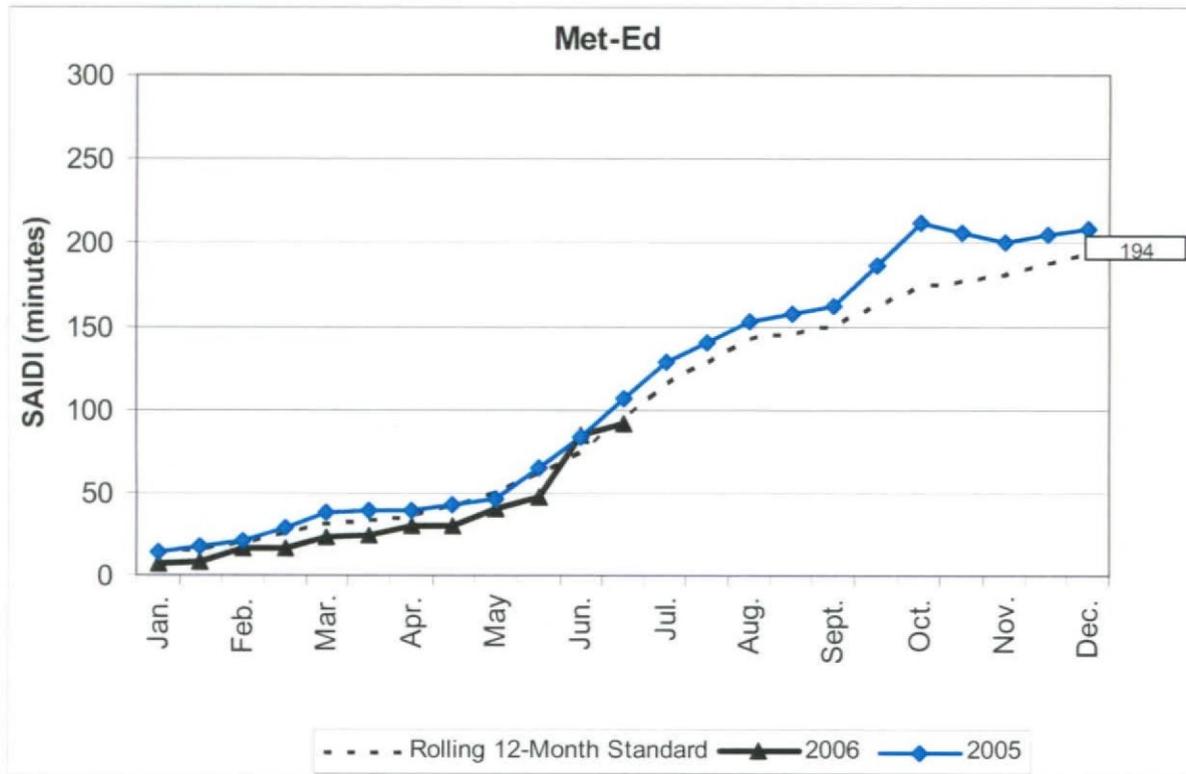
Penelec



Penelec's year-to-date SAIDI performance is better than the targeted 3-year normalized standard trend line by 18.8 minutes and better than 2005 actual by 51.3 minutes. This year-to-date performance positions Penelec to come in better than the Commission's Rolling 12-Month Standard for SAIDI of 213 at year-end 2006.

A Request for Exclusion of Major Outage for Reliability Reporting Purposes (see § 57.195(e)(1) for details) was submitted to the Commission on July 28. If approved, this request would result in a 7.4 minute improvement in Penelec's year-to-date position. The graph above does not reflect the impact of the Major Event, which is pending Commission approval.

Met-Ed



Met-Ed’s year-to-date SAIDI performance is slightly better than the targeted 3-year normalized standard trend line by 2.3 minutes and 14.3 minutes better than the 2005 actual trend line. Based on prior years’ experience, Met-Ed is on target to achieve the Commission’s Rolling 12-Month Standard for SAIDI of 194 at year-end 2006.

The sudden increase in the 2006 trend line in June reflects the impact of weather events late in that month for which a Request for Exclusion of Major Outage for Reliability Reporting Purposes (see § 57.195(e)(1) for details) was submitted to the Commission on July 28. If approved, this request would result in a 14.0 minute improvement in Met-Ed’s year-to-date position. The graph above does not reflect the impact of the Major Event, which is pending Commission approval.

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 Circuit - Reliability Indices

The Companies have developed an improved approach to a more targeted and focused analysis, ensuring that efforts are directed toward drivers of performance requiring improvement as discussed in the Companies' 2005 Annual Service Reliability Report (pp.11-13). This approach involves breaking down the components of system performance and identifying system improvements that will positively impact reliability performance as seen by the customer. Outage cause codes recorded in FirstEnergy's OMS are discernible by power supply components to allow for a more focused and distinct analysis of each of the following areas: Transmission, Substation, and Distribution. Consequently, beginning in 2006, distribution circuits will be ranked based on SAIDI contribution to the overall Company SAIDI (customer minutes).

Penn Power 5% Worst Performing Circuits:

Circuit Rank	Substation	Circuit Desc	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact Rank (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	Hartstown	W-126	2,198	101	0	1,164,833	5,825	7.39	530	2.65	200	1.94
2	Stoneboro	W-130	1,679	89	0	901,606	2,860	5.72	537	1.70	315	2.29
3	Conneaut	W-173	1,949	39	0	857,766	4,112	5.44	440	2.11	208	4.12
4	Camp Reynolds	W-134	1,924	80	1	839,949	4,161	5.33	437	2.16	201	0.19
5	Canal	W-102	1,576	46	1	711,458	2,918	4.51	451	1.85	243	0.18
6	Seneca	W-700	1,281	40	1	629,869	5,583	3.99	492	4.36	112	3.98
7	Hadley	W-195	1,016	54	0	595,797	2,491	3.78	586	2.45	239	1.37
8	Perry	W-156	1,050	72	0	585,000	1,961	3.71	557	1.87	298	1.32

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

Penelec 5% Worst Performing Circuits:

Circuit Rank	Substation	Circuit Desc	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact Rank (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	Fairview East	00242-34	1,318	47	0	3,706,980	8,822	6.27	2,813	6.69	420	14.81
2	Philipsburg	00162-22	3,281	88	0	2,663,695	5,794	4.50	812	1.77	459	9.23
3	Philipsburg	00164-22	2,344	63	3	2,193,875	15,086	3.71	936	6.44	145	20.89
4	Union City	00206-43	3,978	124	1	2,119,323	11,784	3.58	533	2.96	179	22.01
5	Crown	00319-51	1,330	63	2	1,964,940	6,593	3.32	1,477	4.96	298	7.95
6	Grover	00527-63	1,168	88	1	1,653,729	8,309	2.80	1,416	7.11	199	6.64
7	Boyer	00583-31	1,561	29	1	1,642,221	7,120	2.78	1,052	4.56	230	0.54
8	Warren South	00220-41	3,088	101	0	1,469,508	10,788	2.48	476	3.49	136	0.73
9	Hammitt	00502-31	1,569	52	2	1,423,931	6,277	2.41	908	4.00	226	24.48
10	Lewis Run	00408-42	1,215	28	3	1,355,110	5,452	2.29	1,115	4.49	248	10.51
11	Hammitt	00504-31	1,333	42	5	1,305,928	10,716	2.21	980	8.04	121	5.30
12	McKean	00411-34	1,061	46	1	1,273,271	5,052	2.15	1,200	4.76	252	6.86
13	Philipsburg	00149-22	1,007	30	2	1,184,442	3,169	2.00	1,176	3.15	373	11.95
14	Rolling Meadows	00310-31	3,230	36	1	1,154,374	10,533	1.95	357	3.26	109	4.01
15	Powell Ave	00513-31	1,855	34	3	1,142,724	7,933	1.93	616	4.28	144	1.00
16	Boyer	00584-31	1,746	24	2	1,067,386	3,917	1.80	611	2.24	272	0.00
17	Tionesta SW St	00498-51	1,121	54	0	1,064,651	6,079	1.80	950	5.42	175	10.56
18	Madera	00166-22	2,248	67	3	1,056,028	6,384	1.79	470	2.84	165	23.14
19	Erie South	00259-31	2,376	48	0	1,015,296	7,247	1.72	427	3.05	140	22.87
20	Church	00427-34	787	44	2	955,198	5,059	1.61	1,214	6.43	188	5.98
21	Tiffany	00440-65	1,225	29	0	951,292	1,763	1.61	777	1.44	539	19.35
22	Springboro	00237-52	3,101	79	0	915,305	10,100	1.55	295	3.26	90	12.55
23	Russell Hill	00282-65	1,067	40	0	864,039	2,327	1.46	810	2.18	371	12.30
24	Knox	00323-51	1,343	54	1	843,644	4,275	1.43	628	3.18	197	41.28
25	Dubois	00137-23	2,763	79	1	836,772	7,453	1.41	303	2.70	112	22.05
26	Erie East	00234-31	1,937	70	1	791,325	4,254	1.34	409	2.20	186	12.90
27	Madera	00167-22	1,669	35	5	715,578	4,512	1.21	429	2.70	158	8.73
28	Page Road	00445-43	634	43	2	687,196	2,743	1.16	1,084	4.33	250	22.70
29	Morgan Street	00240-52	1,392	21	2	681,560	4,764	1.15	490	3.42	143	9.50
30	Mercer Pike	00474-52	472	37	0	681,034	1,968	1.15	1,443	4.17	346	2.91
31	Madera	00147-22	1,066	41	2	663,615	2,986	1.12	623	2.80	222	7.66
32	Columbia Crossroads	00763-63	548	30	2	655,871	2,677	1.11	1,197	4.89	245	11.41
33	Central Erie	00232-31	798	2	0	636,906	452	1.08	798	0.57	1409	0.99
34	Fairview East	00216-34	570	14	4	627,262	2,365	1.06	1,100	4.15	265	2.91
35	Shawville	00153-21	1,140	36	1	610,496	3,764	1.03	536	3.30	162	6.08
36	Samual Rea Car Shop	00031-71	2,325	37	1	587,035	5,052	0.99	252	2.17	116	7.04
37	Rachel Hill	00049-11	2,281	28	1	573,923	3,880	0.97	252	1.70	147	14.00
38	Fairview Erie	00422-34	1,023	21	0	573,244	1,622	0.97	560	1.59	353	2.00
39	Brookville West	00121-23	783	33	1	566,947	2,494	0.96	724	3.19	227	8.72
40	Lake Como	00787-65	999	50	1	562,079	2,998	0.95	563	3.00	187	56.20
41	East Pike	00095-13	3,500	29	0	549,246	4,160	0.93	157	1.19	132	3.31
42	Bellwood North	00635-22	1,133	34	2	533,990	5,368	0.90	471	4.74	99	5.00
43	Somerset	00013-12	1,988	50	0	530,250	3,178	0.90	267	1.60	166	26.21
44	Emlenton	00322-51	465	13	1	526,997	1,170	0.89	1,133	2.52	450	5.73
45	Riverside	00150-81	1,185	34	2	514,986	5,936	0.87	435	5.01	86	10.98
46	Northeast	00592-31	1,562	52	1	514,660	3,101	0.87	329	1.99	165	4.32
47	Fairview East	00218-34	1,028	13	1	513,752	1,341	0.87	500	1.30	383	4.93

Penelec 5% Worst Performing Circuits:

Circuit Rank	Substation	Circuit Desc	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact Rank (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
48	Falls	00297-65	837	19	0	513,517	1,359	0.87	614	1.62	377	2.01
49	Church	00426-34	682	24	1	513,178	1,076	0.87	752	1.58	476	14.17
50	Morgan Street	00479-52	1,457	4	2	508,268	3,730	0.86	349	2.56	136	1.00
51	Somerset	00016-12	1,321	48	0	507,049	3,679	0.86	384	2.79	137	15.09
52	Pennmar	00002-12	934	27	0	504,828	3,909	0.85	541	4.19	129	17.97
53	Division Street	00561-31	373	3	1	504,265	588	0.85	1,352	1.58	857	0.00
54	Tyrone North	00944-22	1,112	30	0	466,692	3,988	0.79	420	3.59	117	3.03
55	Edinboro	00420-34	1,908	40	0	463,154	4,958	0.78	243	2.60	93	2.62
56	Albion	00416-34	744	16	3	461,849	2,409	0.78	621	3.24	191	3.99
57	Fallen Timbers	00693-22	518	18	2	455,545	1,180	0.77	879	2.28	386	16.98
58	Ralphton	00015-12	1,167	61	2	455,323	6,184	0.77	390	5.30	73	20.14
59	Shelocta	00102-13	1,129	28	1	448,719	3,392	0.76	397	3.00	132	24.14

- (1) Average Customers served by the circuit for the 12-month period.
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Met-Ed 5% Worst Performing Circuits:

