



An Exelon Company

Brian D. Crowe
Director Retail Rates

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PECO Energy Company
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FOLDER

H-00030161

ORIGINAL

May 11, 2007

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MAY 11 2007

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

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Dear Secretary McNulty:

As a follow-up to Darren Gill's request for additional information regarding our response to the storms that occurred during April 13-17, we have compiled the following information and have attached a chart detailing the number of customers off by hour.

WEATHER CONDITIONS

This was one of the more challenging weather events that our service territory has experienced. It included *heavy* rain, followed by a *long* period of high winds. The conditions were exacerbated by leaves now on trees. Actual measurements observed during the event showed numerous times where sustained winds were anywhere from mid-20 mph winds to mid 30-mph winds, with gusts exceeding 50 mph. The saturated soil conditions plus long period of significant winds contributed to outages continuously occurring over a three-day period with a high incidence of uprooted trees damaging distribution wires, poles, cross arms and other equipment.

CUSTOMER RESTORATION PERIOD

The total number of our customers affected was 130,631. Of those affected, 97,799 fell into the "sustained" category and 32,832 fell into the "momentary" category. Unlike thunderstorms, which affect an area for a relatively short time and then depart, as noted above, this was a situation where the service territory was impacted by a continuous, heavy wind event. The most severe weather caused a substantial spike in outages (from about 5K to 40K over a four-hour period starting at 04:00 Monday, April 16, 2007). Extra crews were brought on the system, starting on April 15, 2007, to cover all shifts – 24 hours a day, 7 days a week – for the duration of the storm.

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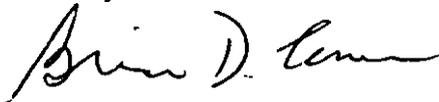
Mr. James McNulty, Secretary
May 11, 2007
Page 2

BACK-UP CREWS

MAMA (Mid Atlantic Mutual Assistance) calls were conducted during this event to determine needs and availability of crews. Since all MAMA companies were affected, it was necessary for PECO to obtain local contractor resources. Once it was evident that additional assistance was needed *beyond* local contractors, PECO reached out to contractors with crews located in areas such as northern NJ, NY and MI (in the latter case, they supplied personnel from a subsidiary located in FL). The total numbers utilized to assist in restoration included 323 contractors and 261 tree trimmers.

If you have any questions please contact me at 215-841-5316.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian D. Crowe". The signature is fluid and cursive, with the first name "Brian" being the most prominent.