Circuit Rank	Substation	Circuit Desc	Average Customers (1)	Outages (2)	Lockouts (3)	Customer Minutes (4)	Customers Affected (5)	SAIDI Impact Rank (6)	SAIDI (7)	SAIFI (7)	CAIDI (7)	MAIFI (7)
1	Fox Hill	00816-3	3,649	66	4	2,263,013	18,416	4.27	620	5.05	123	2.18
2	Shawnee	00860-3	3,071	47	2	1,975,937	17,767	3.73	643	5.79	111	2.13
3	Shawnee	00895-3	3,274	63	2	1,895,907	11,690	3.58	579	3.57	162	2.69
4	Mountain	00744-4	1,800	47	2	1,662,120	6,421	3.14	923	3.57	259	5.12
5	N Bangor	00826-3	2,969	81	2	1,606,346	8,924	3.03	541	3.01	180	3.56
6	Birchwood	00622-3	1,706	75	1	1,463,940	8,475	2.76	858	4.97	173	6.02
7	Bernville	00786-1	1,839	64	2	1,396,714	9,284	2.63	760	5.05	150	2.77
8	Shawnee	00837-3	1,194	48	2	1,323,852	7,402	2.50	1,109	5.89	188	9.18
9	Shawnee	00899-3	2,264	62	0	1,162,819	3,613	2.19	514	1.60	322	13.18
10	Hill	00737-4	2,062	38	2	1,131,386	8,295	2.13	549	4.02	136	5.85
11	Birchwood	00623-3	2,081	60	1	1,110,853	7,289	2.10	534	3.50	152	9.33
12	Newberry	00576-4	2,269	118	2	959,935	6,204	1.81	423	2.72	155	23.51
13	Bath	00873-3	2,079	26	2	892,079	6,634	1.68	429	2.74	156	4.47
14	W Boyertown	00715-1	1,697	43	5	882,691	9,313	1.67	520	5.49	95	1.00
15	Carsonia	00764-1	2,844	34	2	860,174	6,928	1.62	302	2.44	124	1.70
16	Barto	00705-1	1,789	76	1	852,338	7,624	1.61	476	4.26	112	1.30
17	E Topton	00724-1	1,389	35	1	847,423	3,962	1.60	610	2.85	214	7.21
18	Northwood	00643-3	1,413	19	4	780,995	4,941	1.47	553	3.50	158	12.15
19	S Hamburg	00745-1	1,944	9	1	741,326	6,226	1.40	381	3.20	119	3.00
20	Mountain	00740-4	2,329	53	0	724,757	3,924	1.37	311	1.68	186	6.46
21	Barto	00706-1	2,386	88	2	708,882	6,712	1.34	297	2.81	106	2.25
22	Birdsboro	00756-1	1,369	59	1	675,889	4,775	1.28	494	3.49	142	7.26
23	Ringling Rocks	00708-1	2,111	50	1	672,084	3,315	1.27	318	1.57	203	1.05
24	Ottsville	00661-3	659	43	2	647,783	2,250	1.22	983	3.41	288	1.00
25	S Nazareth	00809-3	2,576	32	2	633,248	4,827	1.19	246	1.87	131	1.97
26	Birdsboro	00760-1	2,188	23	1	617,506	3,249	1.16	282	1.48	190	0.00
27	N Bangor	00813-3	1,195	31	0	609,995	2,491	1.15	510	2.08	245	6.51
28	Dillsburg	00748-4	1,705	58	3	561,048	6,573	1.06	329	3.86	85	3.32
29	Bern Church	00789-1	1,401	55	0	560,730	2,604	1.06	400	1.86	215	2.58
30	McKnights Gap	00774-1	1,422	11	0	550,242	1,473	1.04	387	1.04	374	2.15
31	South Lebanon	00780-2	1,056	34	3	544,981	3,998	1.03	516	3.79	136	4.37
32	Flying Hills	00776-1	1,443	23	0	542,006	2,091	1.02	376	1.45	259	2.39
33	Lickdale	00625-2	964	45	2	536,098	2,704	1.01	556	2.80	198	3.98
34	Mountain	00743-4	1,050	46	0	534,995	2,155	1.01	510	2.05	248	2.11
35	Allen	00503-4	1,892	78	0	519,912	3,138	0.98	275	1.55	178	12.57
36	Campbelltown	00731-2	2,107	52	0	512,726	2,471	0.97	243	1.17	208	13.02

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

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 Circuit – Remedial Action

Penn Power– Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
1	Hartstown	W-126	<i>Performance driven by non-preventable tree outages and two outages downstream of a recloser station. The recloser outages were caused by one line failure and one vehicle accident.</i>			
			Field review of the section of circuit protected by the recloser station to improve reliability and repair of damage to line caused by non-preventable tree.	Complete	May-06	
			Reliability improvement work for recloser location.	To be completed by end of 3Q 2006.		
			Complete comprehensive tree clearing in 2006	In progress.		
2	Stoneboro	W-130	<i>Performance driven by two long duration outages effecting one recloser station.</i>			
			Field review of the section of circuit protected by the recloser station to improve reliability.	Complete	May-06	
			Reliability improvement work for recloser location.	To be completed by end of 3Q 2006.		
3	Conneaut	W-173	<i>Performance driven by non-preventable tree conditions and unknown outages effecting a recloser station.</i>			
			Repaired damage to line caused by non-preventable tree and completed comprehensive tree clearing in 2006.	Complete	Jul-06	
			Two circuit protection jobs were prepared to improve reliability for this circuit.	Complete	Aug-05	
4	Camp Reynolds	W-134	<i>Performance driven by 1 one long-duration line failure outage.</i>			
			Review circuit protection and complete 13 reliability improvement jobs at various recloser and fuse locations.	Complete	Jun-06	
5	Canal	W-102	<i>Performance driven by a long duration non-preventable tree caused outage during a storm and a long duration vehicle accident caused outage.</i>			
			Three circuit fuses to be reviewed for reliability improvement.	Field review completed 3Q 2005. Line work completed at one location 2Q 2006. Other two jobs to be completed 3Q 2006.		
6	Seneca	W-700	<i>Performance driven by two vehicle accidents to a large number of customers and a circuit lockout due to a non-preventable tree caused outage during a windstorm. One accident was near the substation and the other was near a recloser station.</i>			
			Complete comprehensive tree clearing in 2006	Complete	Feb-06	
			Field review of the section of circuit protected by the recloser station to improve reliability.	Field review of recloser station to be completed by end of 3Q 2006.		
			Review two circuit fuses and one recloser location for reliability improvement.	Field review to be completed by end of 3Q 2006		

Penn Power– Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
7	Hadley	W-195	<i>Performance driven by two long duration outages attributable to line failure at one location and several non-preventable tree outages at various locations in September 2005.</i>		
			Field review of the line failure location for potential reliability improvement.	Field review to be completed by end of 3Q 2006.	
			Complete three circuit protection jobs to improve reliability for the circuit.	Line work to be completed by end of 4Q 2006.	
8	Perry	W-156	<i>Performance driven by one very long duration outage when non-preventable trees fell onto the distribution line and one outage caused by a line failure.</i>		
			Complete reliability improvement work on the main feed and at two fuse locations.	Complete	Jun-06
			Complete reliability improvement work at five fuse locations.	Line work to be completed by end of 4Q 2006.	

Penelec– Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
1	Fairview East	00242-34	<i>Performance was driven by a minor storm and non-preventable trees caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	Jul-05
			Engineering Circuit Coordination Review	Complete	Feb-06
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06
			Install reclosers	Complete	May-06
2	Philipsburg	00162-22	<i>Performance was driven by outages caused by crossarm failure and non-preventable trees.</i>		
			Repaired damage to line caused by non-preventable tree and replacement of crossarms.	Complete	Mar-06
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06
			Engineering Circuit Coordination Review	Complete	Apr-06
			Install reclosers	Complete	Apr-06
			Install Radio Controlled Switches	Complete	Mar-06
3	Philipsburg	00164-22	<i>Performance was driven by outages caused by non-preventable trees.</i>		
			Repaired damage to line caused by non-preventable tree	Complete	Mar-06
			Engineering Circuit Coordination Review	Complete	Dec-05
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06
			Replace deteriorated poles	Complete	Apr-06
4	Union City Sub	00206-43	<i>Performance was driven by outages caused by minor storms and non-preventable tree caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	Mar-06
			Install reclosers	Complete	Dec-05
			Reviewed tree conditions and completed trimming identified	Complete	Apr-06
			Engineering Circuit Coordination Review	Complete	Mar-06
5	Crown	00319-51	<i>Performance was driven by failed conductor and non-preventable tree caused.</i>		
			Repaired damage to line caused by non-preventable tree and repaired conductor	Complete	Jun-06
			Engineering Circuit Coordination Review	Complete	Jan-06
			Install reclosers	To Be Completed 4Q 2006	
			Install main line tap fuses.	To Be Completed 4Q 2006	

Pencilcc- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
6	Grover	00527-63	<i>Performance was driven by minor storm damage and outages due to non-preventable trees and equipment failures.</i>			
			Completed minor storm and repaired damage to line caused by non-preventable tree and replaced equipment.	Complete	Jun-06	
			Engineering Circuit Coordination Review	Complete	Dec-05	
			Install main line tap fuses	Complete	Dec-05	
			Install reclosers	Complete	Dec-05	
			Replace deteriorated poles & insulators	Complete	Dec-05	
			Reviewed tree conditions and completed trimming identified	To Be Completed	Jul-06	
			Install Switch	To Be Completed 4Q 2006		
			Install Radio Control on Switch	To Be Completed 2007		
7	Boyer	00583-31	<i>Performance was driven by equipment failures and non-preventable trass caused damage.</i>			
			Repaired damage to line caused by non-preventable tree and replaced equipment.	Complete	Jun-06	
			Engineering Circuit Coordination Review	Complete	Dec-05	
			Install Reclosers	Complete	Dec-05	
8	Warren South	00220-41	<i>Performance was driven by failed insulators and cutouts and non-preventable tree caused outages.</i>			
			Repaired damage to line caused by non-preventable tree and replacement of failed insulators and cutouts.	Complete	Mar-06	
			Engineering Circuit Coordination Review	Complete	Mar-06	
			Install reclosers	To Be Completed 4Q 2006		
			Install main line tap fuses.	Complete	Apr-06	
			Reviewed tree conditions and completed trimming identified	Complete	Apr-06	
9	Hammett	00502-31	<i>Performance was driven by minor storm damage, broken crossarms & failed primary conductor.</i>			
			Completed minor storm damage repairs and replaced broken crossarms & failed primary conductor.	Complete	Dec-05	
			Engineering Circuit Coordination Review	Complete	Jan-06	
			Install main line tap fuses.	To Be Completed 4Q 2006		
			Install reclosers	To Be Completed 4Q 2006		
			Reviewed tree conditions and completed trimming identified	Complete	Jun-06	
10	Lewis Run	00408-42	<i>Performance was driven by non-preventable tree caused damage and failed cutouts.</i>			
			Repaired damage to line caused by non-preventable tree and replaced failed cutouts.	Complete	Sep-05	
			Engineering Circuit Coordination Review	Complete	Mar-06	
			Reviewed tree conditions and completed trimming identified	Complete	Dec-05	
			Install Reclosers	Complete	Mar-06	
			Install main line tap fuses.	Complete	Mar-06	

Penelec- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
11	Hammett	00504-31	<i>Performance was driven by minor storm damage; broken crossarms and non-preventable tree caused damage.</i>			
			Completed minor storm and repaired damage to line caused by non-preventable tree and replaced broken crossarms.	Complete	Feb-06	
			Engineering Circuit Coordination Review	Complete	Jan-06	
			Reviewed tree conditions and completed trimming identified	Complete	Jun-06	
			Install Reclosers	To Be Completed 4Q 2006		
12	McKean	00411-34	<i>Performance was driven by minor storm and non-preventable tree caused damage and broken crossarms and failed primary conductor.</i>			
			Completed minor storm and repaired damage to line caused by non-preventable tree and replaced broken crossarms and failed conductor.	Complete	Aug-05	
			Engineering Circuit Coordination Review	Complete	Mar-06	
			Install reclosers	To Be Completed 4Q 2006		
13	Philipsburg	00149-22	<i>Performance was driven by outages caused by non-preventable trees</i>			
			Repaired damage to line caused by non-preventable tree	Complete	Jun-06	
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06	
			Engineering Circuit Coordination Review	To Be Completed 3Q 2006		
			Install Reclosers	To Be Completed 4Q 2006		
			Install Switch	To Be Completed 3Q 2006		
			Install Radio Control on Switch	To Be Completed 2007		
14	Rolling Meadows	00310-31	<i>Performance was driven by two failed UG cable events.</i>			
			Completed the repair of two failed UG cables.	Complete	Sep-05	
			Replace failed UG cable	To Be Completed 3Q 2006		
15	Powell Ave	00513-31	Engineering Circuit Coordination Review	Complete	Mar-06	
			Repaired line and transformer failures	Complete	Jul-06	
			Install Reclosers	Complete	Mar-06	
			Reviewed tree conditions and completed trimming identified	Complete	Jan-06	
16	Boyer	00584-31	<i>Performance was driven by minor storm and vehicle caused damage and failed UG primary cable.</i>			
			Completed minor storm and vehicle caused damage repairs and repaired UG primary cable.	Complete	Jul-05	
			Engineering Circuit Coordination Review	Complete	Feb-06	
			Install main line tap fuses.	To Be Completed 4Q 2006		
			Install Reclosers	To Be Completed 4Q 2006		

Penelec- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
17	Tionesta SW St	00498-51	<i>Performance was driven by minor storm damage, failed conductor and cutouts and non-preventable tree caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree and repaired conductor and replaced cutouts.	Complete	Jul-05
			Engineering Circuit Coordination Review	Complete	Feb-06
			Install main line tap fuses	To Be Completed 4Q 2006	
			Install reclosers	To Be Completed 4Q 2006	
			Reviewed tree conditions and completed trimming identified	Complete	Apr-06
18	Madera	00166-22	<i>Performance was driven by outages caused by conductor failure and non-preventable trees.</i>		
			Repaired damage to line caused by non-preventable tree and repaired conductor.	Complete	Mar-06
			Engineering Circuit Coordination Review	Complete	Nov-05
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06
			Install main line tap fuses	Complete	Mar-06
			Install Reclosers	Complete	Mar-06
			Install Radio Controlled Switches	Complete	Apr-06
19	Erie South	00259-31	<i>Performance was driven by minor storm damage and a failed transformer step bank.</i>		
			Completed minor storm damage repairs and replaced failed transformer step bank.	Complete	Sep-05
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06
			Reconductor / Convert 4 KV to 12kv	To Be Completed 4Q 2006	
			Install reclosers	Complete	Jun-06
Engineering Circuit Coordination Review	Complete	Mar-06			
20	Church	00427-34	<i>Performance was driven by minor storm and non-preventable tree caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	Aug-05
			Engineering Circuit Coordination Review	Complete	Jan-06
			Replace failed substation recloser	Complete	Mar-06
			Install main line tap fuses	To Be Completed 4Q 2006	
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06
21	Tiffany	00440-65	<i>Performance was driven by minor storm flooding</i>		
			Restored services after flood water subsided.	Complete	Jun-06

Penelec- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
22	Springboro	00237-52	<i>Performance was driven by minor storm and vehicle caused damage.</i>		
			Completed minor storm and vehicle caused damage repairs	Complete	Sep-05
			Engineering Circuit Coordination Review	Complete	Oct-05
			Install main line tap fuses	Complete	Dec-05
			Install reclosers	Complete	Feb-06
			Reviewed tree conditions and completed trimming identified	Complete	Jun-06
23	Russell Hill	00282-65	<i>Performance was driven by minor storm and non-preventable tree caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	Jul-05
			Engineering Circuit Coordination Review	Complete	Dec-05
			Install main line tap fuses	Complete	Dec-05
			Install reclosers	Complete	Dec-05
24	Knox	00323-51	<i>Performance was driven by minor storm damage, failed cutouts and non-preventable tree caused outages.</i>		
			Repaired minor storm damage and damage to line caused by non-preventable tree and replaced failed cutouts.	Complete	Sep-05
			Engineering Circuit Coordination Review	Complete	Dec-05
			Install main line tap fuses	Complete	Dec-05
			Install reclosers	Complete	Dec-05
			Replace deteriorated poles & insulators	Complete	Dec-05
25	Dubois	00137-23	<i>Performance was driven by non-preventable tree and lightning caused damage, and cutout and arrester failures</i>		
			Repaired damage to line caused by non-preventable tree and lightning damage and replaced cutout and arrester.	Complete	Mar-06
			Engineering Circuit Coordination Review	Complete	Apr-06
			Install main line tap fuses	To Be Completed 3Q 2006	
26	Erie East	00234-31	<i>Performance was driven by minor storm and non-preventable tree caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	Jul-05
			Engineering Circuit Coordination Review	Complete	Mar-06
			Reviewed tree conditions and completed trimming identified	Complete	Jun-06
			Install reclosers	To Be Completed 4Q 2006	
			Install main line tap fuses	To Be Completed 4Q 2006	

Penelec- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
27	Madera	00167-22	<i>Performance was driven by failed conductor and insulators and non-preventable tree caused damage.</i>			
			Repaired damage to line caused by non-preventable tree and failed conductor repairs and replaced insulators.	Complete	Mar-06	
			Install Radio Controlled Switch	Complete	Nov-05	
			Engineering Circuit Coordination Review	To Be Completed 3Q 2006		
			Install reclosers	Complete	Mar-06	
			Install main line tap fuses	To Be Completed 4Q 2006		
28	Page Road	00445-43	<i>Performance was driven by non-preventable tree caused damage & minor storms.</i>			
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	Sep-05	
			Engineering Circuit Coordination Review	Complete	Feb-06	
			Install main line tap fuses	Complete	Jun-06	
			Install reclosers	Complete	Jun-06	
Reviewed tree conditions and completed trimming identified.	Complete	Mar-06				
29	Morgan Street	00240-52	<i>Performance was driven by non-preventable tree caused damage.</i>			
			Repaired damage to line caused by non-preventable tree	Complete	Feb-06	
			Engineering Circuit Coordination Review	Complete	Mar-06	
			Install reclosers	Complete	Jun-06	
30	Mercer Pike	00474-52	<i>Performance was driven by minor storm caused damage</i>			
			Completed minor storm damage repairs	Complete	Jul-05	
			Engineering Circuit Coordination Review	Complete	Sep-05	
			Install reclosers	Complete	Oct-05	
			Install main line tap fuses	Complete	Oct-05	
			Replace deteriorated poles	Complete	Oct-05	
Reviewed tree conditions and completed trimming identified	Complete	Jun-06				
31	Madera	00147-22	<i>Performance was driven by a failed insulator and non-preventable tree caused damage.</i>			
			Repaired damage to line caused by non-preventable tree and replaced failed insulator.	Complete	Mar-06	
			Engineering Circuit Coordination Review	To Be Completed 3Q 2006		
			Install reclosers	To Be Completed 4Q 2006		
			Install main line tap fuses	To Be Completed 4Q 2006		
32	Columbia Crossroads	00763-63	<i>Performance was driven by blown fuses, vehicle caused damage and failed insulators.</i>			
			Completed vehicle caused damage repairs replaced fuses and insulators.	Complete	Oct-05	
			Circuit Patrol	Complete	Nov-05	
			Install reclosers	Complete	Dec-05	
			Engineering Circuit Coordination Review	Complete	Mar-06	
Install transformer for back feed capability	To Be Completed 4Q 2006					

Penelec- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
33	Central Erie	00232-31	<i>Performance was driven by loss of supply.</i>		
			Performance was driven by loss of supply – no remedial actions for the distribution system.		
34	Fairview East	00216-34	<i>Performance was driven by minor storm, deteriorated pole and non-preventable tree caused damage.</i>		
			Repaired minor storm damage and repaired damage to line caused by non-preventable tree and replaced deteriorated pole.	Complete	Aug-05
			Engineering Circuit Coordination Review	To Be Completed 4Q 2006	
			Install reclosers	To Be Completed 4Q 2006	
			Install main line tap fuses	To Be Completed 4Q 2006	
			Reviewed tree conditions and completed trimming identified	Complete	Jun-06
35	Shawville	00153-21	<i>Performance was driven by non-preventable tree caused outages.</i>		
			Repaired damage to line caused by non-preventable tree	Complete	Mar-06
			Install Radio Controlled Switch	Complete	Nov-05
			Engineering Circuit Coordination Review	To Be Completed 3Q 2006	
			Install main line tap fuses.	To Be Completed 3Q 2006	
			Install reclosers	To Be Completed 4Q 2006	
36	Samuel Rea Car Shop	00031-71	<i>Performance was driven by failed equipment and animal contact.</i>		
			Installed animal guards.	Complete	Sep-05
37	Rachel Hill	00049-11	<i>Performance was driven by non-preventable tree caused damage and damage resulting from a logger.</i>		
			Repaired damage to line caused by non-preventable tree and damage resulting from a logger.	Complete	Oct-05
			Install reclosers	Complete	Jan-06
			Engineering Circuit Coordination Review	Complete	Mar-06
			Install main line tap fuses	To Be Completed 4Q 2006	
38	Fairview Erie	00422-34	<i>Performance was driven by a loss of supply event and minor storm damage</i>		
			Completed minor storm damage repairs	Complete	Jul-05
			Engineering Circuit Coordination Review	Complete	Mar-06
			Install reclosers	To Be Completed 4Q 2006	
39	Brookville West	00121-23	<i>Performance was driven by vehicle caused damage.</i>		
			Completed vehicle caused damage repairs		May-06
40	Lake Como	00787-65	<i>Performance was driven by non-preventable tree caused damage and a loss of supply event.</i>		
			Repaired damage to line caused by non-preventable tree	Complete	Jul-05
			Engineering Circuit Coordination Review	Complete	Mar-06
41	East Pike	00095-13	<i>Performance was driven by animal contact.</i>		
			Replaced conductor.	Complete	May-06

Penelec- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
42	Bellwood North	00635-22	<i>Performance driven by failed equipment.</i>		
			Replaced insulators and arrestors and installed contacts.	Complete	Jun-06
43	Somerset	00013-12	<i>Performance driven by minor storm</i>		
			Completed minor storm damage repairs	Complete	May-06
44	Emlenton	00322-51	<i>Performance was driven by failed transformers and non-preventable tree caused damage.</i>		
			Repaired damage to line caused by non-preventable tree and replaced transformers.	Complete	Nov-05
			Engineering Circuit Coordination Review	Complete	May-06
			Install main line tap fuses	Complete	Jun-06
			Reviewed tree conditions and completed trimming identified	Complete	Mar-06
45	Riverside	00150-81	<i>Performance was driven by minor storm damage and equipment failure.</i>		
			Completed minor storm damage repairs and replaced conductor and broken pole	Complete	May-06
46	Northeast	00592-31	<i>Performance was driven by minor storm and non-preventable tree caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	Sep-05
			Engineering Circuit Coordination Review	Complete	Mar-06
			Install reclosers	To Be Completed 4Q 2006	
			Install main line tap fuses	To Be Completed 4Q 2006	
			Review tree conditions and complete trimming identified	To Be Completed 3Q 2006	
47	Fairview East	00218-34	<i>Performance was driven by minor storm damage</i>		
			Completed minor storm damage repairs	Complete	Jul-05
			Engineering Circuit Coordination Review	Complete	Mar-06
			Install reclosers	To Be Completed 4Q 2006	
			Install main line tap fuses	To Be Completed 4Q 2006	
48	Falls	00297-65	<i>Performance was driven by minor storm flooding</i>		
			Restored services after flood water subsided.	Complete	Jun-06
49	Church	00426-34	<i>Performance was driven by minor storm damage, failed cutouts and crossarms and non-preventable tree caused damage.</i>		
			Completed minor storm, repaired damage to line caused by non-preventable tree and replaced failed cutouts and crossarms.	Complete	Nov-05
			Engineering Circuit Coordination Review	To Be Completed 4Q 2006	
			Install reclosers	To Be Completed 4Q 2006	
			Install main line tap fuses	To Be Completed 4Q 2006	
50	Morgan Street	00479-52	<i>Performance was driven by failed equipment</i>		
			Replaced cutouts.	Complete	Apr-06
			Engineering Circuit Coordination Review	To Be Completed 1Q 2007	
51	Somerset	00016-12	<i>Performance driven by failed equipment.</i>		
			Replaced cutouts.	Complete	Apr-06

Penelec- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
52	Pennmar	00002-12	<i>Performance was driven by minor storm.</i>		
			Completed minor storm damage repairs	Complete	Jun-06
53	Division Street	00561-31	<i>Performance was driven by failed UG cable.</i>		
			Repaired UG cable.	Complete	Sep-05
			Engineering Circuit Coordination Review	Complete	Mar-06
			Install reclosers	To Be Completed 4Q 2006	
			Install main line tap fuses	To Be Completed 4Q 2006	
54	Tyrone North	00944-22	<i>Performance driven by failed equipment.</i>		
			Replaced UG elbow.	Complete	May-06
55	Edinboro	00420-34	<i>Performance was driven by animal contact and non-preventable tree caused damage.</i>		
			Repaired damage to line caused by non-preventable tree	Complete	Jun-06
			Reviewed tree conditions and completed trimming identified	Complete	Jun-06
			Install animal guards.	To Be Completed 3Q 2006	
56	Albion	00416-34	<i>Performance was driven by non-preventable tree caused damage.</i>		
			Repaired damage to line caused by non-preventable tree	Complete	May-06
			Reviewed tree conditions and completed trimming identified.	Complete	May-06
57	Fallen Timbers	00693-22	<i>Performance was driven by minor storm.</i>		
			Completed minor storm damage repairs.	Complete	Jun-06
58	Ralphton	00015-12	<i>Performance was driven by minor storm and non-preventable tree caused damage.</i>		
			Completed minor storm and repaired damage to line caused by non-preventable tree	Complete	May-06
59	Shelocta	00102-13	<i>Performance was driven by minor storm.</i>		
			Completed minor storm damage repairs	Complete	Apr-06