Brian D. Crowe
Director
Retail Rates

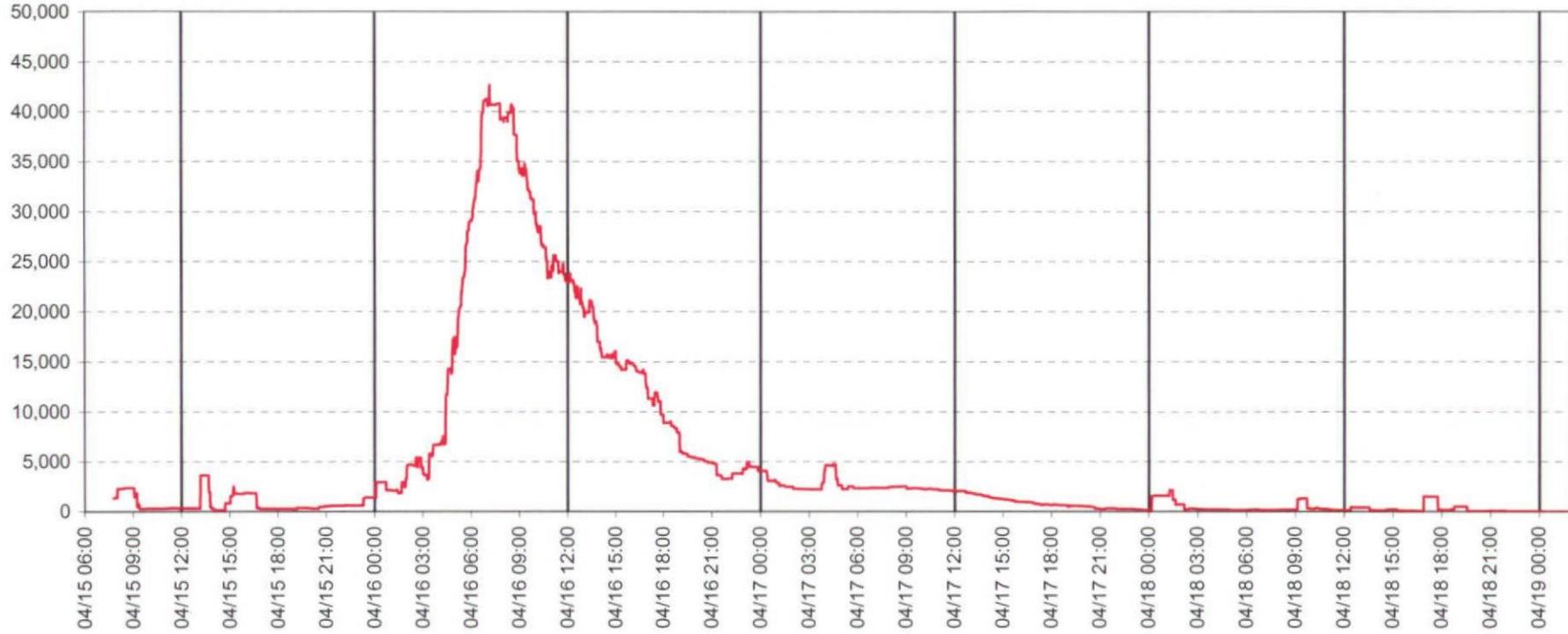
cc: Darren Gill, Supervisor, Electric Reliability, Bureau of CEEP

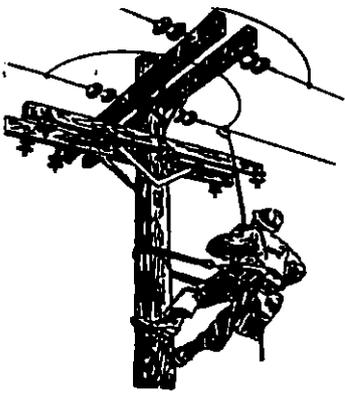
enclosures

PECO Customers without Power by Hour into Storm of 04/15/07

04/15/07 07:46 to 04/18/07 21:58

Customers without Power





CITIZENS' ELECTRIC COMPANY

1775 INDUSTRIAL BLVD • P.O. BOX 551 • LEWISBURG, PA 17837-0551 • (570) 524-2231 • FAX: (570) 524-5887

July 19, 2007

ORIGINAL

Mr. James J. McNulty, Secretary
Pennsylvania Public Utility Commission
PO Box 3265
Harrisburg, PA 17105-3265

L-00030161

Dear Mr. McNulty,

Enclosed please find an original and six copies of the Second Quarter, 2007 Reliability Report for Citizens' Electric Company.

Please contact me at 570-522-6143 or kelchnerj@citizenselectric.com if I can answer any questions.

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Sincerely,

John A. Kelchner, PE
Vice President, Engineering & Operations

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JUL 20 2007

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

cc: Pennsylvania Office of Consumer Advocate
Pennsylvania Office of Small Business Advocate
Darren Gill (via email)

Citizens' Electric Company
 Quarterly Service Reliability Report
 Second Quarter, 2007
 Prepared by John A. Kelchner, PE
 Vice President of Engineering & Operations
 570-522-6143
kelchnerj@citizenselectric.com
 April 24, 2007

§ 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.

On May 10th, a strong thunderstorm with frequent lightning moved through the area causing equipment damage and outages. While winds were not excessive during this storm, the lightning associated with it was significant. Crews reported observing a large number of strikes as the storm moved across our territory. This storm was approved for exclusion as a Major Event on June 6th.

Date	Time First Call Received	Duration of Event (Minutes)	# of Customers Affected	Cause
5/10/2007	3:59 PM	247	882	Weather

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

§ 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.

Index	Rolling 12-Month Value for Quarter	Benchmark	Standard
SAIFI	0.29	0.21	0.27
SAIDI	19	21	38
CAIDI	64	105	141

Total # of Customers Served	# of Interruptions	# of Customers Affected	Customer Minutes
6,716	69	1,981	126,804

The following outages were submitted for exclusion as Major Events during the preceding 12-month period and are not included in the above calculations:

Date	# of Customers Affected	Customer Minutes
3/19/2007	947	98,488
5/10/2007	882	46,904

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§ 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.

Outage Cause	Number of Interruptions	% of Interruptions	Number of Customers Affected	Customer Interruption Minutes
On R/W Trees	0	0	0	0
Animals	26	37.7	448	20,008
Equipment	17	24.6	223	24,841
Off R/W Trees	2	2.9	27	1,035
Weather	15	21.7	395	27,833
Vehicle	4	5.8	809	48,099
Other	5	7.2	79	4,988
Total	69		1981	126,804

Discussion

The largest contribution of interruption minutes this quarter came from vehicles. The most significant of these was an outage on June 17th when a vehicle left the roadway at 1:06 AM and struck a pole, breaking it and interrupting service to 311 customers. Most customers were restored in 84 minutes. On June 19th, a concrete truck working in a residential area snagged a telephone line and broke a pole. This interrupted service to 480 customers. 446 of these customers were restored within 27 minutes.

We are continuing to aggressively install wildlife protection in an effort to reduce animal induced outages.

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU



Orange & Rockland
 a ConEdison, Inc. company
 (845) 577-3341

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

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July 20, 2007

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 2007 JUL 23 PM 2:28
 SECRETARY'S BUREAU

Pennsylvania Public Utility Commission
 P.O. Box 3265
 Harrisburg, PA 17105-3265

**DOCUMENT
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Attention: Secretary James J. McNulty

Re: Second Quarter 2007 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 2007 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.)

Enclosures

cc: Office of Consumer Advocate
 Office of Small Business Advocate

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2007 JUL 23 PM 2: 29

SECRETARY'S OFFICE

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Pike County Light and Power Company

(Orange and Rockland Utilities, Inc.)

Quarterly Reliability Report

Second Quarter 2007

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JUL 24 2007

§ 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 2007 Major Events

Date	Time	Circuit	Cause	Duration	Customers Affected	Cust Min of Interruption
6/27/2007	7:58 PM	L7-6-34	Lightning	100 min.	2,204	220,400

2nd Quarter 2007 Pre-Arranged Outages

Date	Time	Circuit	Duration	Customers Affected	Cust Min of Interruption
6/21/2007	9:56 AM	104-03-13	112 min.	91	10,192

SECURITY INFORMATION

2007 JUL 23 PM 2: 29

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§ 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	Interruptions	Customers Affected	Customer Min of Interruptions
2006	3rd Qtr	4,444	68	5,613	666,434
2006	4th Qtr	4,461	66	5,192	736,870
2007	1st Qtr	4,470	59	4,780	560,420
2007	2nd Qtr	4,477	57	3,176	510,914

Performance Ratios - Rolling 12-Month Data

	Frequency SAIFI	Restoration CAIDI (Min)	Duration SAIDI (Min)
Benchmark	.61	174	106
Rolling 12 Month Standard	0.83	235	195

Year	Qtr	Frequency SAIFI	Restoration CAIDI	Duration SAIDI
2006	3rd Qtr	1.26	119	150
2006	4th Qtr	1.16	142	165
2007	1st Qtr	1.07	117	125
2007	2nd Qtr	0.71	161	114

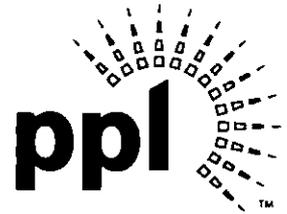
§ 57.195. (e)(5) A rolling 12-month breakdown and analysis of outage causes during the preceding quarter, including the number and percentage of service outages, the number of customers interrupted, and customer interruption minutes categorized by outage cause such as equipment failure, animal contact,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

Second Quarter 2007
Cause Analysis
Rolling 12 Months Data
*Excludes Storms, Major Events, Pre-Arranged