Met-Ed – Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
1	Fox Hill	00816-3	<i>Equipment failure, line failure, and lightning related outages account for 52% of total customer minutes.</i>			
			Converted 3 areas from 4.8 to 19.9 kV.	Complete	Dec-05	
			Extended 3 phase	Complete	Sep-05	
			Convert 2 areas from 4.8 to 19.9	25% complete - To be completed 1Q 2007		
			Comprehensive Tree Trimming	Complete	Jan-05	
			Installed Recloser	Complete	Nov-05	
			Added additional fusing	Complete	Sep-05	
			Install two 3 phase reclosers in 2006	In construction. To be completed 4Q 2006		
2	Shawnee	00860-3	<i>Equipment failure, car pole accidents, and lightning related outages account for 89% of total customer minutes.</i>			
			Comprehensive tree trimming	Complete	Dec-05	
			Converted 4.8 to 19.9 kV.	Complete	Dec-05	
			Aluminum bell insulators to be replaced on main line.	Complete	Nov-05	
3	Shawnee	00895-3	<i>Lightning, car pole accidents, and tree related outages account for 86% of total customer minutes.</i>			
			Installed Recloser	Complete	Nov-05	
			Extended 3 phase	Complete	Dec-05	
			Added additional fusing	Complete	Apr-06	
4	Mountain	00744-4	<i>Performance driven by trees caused outages.</i>			
			Trimming accelerated one year	To be completed 4Q 2006		
			Line maintenance patrol	To be completed 3Q 2006		
			Install Recloser in 2007	To be completed in 2007		
5	N Bangor	00826-3	<i>Tree and line failure outages account for 69% of total customer minutes.</i>			
			Installed additional fusing	Complete	Nov-05	
			Comprehensive Tree Trimming	To be Completed 4Q 2006		
			Install 3 phase recloser	In Design. To be completed by 4Q 2006		
6	Birchwood	00622-3	<i>Tree, equipment failure, car pole accidents, and overloading outages account for 85% of total customer minutes.</i>			
			Comprehensive Tree Trimming	To be completed in 2007		
			Move customer to new substation	Complete	Sep-05	
			Install larger single phase recloser	Complete	Mar-06	
			Installed additional fusing	Complete	Feb-06	

Met-Ed – Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
7	Bernville	00786-1	<i>7 Outages represent 84% of the total customer minutes. Outage Causes: Patrol with no permanent problem locations identified during inclement weather (3), wires down during storms (2), trees and vehicle accidents</i>			
			Repair Primary Conductor	Complete	Jul-05	
			Comprehensive Tree Trimming	Complete	Oct-05	
			Install Animal Guards	Complete	Mar-06	
			Install Disconnect Switches	Complete	Apr-06	
			Install Fault Indicators	Complete	Apr-06	
			Install Fuse/Bypass Switch	To be completed 3Q 2006		
8	Shawnee	00837-3	<i>Tree, lightning, and equipment failure account for 80% of total customer minutes.</i>			
			Replace trip coil in breaker.	Complete	Aug-05	
			Resagged conductors	Complete	Nov-05	
9	Shawnee	00899-3	<i>Tree and equipment failure related outages account for 92% of total customer minutes.</i>			
			Installed additional fusing	Complete	Nov-05	
			Move customer to new substation	Complete	Sep-05	
10	Hill	00737-4	<i>Performance driven by equipment failure caused by wind and animal contact caused Outages</i>			
			Perform PM Circuit Patrol	Complete	Jun-06	
			Install 9 additional URD ties	To be completed 2Q 2007		
			Install OH fault indicators at 6 locations	Complete	Mar-06	
			Install URD fault indicators	To be completed 4Q 2006		
11	Birchwood	00623-3	<i>4 outages represent 84% of the total customer minutes. Equipment and line failure and animal contact.</i>			
			Install 3 phase recloser	In Construction. To be completed by 4Q 2006		
			Comprehensive Tree Trimming	To be completed 4Q 2006		
			Installed additional fusing	Complete	Feb-06	
12	Newberry	00576-4	<i>Performance driven by trees caused outages.</i>			
			Perform PM Circuit Patrol	Complete	Jul-06	
			Tree Trimming the entire circuit	To be completed 3Q 2006		
			Replace poles identified on the priority list for the circuit.	To be completed 3Q 2006		
			Install two additional reclosers on the circuit	To be completed 3Q 2006		
			Transfer portion of 576 line to 721 line	To be completed 3Q 2006		
			Repair tie switch	To be completed 3Q 2006		
13	Bath	00873-3	<i>4 Outages represent 98% of the total customer minutes. Tree, Car/pole accident, and forced outage due to fire.</i>			
			Install recloser	Complete	Mar-06	
			Full circuit tree trimming	To be completed 4Q 2006		
			Install 2 fused bypass structures	To be completed 3Q 2006		
			Replace deteriorating crossarms	To be completed 3Q 2006		
			Install additional fusing	Complete	Nov-05	

Met-Ed – Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
14	W Boyertown	00715-1	<i>3 outages caused by lightning represent 77% of the total customer minutes</i>			
			Underground Cable Replacement in Brookview Development	Complete	Feb-06	
			Install Lightning Protection at Substation	Complete	Feb-06	
			Install Tap Fuses	Complete	Mar-06	
			Detailed Circuit Patrol	Complete	Mar-06	
			Upgrade Substation Lightning Protection	Complete	Mar-06	
			Install Mainline Recloser	Complete	Apr-06	
			Install Mainline Lightning Protection	Complete	Jun-06	
			Install Mainline Disconnects	Complete	Jun-06	
			15	Carsonia	00764-1	<i>5 outages represent 77% of total customer minutes. Outage causes: forced outage due to vehicle accident, tree and 3 problems in underground residential developments</i>
Install Animal Protection & UG fault Indicators	Complete	Nov-05				
Install Fuse/Bypass Switch	Complete	Jan-06				
Install Fusing	Complete	Jan-06				
Underground Cable Replacement in Elm Street Development	Complete	Mar-06				
Pole Replacement	Complete	Mar-06				
Mainline Switch Upgrades	Complete	Mar-06				
Install Mainline Recloser	To be completed 3Q 2006					
Comprehensive Tree Trimming	To be completed 3Q 2006					
Install Additional Fusing	To be completed 4Q 2006					
16	Barto	00705-1	<i>Tree related outages represent 86% of total customer minutes</i>			
			Fuse Upgrade	Complete	Nov-05	
			Mainline Switch Upgrade	Complete	Jan-06	
			Replace pole	Complete	Jan-06	
			Install Fuse/Bypass Switch	To be completed 4Q 2006		
			Install Animal Protection	To be completed 3Q 2006		
			Install and Upgrade Fusing	To be completed 4Q 2006		
			Spot Tree Trimming	To be completed 4Q 2006		
17	E Tipton	00724-1	<i>3 outages represent 85% of the total customer minutes. Outage causes: Regulators problem broken cutout/arrester, & downed poles in high winds</i>			
			Install additional tap fuses	Complete	Nov-05	
			Detailed Circuit Patrol	Complete	Sep-05	
			Replace Regulator	Complete	Oct-05	
			Install Animal Guards	Complete	Dec-05	
			Replace Lightning Arresters	Complete	Jun-05	
			Replace Cutout & Arrester	Complete	Jan-06	
			Install Disconnect Switches	Complete	Mar-06	
			Install Fuse Indicators	Complete	Mar-06	
			Install Additional Tap Fuses	To be completed 3Q 2006		
			Replace Crossarms	To be completed 3Q 2006		
			Replace additional lightning arresters	To be completed 3Q 2006		
Reconfigure Circuit/Minimize exposure	To be completed 4Q 2006					

Met-Ed – Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
18	Northwood	00643-3	<i>4 outages represent 92% of the total customer minutes. Outage causes: Spacer cable failures and animal contacts.</i>			
			Repaired spacer cable	Complete	May-06	
			Comprehensive Tree Trimming	To be completed 4Q 2006		
			Install additional fusing	To be completed in 2007		
19	S Hamburg	00745-1	<i>2 outages caused by animal contact and lightning in spacer cable represent 98% of the total customer minutes</i>			
			Spacer Cable Repairs	Complete	Sep-05	
			Guy Wire Repairs	Complete	Jan-06	
			Replace Insulator	Complete	Jan-06	
			Replace Fuse Holder	Complete	Jan-06	
			Install Mainline Lightning Protection	Complete	Apr-06	
Install Additional Tap Fuses	To be completed 3Q 2006					
20	Mountain	00740-4	<i>Performance driven by car/pole accident, a broken crossarm and two lightning caused outages.</i>			
			Trimming accelerated one year	To be completed 4Q 2006		
			Line maintenance patrol	To be completed 3Q 2006		
21	Barto	00706-1	<i>3 outages represents 65% of the total customer minutes. Outage causes: Lightning (2) and tree near substation</i>			
			Replace Poles	Complete	Jan-06	
			Replace Group Operated Switch	Complete	Jan-06	
			Inspect Substation Lightning Protection	Complete	May-06	
			Install Animal Guards & Additional Fusing	Complete	Jun-06	
			Upgrade Substation Lightning Protection	To be completed 3Q 2006		
22	Birdsboro	00756-1	<i>3 outages represent 60% of the total customer minutes. Outage causes: equipment problem (pole) and trees (2).</i>			
			Install/Upgrade Fusing	Complete	Jan-06	
			Pole Replacements	Complete	Jan-06	
			Install Animal Guards	Complete	Mar-06	
			Replace Group Operated Switch	Complete	Dec-05	
			Comprehensive Tree Trimming	Complete	Mar-06	
			Install Additional Tap Fuses	To be completed 3Q 2006		
Install Fuse/Bypass Switch	To be completed 3Q 2006					
23	Ringing Rocks	00708-1	<i>1 outage caused by a vehicle accident near substation represented 60% of the total customer minutes</i>			
			Install Additional Tap Fuses	Complete	Aug-05	
			Install Animal Guards	Complete	Mar-06	
			Install Additional Tap Fuses	Complete	Mar-06	
			Install Fault Indicators	Complete	Mar-06	
Replace Recloser	Complete	Mar-06				
24	Ottsville	00661-3	<i>8 outages represent 89% of the total customer minutes, Lightning, Tree and car/pole accident.</i>			
			Comprehensive Tree Trimming	Complete	Dec-05	
			Install 3 phase recloser	To be completed in 2007		
			Install additional disconnect switches	To be completed in 2007		

Met-Ed – Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
25	S Nazareth	00809-3	<i>3 outages represent 82% of the total customer minutes. Lightning, equipment failure and forces outage due to fire.</i>		
			Install additional fusing	Complete	Feb-06
			Install additional fusing	To be completed 4Q 2006	
			Install 2 fused bypass structures	To be completed 3Q 2006	
26	Birdsboro	00760-1	<i>1 outage represents 81% of the total customer minutes. Outage cause: Tree during inclement weather</i>		
			Additional Fuse Upgrades	Complete	Sep-05
			Comprehensive Tree Trimming	Complete	Feb-06
			Replace Crossarm	Complete	Apr-06
			Install Fuse	Complete	May-06
Install Additional Fusing	To be completed 4Q 2006	Mar-06			
27	N Bangor	00813-3	<i>6 outages represent 88% of the total customer minutes. Lightning, tree, tree cut into line and equipment failure.</i>		
			Installed additional fusing	Complete	Feb-06
			Replace overloaded step bank	Complete	Feb-06
Comprehensive Tree Trimming	To be completed in 2007				
28	Dillsburg	00748-4	<i>Performance driven by trees and lightning caused outages.</i>		
			Trimming accelerated one year	Completed	Jun-06
			Line maintenance patrol	Completed	Nov-05
			Install fuses with bypass disconnects	To be completed 3Q 2006	
29	Bem Church	00789-1	<i>Tree related outages represent 62% of total customer minutes</i>		
			UG Cable replacement in Paradise Acres Development	Complete	Jul-05
			Improve Circuit Tap Coordination	Complete	Sep-05
			Install UG fault indicators in Plum Creek Development	Complete	Sep-05
			Replace crossarm	Complete	Sep-05
			Install additional fusing	Complete	Sep-05
			Install mainline overhead fault indicators	Complete	Mar-06
			Detailed Circuit Patrol	Complete	Jun-06
			Comprehensive Tree Trimming	To be completed 3Q 2006	
Install additional fusing	To be completed 4Q 2006				
30	McKnights Gap	00774-1	<i>One outage caused by a spacer cable problem in inclement weather represents 93% of the total customer minutes</i>		
			Fuse Upgrade	Complete	Sep-05
			Spacer Cable Repairs	Complete	Aug-05
			Install Fuse/Bypass Switch	Complete	Nov-05
			Circuit Reconfiguration	Complete	Feb-06
			Detailed Circuit Patrol	Complete	Jun-06
			Replace Crossarms	To be completed 3Q 2006	
			Install Disconnect Switches	To be completed 3Q 2006	
Install Fault Indicators	To be completed 3Q 2006				