Cause	# of Interruptions	% of Total Interruptions	Customers Affected	% of Customers Affected	Customer Minutes	% of Customer Minutes
Animal Contact	4	7%	568	18%	64,500	13%
Tree Contact	27	47%	1,206	38%	297,389	58%
Overload	-	-	-	-	-	-
Work Error	-	-	-	-	-	-
Equip. Failure	9	16%	348	11%	38,243	7%
Non-Comp Acc.	7	12%	482	15%	43,519	9%
Custmr Problem	-	-	-	-	-	-
Lightning	4	7%	273	9%	30,130	6%
Unknown-Other	6	11%	299	9%	37,133	7%
All Causes	57		3,176		510,914	

Paul E. Russell
Associate General Counsel

PPL
Two North Ninth Street
Allentown, PA 18101-1179
Tel. 610.774.4254 Fax 610.774.6726
perussell@pplweb.com



FEDERAL EXPRESS

July 30, 2007

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

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JUL 30 2007

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

**Re: PPL Electric Utilities Corporation
Quarterly Reliability Report for the
Period Ended June 30, 2007
Docket No. L-00030161**

**DOCUMENT
FOLDER**

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, 2007. Also enclosed, in a sealed envelope, is a copy of the report containing competitively sensitive and proprietary information. The Company hereby requests that the Commission treat that information and the report containing the information as privileged and confidential. 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 30, 2007, 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,

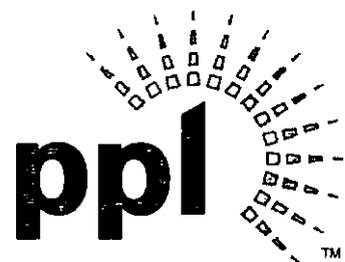
Paul E. Russell

Enclosures

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

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PPL Electric Utilities

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

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JUL 30 2007

July 2007

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

DOCKETED
AUG 7 2007

- (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 events during this quarter that met the criteria for a major event.

- (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, 2007.

SAIFI (Benchmark = 0.98; Rolling 12-month Std. = 1.18)	1.201
CAIDI (Benchmark = 145; Rolling 12-month Std. = 174)	163
SAIDI (Benchmark = 142; Rolling 12-month Std. = 205)	196
MAIFI¹	6.646
Average Number of Customers Served²	1,366,205
Number of Sustained Customer Interruptions (Trouble Cases)	22,392
Number of Customers Affected³	1,641,460
Customer Minutes of Interruptions	267,917,125
Number of Customer Momentary Interruptions	9,079,958

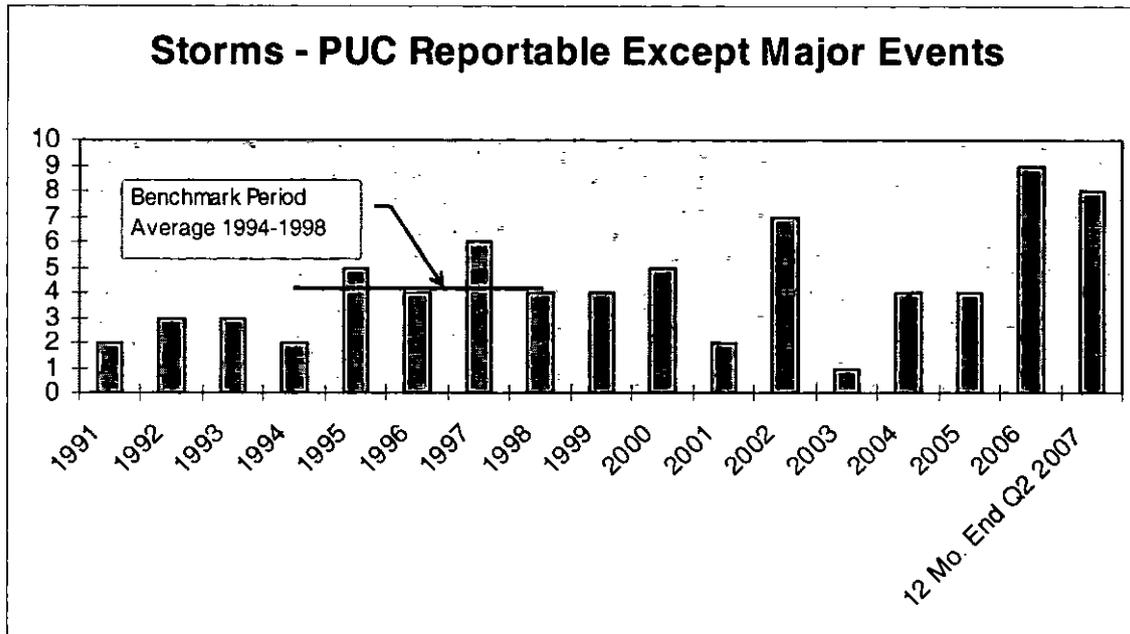
During the 2nd quarter, there were three (3) PUC-reportable storms ($\geq 2,500$ customers interrupted for ≥ 6 hr.) and nine (9) storms that were not reportable, but which did require opening one or more area emergency centers to manage restoration efforts. Current storm experience remains extraordinary compared to historical norms.

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

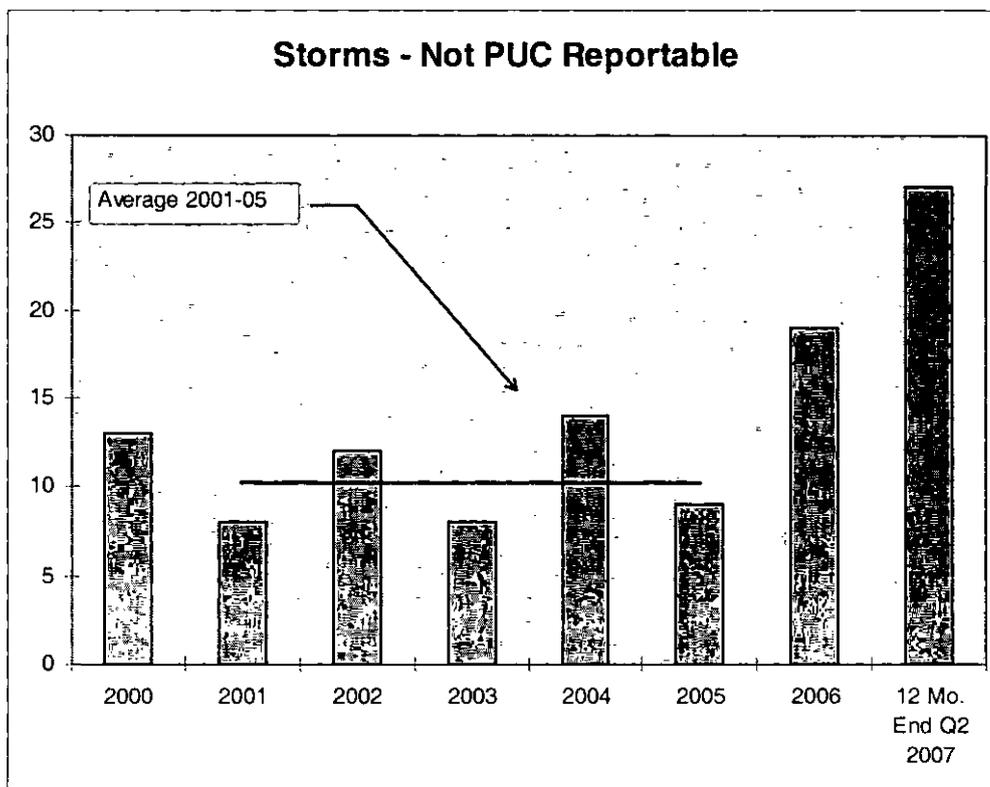
² PPL Electric calculates the annual indices using customers served at the end of the period. This is consistent with the method used to calculate PPL Electric's benchmarks.

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.

Specifically, during the twelve-month reporting period, there were eight (8) PUC-reportable storms ($\geq 2,500$ customers interrupted for ≥ 6 hr.). This is well above the average of 4.2 storms per year during the benchmark years, 1994-1998.



In addition, there were twenty-seven (27) storms that were not reportable, but which did require opening one or more area emergency centers to manage restoration efforts. This is 165% higher than the average of 10.2 storms per year for the five years from 2001 through 2005.