Met-Ed -- Remedial Action for 5% Worst Performing Circuits:

Rank	Substation	Circuit	Remedial Action Planned or Taken	Status of Remedial Work	Date Remedial Work Completed	
31	S Lebanon	00780-2	<i>3 outages represent 74% of the total customer minutes. Outage causes: Tree (2) and customer dropped tree into line.</i>			
			Install and Upgrade Fusing	Complete	Nov-05	
			Forestry Patrol	Complete	May-06	
			Spot Tree Trimming	Complete	May-06	
			Detailed Circuit Patrol	To be completed 3Q 2006		
			Install and Upgrade Fusing	To be completed 4Q 2006		
32	Flying Hills	00776-1	<i>3 outages represent 69% of the total customer minutes. Outage causes: Foreign contractor contacted UG cable, tree and fuse overload.</i>			
			Additional Underground Cable Replacement in Flying Hills Development	Complete	Aug-05	
			Additional Fuse Upgrades	Complete	Aug-05	
			Install Animal Guards	Complete	Sep-05	
			Install Fault Indicators	Complete	Sep-05	
			Detailed Circuit Patrol	Complete	Sep-05	
			Additional Fuse Upgrades	To be completed 3Q 2006		
Replace Lightning Arresters	To be completed 3Q 2006					
33	Lickdale	00625-2	<i>2 outages represent 75% of total customer minutes. Outage causes: lightning & vehicle accident.</i>			
			Install Mainline Recloser	Complete	Nov-05	
			Comprehensive Tree Trimming	Complete	Apr-06	
			Install Additional Tap Fuses	Complete	Jun-06	
			Lightning Arrester Replacements	Complete	Apr-06	
			Guy Wire Repairs	Complete	Jun-06	
			Pole Repairs/Replacements	Complete	May-06	
Install Disconnect Switches	Complete	Jun-06				
34	Mountain	00743-4	<i>Performance driven by trees caused outages.</i>			
			Tree Trimming the entire circuit	To be completed 4Q 2006		
			Perform Main line patrol	To be completed 3Q 2006		
			Install a sectionalizer	To be completed 3Q 2006		
35	Allen	00503-4	<i>Performance driven by URD cable failures at Whiterock Acres and a failed hydraulic recloser</i>			
			Replaced URD cables in Whiterock Acres	Complete	Jun-06	
			Replace Failed Recloser	Complete	Mar-06	
			Install a recloser	To be completed 3Q 2006		
			Line maintenance patrol	Complete	Oct-06	
36	Campbelltown	00731-2	<i>3 outages represent 67% of the total customer minutes. Outage causes: Trees (2) and patrol with no permanent problem location identified during inclement weather.</i>			
			Install Animal Protection	To be completed 3Q 2006		
			Install and Upgrade Fusing	To be completed 4Q 2006		
			Install Fuse/Bypass Switch	To be completed 4Q 2006		
			Mainline Switch Upgrade	To be completed 4Q 2006		

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

Cause	Penn Power			
	Customer Minutes	Number of Outages	Customers Affected	% Based on Number of Outages
Animal	1,060,811	272	10,541	7.8%
Bird	276,278	134	3,110	3.8%
Contamination	532	4	4	0.1%
Customer Equipment	72,554	11	1,142	0.3%
Equipment Failure	4,046,561	438	39,610	12.5%
Fire	366,979	13	1,889	0.4%
Forced Outage	371,908	52	6,685	1.5%
Human Error - Company	6,157	11	48	0.3%
Human Error -Non-Company	645,009	54	9,038	1.5%
Ice	0	0	0	0.0%
Lightning	1,319,982	283	8,234	8.1%
Line Failure	6,490,833	392	47,279	11.2%
Object Contact with Line	426,064	10	4,132	0.3%
Other Electric Utility	272	1	4	0.0%
Other Utility-Non Electric	220	1	1	0.0%
Overload	412,636	139	3,309	4.0%
Previous Lightning	128,688	30	1,027	0.9%
Switching Error	0	0	0	0.0%
Trees/Non-Preventable	9,365,095	514	43,533	14.7%
Trees/Preventable	46,159	13	407	0.4%
UG Dig-Up	10,384	12	80	0.3%
Unknown	4,712,936	1,018	38,668	29.1%
Vandalism	1,199	5	27	0.1%
Vehicle	2,335,294	92	17,483	2.6%
Wind	123,748	3	305	0.1%
Total	32,220,299	3,502	236,556	100.0%

Proposed Solutions – Penn Power

Unknown Outages

Penn Power's engineering department reviews the circuits that have experienced multiple "Unknown" outages to determine if a single device may be causing the outages. Penn Power stresses the need to code outages with known causes of the outages; not to make educated guesses of the cause. Hence, there are a number of unknown outages. To help limit the number of unknown outages, troubleshooters are directed to continue to patrol a circuit, even after service is restored, in an effort to identify the outage cause, as long as those patrols will not interfere with restoration of other customers.

Trees Non-Preventable

Penn Power's forestry department 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 any dead or diseased trees that need to be removed to avoid future outages. In addition, line and forestry department personnel patrol for danger trees as part of their daily work routine.

Equipment Failures

The number of equipment failures are mitigated by way of inspection and maintenance practices, such as circuit inspections and others as reported in Section 57.195(e)(6) herein. 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 pointed to an increase in the number of outages from arrestors and cutouts. Further analysis has identified an older gap-style and an expulsion-type arrestor to be the main cause for the arrestor outages and they are being replaced. Additionally, 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.

Outages by Cause – Penelec

Cause	Penelec			
	Customer Minutes	Number of Outages	Customers Affected	% Based on Number of Outages
Animal	2,025,761	1,110	24,216	8.5%
Bird	492,484	223	6,397	1.7%
Contamination	207,904	71	1,174	0.5%
Customer Equipment	565,632	70	4,005	0.5%
Equipment Failure	30,808,857	3,640	292,680	27.9%
Fire	1,812,651	53	7,255	0.4%
Forced Outage	988,271	160	23,503	1.2%
Human Error - Company	154,097	29	9,583	0.2%
Human Error - Non-Company	1,114,659	134	10,338	1.0%
Ice	637,343	35	6,078	0.3%
Lightning	16,445,521	1,229	77,253	9.4%
Line Failure	16,422,970	975	147,262	7.5%
Object Contact with Line	529,742	49	3,166	0.4%
Other Electric Utility	270,277	65	4,079	0.5%
Other Utility-Non Electric	38,838	8	1,732	0.1%
Overload	1,902,482	271	17,757	2.1%
Previous Lightning	319,128	135	3,577	1.0%
Switching Error	51,876	10	3,894	0.1%
Trees/Non-Preventable	47,771,446	2,100	227,738	16.1%
Trees/Preventable	796,640	99	3,897	0.8%
UG Dig-Up	137,456	73	1,224	0.6%
Unknown	12,814,124	2,031	129,366	15.5%
Vandalism	59,246	5	391	0.0%
Vehicle	5,967,224	349	39,980	2.7%
Wind	4,155,414	144	15,062	1.1%
Total	146,490,043	13,068	1,061,607	100.0%

Proposed Solutions – Penelec

Equipment Failure

The number of equipment failures are mitigated by way of inspection and maintenance practices, such as circuit inspections and others as reported in Section 57.195(e)(6) herein. 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.

Penelec has identified cutout failures to be the largest contributor. Consequently, Penelec is concentrating on replacing cutouts.

Trees Non-Preventable

Penelec's forestry department 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 any dead or diseased trees that need to be removed to avoid future outages. In addition, line and forestry department personnel patrol for danger trees as part of their daily work routine.

Unknown Outages

A high percentage of the outages coded as "Unknown Outages" required the replacement of blown fuses. The implementation of coordination and protection reviews is expected to reduce the number of these types of outages.

Outages by Cause – Met-Ed

Cause	Met-Ed			
	Customer Minutes	Number of Outages	Customers Affected	% Based on Number of Outages
Animal	7,073,978	1,619	70,128	17.0%
Bird	294,846	60	3,583	0.6%
Contamination	194,336	23	1,111	0.2%
Customer Equipment	185,848	22	6,960	0.2%
Equipment Failure	23,860,329	2,024	243,985	21.3%
Fire	829,067	24	4,670	0.3%
Forced Outage	2,624,300	108	36,958	1.1%
Human Error - Company	600,897	42	15,106	0.4%
Human Error - Non-Company	930,857	84	7,228	0.9%
Ice	190,536	5	1,880	0.1%
Lightning	13,839,926	954	103,013	10.0%
Line Failure	8,681,841	540	55,142	5.7%
Object Contact with Line	311,408	24	6,276	0.3%
Other Electric Utility	65,987	2	1,983	0.0%
Other Utility-Non Electric	342,714	6	1,321	0.1%
Overload	2,575,965	239	33,657	2.5%
Previous Lightning	294,845	38	2,513	0.4%
Switching Error	0	0	0	0.0%
Trees/Non-Preventable	20,041,473	1,037	123,635	10.9%
Trees/Preventable	3,734,545	350	17,835	3.7%
UG Dig-Up	432,623	70	2,560	0.7%
Unknown	9,695,275	1,861	103,548	19.6%
Vandalism	3,512,366	27	22,610	0.3%
Vehicle	9,899,258	345	81,465	3.6%
Wind	301,453	12	1,362	0.1%
Total	110,514,673	9,516	948,529	100.0%

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 as reported in Section 57.195(e)(6) herein. 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, Met-Ed's engineering department conducts a multi-

operation device review each month to identify equipment failures and equipment that is causing repetitive outages and plans accordingly to repair or replace equipment.

Unknown

Met-Ed's engineering department reviews the circuits using the SAIDI circuit evaluation process and all outage cause codes are investigated at that time.

Animal

Animal guards are installed on equipment where a high frequency of animal-related outages are experienced. When possible, animal guards are installed at the time service is restored for the outages caused by animals. Additionally, 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 2Q 2006		Penn Power			Penelec			Met-Ed			
		Planned	Completed		Planned	Completed		Planned	Completed		
		Annual	2Q	YTD	Annual	2Q	YTD	Annual	2Q	YTD	
Forestry	Transmission (Miles)	30	7	58	247	71	182	115	2	13	
	Distribution (Miles)	800	129	232	4,397	1,147	2,175	1,248	675	1,329	
Transmission	Aerial Patrols (2/year)	2	1	1	2	1	1	2	1	1	
	Groundline Inspections ^(a)	536	187	187	3,356	0	0	618	0	0	
Substation	General Inspections	1,020	258	510	5,505	1,371	2,730	2,892	751	1,447	
	Transformers	125	92	112	768	324	618	301	56	96	
	Breakers	126	45	52	586	284	427	189	30	64	
	Relay Schemes	142	24	79	1,452	459	640	747	242	285	
Distribution	Capacitor Inspection	784	547	778	8,147	1,530	8,147	4,024	0	4,024	
	Pole Inspections	12,820	3,712	3,712	59,798	4,134	24,590	30,150	7,458	25,107	
		Planned	Completed		Planned	Completed		Planned	Completed		
	Recloser Inspection (inspected quarterly)	1Q	606	606		1,464	1,464		911	911	
		2Q	606	606		1,803	1,803		911	911	
		3Q									
		4Q									
Radio-Controlled Switches (inspected twice per year)	1st half 2006	Penn Power has no radio controlled switches			832	741 ^(b)		16	16		
	2nd half 2006										

^(a) Transmission groundline inspections:
 ♦ Penn Power includes 138 and 69 kV
 ♦ Penelec includes 345, 230, 138, and 115 kV
 ♦ Met-Ed includes 230, 115 and 69 kV.

^(b) The inspection of the remaining switches scheduled for the first half of the year will be completed before starting on inspections scheduled for the second half. All of the 2006 radio-controlled switches are expected to be completed by the end of the year.

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

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

Budgeted vs. Actual T&D Operation & Maintenance Expenditures

T&D O&M (2nd Quarter and YTD June 2006)						
Company	PUC Category	2nd Quarter Actuals	2nd Quarter Budget	YTD Actuals	YTD Budget	Total Year Budget
Penn Power	Corrective Maintenance	291,038	283,364	523,140	556,756	1,048,965
	Preventive Maintenance	166,262	149,163	331,222	298,214	560,517
	Storms	194,386	209,468	275,557	336,214	633,134
	Vegetation Management	541,053	695,846	1,042,238	1,378,319	2,753,606
	Misc	903,416	664,620	1,890,257	1,300,586	2,453,730
	Operations	647,984	514,471	1,409,392	1,031,543	2,208,569
Penn Power Total		2,744,139	2,516,933	5,471,806	4,901,632	9,658,521
Penelec	Corrective Maintenance	1,887,580	1,292,592	3,526,766	2,585,184	5,170,367
	Preventive Maintenance	1,084,594	816,218	2,666,230	1,624,812	3,306,214
	Storms	583,145	1,204,347	1,252,701	2,272,689	4,516,002
	Vegetation Management	2,784,002	2,948,678	5,320,912	5,499,174	11,195,746
	Misc	2,043,481	3,879,032	4,283,052	7,482,340	14,884,096
	Operations	5,480,550	4,643,645	10,932,656	9,300,393	18,847,810
Penelec Total		13,863,352	14,784,512	27,982,317	28,764,592	57,920,235
Met-Ed	Corrective Maintenance	1,273,248	2,605,308	2,608,905	5,163,687	10,508,876
	Preventive Maintenance	657,057	927,224	1,492,734	1,848,605	3,686,071
	Storms	454,443	1,105,691	2,284,524	2,191,265	4,382,530
	Vegetation Management	2,832,017	2,375,916	5,693,387	4,751,832	9,503,663
	Misc	2,113,455	1,063,411	4,485,560	2,056,676	4,064,797
	Operations	3,563,952	3,967,652	7,522,337	7,744,180	15,790,933
Met-Ed Total		10,894,172	12,045,202	24,087,447	23,756,245	47,936,870
Grand Total		27,501,663	29,346,647	57,541,570	57,422,469	115,515,626

General Notes:

- Penn Power's O&M dollars do not include the costs associated with the O&M work conducted on the transmission assets owned by American Transmission Systems, Inc., a subsidiary of FirstEnergy Corp.
- See Attachment A for O&M and Capital category definitions.
- O&M data is consistent with preliminary FERC data with the exception of the expenses related to the two Regional Transmission Organizations (RTO) of which the Companies are Transmission Owner members (PJM and MISO). Removed MISO Network services expenses from Penn Power (actuals and budget)

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

T&D Capital Only Includes CIAC (net) (2nd Quarter and YTD June 2006)						
Company	PUC Category	2nd Quarter Actuals	2nd Quarter Budget	YTD Actuals	YTD Budget	Total Year Budget
Penn Power ^(a)	New Business	1,771,199	1,623,960	3,436,018	3,135,291	6,381,253
	Reliability	1,334,519	1,141,095	2,911,896	2,190,568	4,411,703
	Capacity	1,184,574	678,121	1,981,657	2,322,527	3,312,822
	Misc	118,596	260,073	491,117	616,001	1,011,970
	Forced	607,560	737,148	1,270,965	1,609,041	3,435,830
	Vegetation Management	11,456	45,715	23,487	88,316	179,605
PennPower Total		5,027,904	4,486,112	10,115,140	9,961,744	18,733,183
Penelec ^(b)	New Business	5,914,005	2,119,015	10,443,318	4,133,705	8,601,444
	Reliability	12,351,390	7,584,378	35,016,918	13,913,014	26,309,688
	Capacity	869,020	706,146	1,417,781	1,456,366	2,488,931
	Misc	1,365,199	3,260,245	3,576,977	6,758,531	13,117,619
	Forced	4,380,453	7,796,952	8,569,097	14,887,429	30,099,355
	Vegetation Management	455,425	402,360	694,635	784,794	1,594,439
Penelec Total		25,335,492	21,869,096	59,718,726	41,933,839	82,211,476
Met-Ed	New Business	6,527,433	5,646,903	13,828,563	11,163,542	22,720,596
	Reliability	5,070,971	6,864,862	13,508,762	13,392,458	27,232,171
	Capacity	6,801,470	6,677,474	11,649,991	14,305,823	19,349,905
	Misc	978,499	1,248,017	2,528,288	2,811,614	5,399,156
	Forced	2,162,770	2,053,664	4,998,805	4,032,442	5,938,553
	Vegetation Management	90,223	82,440	186,494	162,032	331,797
Met-Ed Total		21,631,366	22,573,360	46,700,903	45,867,911	80,972,178
Grand Total		51,994,762	48,928,568	116,534,769	97,763,494	181,916,837

^(a) Penn Power's capital dollars do not include the costs associated with capital work conducted on the transmission assets owned by American Transmission Systems, Inc., a subsidiary of FirstEnergy Corp.

^(b) Penelec's higher than budgeted actual costs reflects its focus on completing reliability improvement projects using accelerated reliability improvement funds in both the 1st and 2nd Quarters of 2006.

General Notes:

- See Attachment A for O&M and Capital category definitions.
- Capital dollars are net of Contribution In Aid of Construction ("CIAC") amounts and exclude facilities costs (i.e. buildings).

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				
Staffing Levels - T&D Operations and Maintenance				
Line Department	1Q 2006	2Q 2006	3Q 2006	4Q 2006
Leader / Chief	32	32		
Lineman	43	45		
Substation Department				
Technician	6	6		
Construction & Maintenance (C&M)	14	14		
Total	95	97	0	0

Penelec				
Staffing Levels - T&D Operations and Maintenance				
Line Department	1Q 2006	2Q 2006	3Q 2006	4Q 2006
Leader / Chief	153	146		
Lineman	145	140		
Substation Department				
Technician	0	0		
Construction & Maintenance (C&M)	73	76		
Total	371	362	0	0

Note:

- Penelec Substation Technician work is performed by C&M employees.
- Penelec experienced a number of retirements in April/May 2006 and expectations are to fill these vacancies by year end from the following external sources: new apprenticeships, hiring journeymen, and the Power Systems Institute ("PSI").

Met-Ed				
Staffing Levels - T&D Operations and Maintenance				
Line Department	1Q 2006	2Q 2006	3Q 2006	4Q 2006
Leader / Chief	57	57		
Lineman	150	152		
Substation Department				
Technician	16	14		
Construction & Maintenance (C&M)	47	45		
Total	270	268	0	0

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-000301061

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-000301061

Call-Out Response

This portion of the report is confidential per docket L-000301061

Settlement Agreement Provisions

Pursuant to the Reliability Settlement Agreement at Docket No. I-00040102, two additional reporting requirements are included with the Companies' Quarterly Reliability Report:

- Connectivity Rate
- Local Reliability Meeting Updates

Settlement Provision #1: The FirstEnergy Companies will provide customer connectivity rates as part of quarterly reliability reporting to the Commission beginning with the 3rd quarter 2004 report. Each of the Companies will achieve at least a 98% connectivity rate by the end of 2005. The Companies will strive to achieve a 99% connectivity rate but will maintain at least a 98% connectivity rate. Customer connectivity is defined as the percentage calculated by dividing the number of customers that are connected to a device within the Outage Management System (OMS) by the number of billable accounts and sub-accounts (other than group billed accounts) in the customer information system. Customers connected to a device in OMS are those connected in such a way that the electrical network may be traced for outage prediction purposes from the customer to a distribution circuit breaker.

Connectivity Rate

The Companies continue to maintain a connectivity rate higher than 99%.

Connectivity (%)	Penn Power	Penelec	Met-Ed
1Q 2006	99.0%	99.0%	99.2%
2Q 2006	99.1%	99.1%	99.3%
3Q 2006			
4Q 2006			

Settlement Provision #8: The FirstEnergy Companies will conduct local meetings about reliability, with notices targeted to areas previously reporting numerous power outage or reliability complaints, and which focus on updating the customers on reliability projects and circuit performance. These local meetings will begin by October 2004 and summaries of the meetings will be provided in the FirstEnergy Companies' quarterly reliability reports to the Commission. The summaries will contain a description of the action plans identified and dates for implementation of the planned actions as a result of the meetings.

Local Reliability Meetings

The Companies are required under the PA Settlement Agreement (Provision #8 above) to conduct local reliability meetings within their regions. In the 2nd quarter of 2006 the Companies conducted the following number of reliability meetings: five for Penn Power, two for Penelec and two for Met-Ed. The use of reverse interactive voice response ("IVR") has improved customer communication and, in some cases, reduced the need for additional meetings.

Public meeting reports are provided in Attachment B1 and B2 of this report.

- Attachment B1 includes reports on meetings conducted in the 2nd quarter of 2006.
- Attachment B2 includes reports on meetings conducted previous to the 2nd quarter of 2006 and for which there are action items that are still outstanding or were completed in the 2nd quarter.
- Once all action items have been completed, the meeting report will be archived and no longer attached to this quarterly report.

Definitions of T&D O&M and Capital categories:

T&D O&M

Corrective Maintenance – Program or non-program O&M costs associated with the unplanned repair and maintenance of the system, which may or may not be scheduled. This excludes any capital work resulting from corrective maintenance.

Preventive Maintenance – Program or non-program O&M costs associated with the planned repair and maintenance of they system, which may or may not be scheduled.

Storms – Costs associated with all weather-related conditions.

Vegetation Management – Costs associated with planned or unplanned tree trimming and vegetation management program.

Miscellaneous (Misc.) – Costs associated with miscellaneous type categories that can include, but are not limited to, damage claims, joint use, and purchase and upkeep of tools.

Operations – O&M costs associated with the activities related to managing and directing the operations of the Company.

T&D Capital

New Business – Costs associated with providing service to new customers (i.e. residential, commercial, industrial, and streetlighting).

Reliability – Costs incurred to improve/reinforce the reliability of the infrastructure assets.

Capacity – Costs associated with projects required to improve, relieve, or correct an existing or projected voltage or thermal condition.

Miscellaneous (Misc.) – Costs associated with miscellaneous type categories that can include, but are not limited to, damage claims, joint use, and purchase and upkeep of tools.

Forced – Costs associated with projects that are required usually by federal or state regulatory bodies. This category can also include costs associated with highway and bridge projects or that are related to weather conditions.

Vegetation Management - Costs associated with planned or unplanned tree trimming and vegetation management program.

ATTACHMENT B1

Local Reliability Meeting Reports

Meetings Conducted in the 2nd Quarter 2006

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group: Residential Customers
Location: Valencia, PA.
Date/Time: April 24, 2006
Penn Power Circuit: D-615
Penn Power Attendees: Bart L. Spagnola
Public Attendees: Mr. & Mrs. J. Geiger - Mrs. Diann Metal

Background / Issues

In the last year, customers in this area have noticed more outages than in the past, as well as dimming lights. In summer 2005, J. Wilson (Asplundh Tree Service) and I walked the circuit and found areas that needed trimmed. Part of the circuit leaves the road area and goes through the woods, servicing homes from the rear, which is where most of the outages occurred. This circuit wasn't scheduled for trimming for another year and a half. We sent a crew to this area and for three weeks trimmed and cut down trees where necessary. The work was completed and reliability in this area has improved greatly.

I contacted these customers after receiving a call from our phone center. Several customers along Ridge Road reported an outage in late April 2006. Their main concern was the growth that we are seeing in this area. Several new residential developments are either under construction or are planning to start this year. A large addition is under construction at the Mars Area High School and several commercial businesses are under construction. I explained to the customers that we are aware of and have been planning for growth in the area. In the last month we have upgraded poles and conductors (336) on circuit (D-615) that will provide the necessary voltage and reliability for the planned growth in this community. We will continue to monitor the system to insure that reliable service is provided to existing customers, as well as new customers coming on line. The customers appreciated the information we provided. I left my business card and encouraged them to contact me directly should they have additional questions.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Cut and trimmed trees along Ridge Road, Mid-Cycle Trim.	Jeff Wilson, Asplundh Tree Service		July 2005
Upgrade Circuit D-615 - Poles and Conductors	Jim Visingardi, Operations Manager		April 2006

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group: Sharpsville Borough
Location: Sharpsville Municipal Building
Date/Time: May 9, 2006 at 7:00 pm
Penn Power Circuit: W-219
Penn Power Attendees: Tony Zucco - Penn Power Area Manager
Richard Orr - Penn Power Forestry Coordinator
Public Attendees: Mayor Ken Robertson, Council President- Alex Kovach, Council members Guy Moderelli, Tom Lally, Jack Caldwell, Chris Combine, Lu Ann Anglin, and residents of the Borough.

Background / Issues

I scheduled a meeting with the full council of the Borough to review reliability. It was noted that W-219 had only one outage in the past 4-5 months, of which the council was pleased with its performance. I then used this opportunity to discuss upcoming plans to begin tree trimming in June 2006, emphasizing the importance of tree trimming to reliability. Rich Orr reviewed the process of customer notification prior to trimming, as well as the plan for post-trimming clean up. Rich distributed his business card to council members and asked that they contact us with questions or concerns. The council thanked us for information we provided.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
None			

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group: Mayor of New Castle - Local Business Owner - Lawrence
County Economic Development Corporation
Location: Mill Street Grille, Downtown New Castle
Date/Time: April 27, 2006 at 12:00 pm
Penn Power Circuit: Circuit Upgrades
Penn Power Attendees: Bart L. Spagnola, Area Manager
Public Attendees: Wayne Alexander, Mayor of New Castle - Thomas George,
Business Owner - Robert Delsignor & Linda Nitch, LCEDC

Background / Issues

I arranged this lunch meeting with Mayor Alexander and Mr. George to discuss the downtown renovation project. We reviewed the work that had already been completed, as well as what was planned for the remainder of 2006 to meet the needs of the renovated downtown. Mid-way through the meeting we were joined by L. Nitch and R. Delsignor of the Lawrence County Economic Development Corporation. We also reviewed the upgrades that Penn Power had completed YTD and work planned for later in the year. I explained work that was completed on capacitors, inspections, testing, refusing, and replacement of worn capacitors. We also reviewed the process for checking monthly recloser operation, as well as the importance identifying the cause of faults (e.g. storms, animals, trees or equipment problems). We inspect each circuit and review records of outages and operations to determine which circuit needs maintenance. The Public Attendees indicated that the work completed to date has improved the system and reduced outages in and around the New Castle Area. I asked if they had any other concerns and distributed my business card. The Mayor requested that we meet once per month to update each other on work completed and planned.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Capacitors (inspect, test, refuse) Recloser Readings Cutouts: Installed (197) Replaced (70)	Jim Visingardi		All work completed in 2Q '06

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group: Eastern Regional Development Corporation, Penn Northwest Development Corp, Hermitage Economic Development Corp.
Location: Radisson
Date/Time: June 20, 2006
Penn Power Circuit: Various
Penn Power Attendees: Tony Zucco - Mercer County Area Manager
Public Attendees: Douglas Thomas - Thomas Construction & ERDC Board Member, Shane Rosenfelder - Penn NW Staff, Ken Faulconbridge - Penn NW Executive Board Member, Gary Hinkson - Hermitage City Manager, and Gary Gulla - Hermitage Economic Development Staff

Background / Issues

These groups represent the main economic development agencies for the Mercer County area. We have worked together on several prospects, so I arranged for this meeting to discuss reliability issues and work that has been completed to improve reliability. We reviewed several practices that are performed to enhance reliability, such as circuit and pole inspections, tree trimming, and maintenance programs. The group was very interested in all the information and appreciated that we took the time to provide this information.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
None			

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group: Sharon Rotary Club, United Way of Mercer County, Red Cross of Mercer County
Location: Sharon Country Club
Date/Time: June 21, 2006 at 12:00pm
Penn Power Circuit: Various
Penn Power Attendees: Tony Zucco - Mercer County Area Manager
Public Attendees: Cheryl Oblinger - Executive Director of Mercer County Red Cross, Dottie Bieber - Past President of Sharon Rotary Club & United Way Executive Board member, Mrs. Rookey - Sharon Rotary Club member

Background / Issues

Dottie Bieber has requested information related to our response to outages and what we're doing to reduce the incidence of outages. We reviewed what Penn Power has done to maintain and improve reliability, including tree trimming completed in 2006 and its importance to service reliability. We discussed practices that we perform including circuit inspections and equipment maintenance programs. Ms. Bieber indicated that she had noticed a marked improvement in our service reliability and thanked me for taking the time to detail our work.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
None			

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Brockway Business & Professional Assoc
Location: Brockwayville Depot, Brockway, PA
Date/Time: May 17, 2006 at 6:00pm
Penelec Circuit: 7 Brockway Circuits - 2,414 total customers served
Penelec Attendees: John Shimko
Public Attendees: Chris Repiscak, Jonnie Sue Ferranti, Valerie Barraclough, Jacqueline Schiering, Rosita Pisarchick, Irene Coder, Brenda Anannea-Marzi, Joni Paladino, Bub Whelpley, Dave Inzana, Daryl Adams, Sue Castiglione, Dick Pasi, Patty Tami, Doreen Desantis, Ann Cristini, Bobbi Klingensmith, Steve Melillo, Fran Morelli, Jr.

Background / Issues

Presented an overview of how service is provided to Brockway and reliability improvements that have been completed to the circuits serving the Brockway area from the four Penelec substations.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
None			

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Mid-State Regional Airport Authority Board
Location: Mid-State Regional Airport, Philipsburg, PA
Date/Time: June 26, 2006 at 10:00am
Penelec Circuit: 00162-22
Penelec Attendees: John Shimko
Public Attendees: Ed Blakely, Henry Schnarrs, Don Branstetter

Background / Issues

A radial feed circuit, out of the Philipsburg substation, serves the airport and beyond through Black Moshannon Park and a number of communication towers. I met with the board to discuss various account locations, how they are served and improvements made (including new recloser) to maintain service reliability to the airport. The board was satisfied with the meeting and appreciative of Penelec's ongoing efforts.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Provide map location of various service points at or near the airport	John Shimko	7/3/06	6/28/2006

MetEd

Public Meeting Report

Meeting Information

Municipality/Group: Residential Customers
Location: Red Lion, York County
Date/Time: June 13, 2006
MetEd Circuit: 00476
MetEd Attendees: Ernie Waters, Area Manager; James Sarver, Engineer
Public Attendees: Mrs. Rita Patterson - representing 30 customers

Background / Issues

A sporadic, fluttering lights condition was persisting for customers in the Red Lion area. Met-Ed purchased special equipment to detect the source of the problem. The source was traced to a commercial/industrial customer and multiple pieces of equipment utilized within that customer's facility. The customer's Static VAR Compensator at their plant was inoperable. Met-Ed is assisting the customer in engaging outside expertise to repair the Static VAR Compensator.

In the meantime, Met-Ed initiated a meeting with these customers to discuss efforts being taken by Met-Ed to identify the root cause of this issue. The group had informally decided against a large meeting and instead elected to have one representative for the group – namely Mrs. Patterson. On June 13th, Ernie Waters contacted Mrs. Patterson to discuss potential solutions. On June 14th, engineering recommended serving this group from another substation. On June 15th, the fluttering condition was eliminated by transferring this group of customers to the Red Lion substation.

The customers and Met-Ed have considered this issue resolved with no further action required.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
None			

MetEd

Public Meeting Report

Meeting Information

Municipality/Group: Several Residential Customers
Location: Red Lion, York County
Date/Time: Various Correspondence
MetEd Circuit: Windsor and School Lane Substations
MetEd Attendees: Ernie Waters, Area Manager; James Sarver, Engineer
Public Attendees: Customers in the Red Lions Area: Howard Supplee, James Gibbs, Linda Smith, John Leber, Richard Jackson, Deb Taylor, Richard Ruff, Chris Anderson, Lamar Frey, Josephine Witman, David Humberd

Background / Issues

A sporadic, fluttering lights condition was persisting for customers in the Red Lion area. Met-Ed purchased special equipment to detect the source of the problem. The source was traced to a commercial/industrial customer and multiple pieces of equipment utilized within that customer's facility. The customer's Static VAR Compensator at their plant was inoperable. Met-Ed is assisting the customer in engaging outside expertise to repair the Static VAR Compensator.

Met-Ed initiated a group meeting of customers affected by this issue to discuss the effort being taken by the commercial/industrial customer with the assistance of Met-Ed. This group informally elected to be represented by one representative – namely Mr. Humberd.

We performed the following follow-up communication: voice message (early May), letter (mailed to each customer on May 11th), and verbal communication with Mr. Humberd (June 29th).

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Met-Ed will continue to communicate progress	Ernie Waters	Dec-06	

ATTACHMENT B2

Local Reliability Meeting Reports

Meetings Conducted Prior to the 2nd Quarter 2006

With Updated or Outstanding Action Items

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group: Pine Twp. Planning Commission
Location: 230 Pearce Mill Road
Wexford, Pa. 15090
Date/Time: February 13, 2006 at 7:30pm
Penn Power Circuit: Richard Substation - Circuits D-743 & D-745
Penn Power Attendees: Bart L. Spagnola, Area Manager
Dave Wareham, Real Estate
Public Attendees: P. Zvolio, M. Hansen, T. Smith, V. Zappa, J. Dennison and J.
Lombardo - Planning Commission

Background / Issues

Dave Wareham, FE Real Estate, and I attended the February Pine Township Planning Commission meeting to present blueprints and design of our proposed Wexford Substation along Rt. 19. When we completed our presentation, the Chairman, P. Avolio, asked how this substation would affect the existing Richards Substation, which is 1.5 miles up the road. He mentioned that in the summer of 2005 the commercial district along Rt. 19 experienced outages that upset several businesses and residents in this area. We did see a few outages in this area as a result of trees coming down during storms. We also had one outage from equipment failure at the substation. I explained that this new substation will provide for the new growth coming to Pine Twp. and will reduce some of the load at the existing substation to improve reliability and provide power for additional growth at the southern end of the township. I also explained that from October through year-end 2005, Asplundh Tree Service cleared trees on both circuits 743 & 745 as part of the four-year Vegetation Maintenance Schedule. With tree clearing, equipment upgrades, circuit upgrades and the proposed new Wexford Substation, service reliability should improve in this area and provide for future growth. The commissioners asked several more questions before giving Penn Power tentative approval for the new substation. After the meeting the commissioners thanked us for the work completed in 2005 and the work scheduled in 2006 to improve reliability.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Circuit Tree Clearing	G. Urick, Penn Power Forestry		December 2005
Wexford Substation	J. Kanieski, FE Substation Manager	Fall '06	

Penn Power

Public Meeting Report

Meeting Information

Municipality/Group: Lawrence Co. Commissioners and County Planner
Location: 430 Court Street - New Castle, Pa. 16101
Date/Time: March 13, 2006 at 10:00 am
Penn Power Circuit: Y-194, Y-196 and Locust St (X-45 --23kv tap)
Penn Power Attendees: Bart L. Spagnola, Area Manager
David Wareham, Real Estate
Public Attendees: Steven Craig, County Commissioner
Edward Fosnaught, County Commissioner
James Gagliano, County Planner

Background / Issues

This meeting was held at the Lawrence County Court House to discuss recent outages that have affected the North Hill urban area and the Downtown New Castle area, which includes the County Court House. The discussion centered on the length of outage time and what could be done to restore power more quickly. We have been working on a solution to shorten the length of outages in the downtown and North Hill areas. I explained that the three substations and their (10) distribution circuits in this area are currently on a transmission and sub-transmission radial. Our plan is to establish a 69 kV transmission "loop" on the west side of Penn Power's New Castle urban service area. The plan will complete the loop by closing the gap between Hillcrest Substation, Y-194 tap, and Grant Street Y-196 tap. We will be converting the Locust X-45 -- 23 kV tap to a 69 kV substation. This will allow us to switch and isolate trouble in the circuits during storms, unscheduled outages, and to restore power more quickly to a majority of the customers. The commissioners were pleased that the work is being done to upgrade and improve the system in and around the New Castle area.

Revised Work Schedule: All tree trimming on the circuits listed above has been completed. A recent review has shown improvement in reliability since the work was done. These circuits along with other circuits in the New Castle Area will be evaluated again later this year for future maintenance.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Engineering, if necessary	John Wittmann, Engineering Supervisor	2007	
Maintenance, if necessary	Jim Visingardi, Operations Manager	2007	

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Customers served from the Sam Rea Sub
Location: Altoona Penelec Office
Date/Time: March 30, 2006 at 6:00pm
Penelec Circuit: 31-71, 2,139 customers served 32-71, 652 customers served
Penelec Attendees: Bob Chumrik, Theresa Heasley, Beverly Green, Rick Gunsallus, Clair Ciaverella
Public Attendees: 15 customers attended the meeting. Attendance sheet is available upon request.

Background / Issues

Circuit 31-71 is on the worst performing circuit list. Both circuits have had numerous outages and instantaneous interruptions due to the substation failure and circuit performance. Topics discussed were replacement and installation of insulators, cross arms fusing and pole replacement. *The Osmose pole inspection program was discussed.* Substation improvements included relaying upgrades, replaced main power transformer, and overall substation maintenance. The distribution tree trimming program was also reviewed. Letters were sent to each customer served from these circuits outlining the same information.



March 13, 2006

Dear Customer:

Penelec is aware of the concerns and inconvenience our customers experience with service interruptions. We would like to take this opportunity to share with you what actions and steps are being taken to improve reliability in your area.

Specific projects have been implemented to identify and correct problems related to your service. The circuit serving your area was patrolled by our engineering department and facilities not meeting our service level requirements have been identified for replacement or upgrade. The improvements include the installation of protection devices which will isolate the number of customers experiencing extended outages, and will keep the number of customers affected by service interruptions to a minimum. In addition these enhancements included pole and crossarm replacement along with the installation of insulators and lightning arrestors.

Although there is always the possibility of electrical outages that are beyond our control, we are confident the line upgrades and improvements will strengthen our ability to respond to the outside influences that sometimes cause outages to our customers such as car pole accidents, adverse weather conditions and other such incidents.

On Thursday, March 30, 2006, at 6:00PM, we welcome you to join us at our Altoona Penelec office building to discuss the work we are undertaking to address your service reliability. Our office is located at 405 W. Plank Rd., Altoona, and the meeting will be held in our auditorium located at the front of the building. Our office complex is located directly across from the Giant Eagle store on W. Plank Rd. If you are unable to attend and would like more information please contact us at 949-6311 and leave your name and phone number and we will have a representative contact you. If you are interested in attending the meeting, please call 949-6311 to RSVP.

We appreciate the opportunity to serve your electric service needs and look forward to continuing to provide you with affordable reliable service.

Our Energy is Working for You

Sincerely,

Beverly M. Green
Area Manager

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Bob Shoop - pole to be replaced	Operations	5/1/06 New Date 10/06	
Mark Hileman - pole box needs repaired/replaced	Operations	5/15/06	5/11/06

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Millcreek Twp. / Erie - Amhurst Road Area
Location: Millcreek Township Municipal Building
Date/Time: November 10, 2005 at 6:00pm
Penelec Circuit: Rolling Meadows Amhurst URD Circuit 00513-31
Penelec Attendees: Dan Heher Area Mgr, Chuck Tillburg COC Mgr & Marty
Grzasko Director of Customer Support
Public Attendees: Approximately 75 Residents of the Amhurst Rd Subdivision

Background / Issues

Amhurst Road is fed with a 34.5 kV URD Distribution system. The Customers have experienced a number of prolonged outages. Improvements were made to the system in 2002 by adding new electrical feeds to the area. As a result the electrical feed to these customers was greatly improved. However, in 2005 outages began to occur again, creating the need for reliability improvements.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Replace main line URD feed along Amhurst Road.	Engineering & Line	4Q '06	

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Port Allegany Borough
Location: Port Allegany Borough
Date/Time: November 17, 2005
Penelec Circuit: Eldred Circuit (2 Mile - sub)
Penelec Attendees: Russell Van Horn
Public Attendees: Rep. Martin Causer, Borough Manager - Richard Kallenborn,
James Kaminsky, Arch Klein

Background / Issues

During the first quarter of 2005 customers and borough officials expressed concerns about momentary and extended outages. The borough also had concerns about poor communication and access to the Call Center.

As a direct result of these issues Bill Dale and engineering personnel inspected the entire Eldred circuit out of our Two-Mile substation with the initiative to address and correct the above concerns. As a result, the following work was completed and reviewed with the attendees:

- All cutouts on the circuit were replaced.
- Spurs were fused.
- Insulators and cross arms replaced as needed.
- A radio-controlled vacuum switch was installed roughly in the middle of the circuit.
- The municipal toll free number was reviewed and discussed with respect to answering priority as well as the experience level of the agents.

The engineering for this work and the required construction was completed in the 3rd quarter of 2005. It has been acknowledged and has addressed the issues originally expressed. Borough officials were satisfied with results of the meeting.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Follow-up meeting(s) with Mr. Kallenborn	R Van Horn	2Q '06 3Q '06	5/30/06

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Linesville, Conneaut Valley School District, Espyville
Location: Linesville Boro
Date/Time: December 8, 2005
Penelec Circuit: Linesville/Espyville
Penelec Attendees: Rud Van Horn, Jeff Bishop, Shawn Hindman
Public Attendees: Dick Astor (Superintendent - CV schools), Warren Beaver (resident), Vicki Leap (Rep J Evans' office), John Waterman (Molded Fiber Glass)

Background / Issues

This circuit is a highly exposed and geographically large circuit (over 30 miles) in western Crawford County. Over the years and (particularly) throughout the second half of 2004 and the first two quarters of 2005 businesses, school districts, and residents have expressed concerns with momentary and extended outages. In response to these concerns the Company developed an extensive plan to rehabilitate this circuit. Highlights of this project include the following: replacement of over 20 poles, 40 cross arms, addition of 22 new sectionalization devices, fusing of all spurs off this line, replacing all reclosers, and complete tree trimming. This work was completed on December 29 and involved over 4200 hours of labor. All parties were very satisfied with the company's plans and commitment to address reliability concerns.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Re-visit with all parties to review the completion of this work, and assure that operational improvement has been recognized.	R. Van Horn / J Bishop	2Q '06	May 2006

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Wagner Development Customers
Location: Huntingdon Penelec Office
Date/Time: December 13, 2005 at 6:00pm
Penelec Circuit: 000100-82 - McConnellstown sub - Country Club feeder - 12 Kv
Penelec Attendees: Derek Wright - Huntingdon Operations Supervisors - Beverly Green - Area Manager
Public Attendees: Sandy S. Kleckner

Background / Issues

Thirty-six letters were sent to customers inviting them to the Huntingdon District office to discuss the upgrade to the transformers serving their developments. Customers in this development have experienced outages. This development currently has submersible transformers, which has hampered our ability to provide timely service restoration. These submersible transformers do not meet current standards. This area is also prone to flooding problems, which has also affecting service restoration.

We reviewed the plans to remove the current submersible transformers and replace them with padmount transformers. The work is planned for early spring depending on the weather conditions. The work will require planned outages and all customers will be notified of the date and length of the outage.

The reliability program was discussed and storm outage/restoration reporting was also highlighted during the discussion with Ms. Kleckner.

Below is the letter that was sent to the customers in this development.



December 5, 2005

Re: Electric Service for the Wagner Development

Dear Customer:

2006 Quarterly Reliability Report for period ending June 30, 2006

We will be making improvements to your electric service in the first quarter of 2006. This work will involve replacing your current underground transformer with an above ground transformer. In the past our restoration efforts have been hampered due to flooding and other weather conditions within your development, therefore, these upgrades are necessary to assist us in meeting your expectations for reliable service.

During the time of these replacements will take place, it will be necessary to interrupt your electric service. These interruptions are necessary for our linemen to do this work in the safest manner possible. Some residences will have their service off multiple times. We understand this will be an inconvenience and we will do everything we can to keep the number of interruptions and length of the outages to a minimum.

We are hosting a meeting for all customers scheduled for improvements at our local Penelec office located on Fair Grounds Rd. in Huntingdon on Tuesday, December 13, 2005 beginning at 6:00PM. Penelec representatives will be on hand to give you an opportunity to hear more about the project which is planned for the first quarter of 2006, discuss which customers will have multiple outages, and we will answer any questions you may have about the work to be performed.

We know there is never a good time to be out of power but it is always better if we can plan the outages rather than having power interruptions when you least expect them. We will do our best to work with you as to when the outages are scheduled and everyone will be notified as to when each outage is to take place. This work is being done in accordance with Rule 25 under the Pennsylvania Electric Company Electric Service Tariff.

You may call (814)947-6311 if you have any questions or concerns about the meeting or would like a representative to contact you. Please plan to attend this informative meeting and we look forward to seeing you on December 13th.

Sincerely,

Beverly Green
Area Manager

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Replace current submersible transformers with padmount transformers.	Derek Wright	4/26/06	4/26/06

Penelec

Public Meeting Report

Meeting Information

Municipality/Group: Customers in the Cherry Lane, Dowling Rd, Seese Dr., Mayluth Rd. & Euclid Ave areas of Richland Township, Cambria County

Location: Richland Service Center - Penelec

Date/Time: December 28, 2005

Penelec Circuit: 00913-11

Penelec Attendees: Walter Mitchell and Murphy Montler

Public Attendees: Norman Goetz, Careen Goetz, Larry Sedlemeyer and James Pozun

Background / Issues

Customers in this area have complained about low voltage and service reliability. To address these complaints, Penelec initiated a project to convert customers from the current 4kV system to the higher voltage 23kV system. The conversion will strengthen voltage levels and provide alternate switching capabilities.

AGENDA

Project status

The conversion is approximately 50% completed with the remaining work scheduled for completion by the end of the 2nd Quarter of 2006.

Project overview

Walter Mitchell, Penelec Operating Manager, presented an overview of the conversion project utilizing a map and explaining what line crews will be doing as work continues on this project.

Overview of the storm process

Murphy Montler provided an overview of the FirstEnergy storm process.

Handouts

Murphy Montler provide the following FirstEnergy publications:

What To Do If The Power Goes Out
Facts About Restoring Electric Service
Using Electricity Safely
Making Cents Of Electricity

The customer meeting attendees were very appreciative of the information and the

opportunity to ask questions about the conversion project. A request was made by the customers to delay the planned outage until the Spring when weather conditions are warmer.

Walt and Murphy provided business cards to the customer meeting attendees.

Below is a letter issued to the 150 customers that will be impacted by the conversion project. Although only four customers elected to participate in the meeting, the letter provides information about the conversion project and a contact number is listed if customers have questions or concerns.



Johnstown, PA 15904
Phone:(814) 269-6615

RE: Service Reliability

Dear Mr. :

At Penelec we understand that service reliability continues to be a very important priority for our customers. You expect us to keep the lights on, and when weather events disrupt your service, you expect us to be there promptly to address conditions and restore service safely and quickly.

Over the past year the circuit that serves your area has been monitored and we have identified a project that should help strengthen voltage levels and the overall reliability performance of your circuit. I wanted to write to you and provide information about the project.

Our engineering group field inspected your circuit to identify opportunities to reinforce and enhance reliability performance. I'm very happy to report that we have been converting your circuit to our higher voltage distribution system. This conversion provides a better balancing of system load and will markedly improve the system voltage performance for your area.

Although there is always the possibility of electric interruptions and voltage dips that are beyond our control, like significant weather events and car pole accidents, we are confident that the system conversion will make a positive difference in your service reliability and voltage performance.

On December 28, 2005, at 5:30 PM, we welcome you to join us for a meeting at our 311 Industrial Park Road office in Richland Township. Our local management team will be there to discuss your concerns and to outline the initiatives we are undertaking to address your service reliability.

A special voice mailbox has been established to confirm your attendance at the meeting. You can reach the voice mailbox by calling 814-269-6624. Please leave your name and phone number and indicate if you plan on attending the meeting.

Thank you for your patience and for the opportunity to explain the actions we are undertaking to ensure that you receive the reliable electric service you expect and deserve.

Sincerely,

Murphy P. Montler
Vice President of External Affairs

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Completed the conversion project by the end of the 2nd Quarter of 2006.	Walter Mitchell	6/30/06	4/25/06

MetEd

Public Meeting Report

Meeting Information

Municipality/Group: White Rock Acres
Location: Boiling Springs
Date/Time: March 21, 2006
MetEd Circuit: 503-4
MetEd Attendees: Dan Logar and Brian Lachman
Public Attendees: Rich Moore, Homeowners Assn President

Background / Issues

Met-Ed replaced the UG primary cable due to frequent outages. Brian, Rich, and I reviewed the plan to energize and connect customers to the new cable.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Notify customers prior to planned outages during the conversion process	Dan Logar	5-31-06	6-14-06

MetEd

Public Meeting Report

Meeting Information

Municipality/Group: Laurel Woods Development Customers
Location: Conewago Township
Date/Time: March 30, 2006
MetEd Circuit: 763-2
MetEd Attendees: Bill Zewe and Dan Logar
Public Attendees: Larry and Kay Forbes, James Hopper

Background / Issues

Met-Ed was finishing the project to replace UG primary cable in the Laurel Woods development. The customers wanted additional information about the cable replacement and lawn restoration process. In conjunction with the customers in attendance, all parties agreed to create an action plan to track the lawn restoration and clean-up effort.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Remove damaged tree	Dan Logar	4-24-06	4-19-06
Replant vegetation and clean-up area	Dan Logar	5-15-06	5-6-06

MetEd

Public Meeting Report

Meeting Information

Municipality/Group: Cornwall Boro, N. Cornwall Twp, and residents.
Location: 533 Zinns Mill Road
Date/Time: October 17, 2005
MetEd Circuit: 780-2
MetEd Attendees: Dan Logar
Public Attendees: Priscilla Miller, Mr & Mrs Joe Schott, Rep Gingrich & Zug, State Sen Brightbill, Cornwall Boro, and N. Cornwall Twp officials.

Background / Issues

The 780-2 circuit originates from the Broad Street substation. Load growth on the circuit is causing overload concerns. The solution is to reactivate the North Cornwall substation near 533 Zinns Mill Road. The meetings were for residents near the substation property and elected officials.

Action Plan

Item:	Assigned To:	Date Due:	Date Completed:
Complete installation of the Substation	Greg Gillotti	4Q '06	