(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 quarter⁴. An explanation of how PPL Electric defines its worst performing circuits is included in Appendix A⁵.

WPC Rank	Feeder ID	SAIFI	CAIDI	SAIDI	MAIFI ⁶	Customers	Cases of Trouble ⁷	Customer Minutes Interrupted	CPI
1	45102	1.85	1,674	3,091	8.15	182	7	562,604	1110
2	26602	6.15	177	1,086	6.03	2,963	120	3,216,804	1038
3	66502	8.75	209	1,826	40.74	737	38	1,346,085	973
4	11001	5.23	187	980	6.98	866	66	848,781	951
5	28302	4.75	282	1,338	9.01	2,810	87	3,760,364	937
6	57401	5.44	131	713	0.00	1,449	28	1,033,599	927
7	23604	1.43	1,744	2,501	6.01	2,507	31	6,270,014	926
8	46101	4.59	86	393	5.99	1,112	8	437,049	901
9	41101	4.55	165	752	1.02	1,026	11	771,739	894
10	27203	5.05	88	445	7.99	469	13	208,842	876
11	45101	2.29	944	2,163	8.06	161	6	348,249	867
12	63403	3.71	460	1,707	7.98	1,419	44	2,422,309	860
13	67702	4.25	152	644	5.99	879	21	566,432	854
14	11506	5.46	117	638	3.98	1,285	68	820,405	847
15	17803	5.82	109	633	11.99	2,493	71	1,577,763	845
16	10803	3.11	333	1,033	1.01	150	9	154,973	841
17	20403	5.28	131	692	0.99	1,885	58	1,303,852	823
18	42503	4.39	220	967	4.11	2,015	12	1,948,898	816
19	15701	3.63	150	543	12.04	2,225	46	1,208,352	806
20	64802	4.63	89	412	0.00	1,251	31	515,486	800
21	60104	5.18	98	506	0.00	2,041	54	1,033,065	788
22	47802	4.39	96	419	14.44	2,426	14	1,016,124	778
23	60603	4.79	141	676	3.08	2,083	69	1,408,600	773
24	12402	3.87	230	892	4.06	1,353	52	1,207,231	769

⁴ One feeder (15401 with 13 customers) that the calculation method identified among the worst performing due to a data error was deleted from this listing.

⁵ The new CPI calculation used for the first time in the 2nd quarter of 2007 results in higher absolute CPI values than the formula previously used. As a result, these CPI values may not be compared to those calculated prior to the 2nd quarter of 2007.

⁶ MAIFI data is obtained at the substation breaker and does not include momentary interruptions at lower level devices.

⁷ Cases of trouble are the number of sustained customer service interruptions.

WPC Rank	Feeder ID	SAIFI	CAIDI	SAIDI	MAIFI ⁶	Customers	Cases of Trouble ⁷	Customer Minutes Interrupted	CPI
25	17002	4.22	145	611	14.02	1,264	34	772,079	765
26	23603	2.22	836	1,854	6.07	306	6	567,378	763
27	67401	3.84	141	541	5.04	1,371	51	741,309	704
28	60802	3.66	129	470	4.03	691	29	324,947	703
29	53602	4.81	119	570	2.08	3,351	104	1,911,646	690
30	11302	4.3	35	149	20.16	1,939	22	289,129	675
31	14604	3.51	216	759	9.05	336	20	255,085	673
32	13904	1.25	1,323	1,649	22.42	1,488	12	2,454,092	672
33	27901	3.15	227	715	0.00	1,235	40	882,804	643
34	15601	3.2	143	459	13.97	2,368	55	1,086,112	636
35	60903	3.33	266	885	9.00	1,223	18	1,081,805	632
36	28601	2.98	465	1,387	9.02	2,067	41	2,866,599	627
37	22601	3.36	207	695	4.02	1,952	56	1,356,226	625
38	24603	3.85	135	521	2.00	1,519	72	791,162	619
39	24602	3.3	197	651	2.01	1,505	56	979,936	616
40	16405	4.14	82	338	15.45	267	11	90,360	614
41	63402	2.81	413	1,160	11.01	1,870	22	2,169,065	609
42	53902	2.13	483	1,028	6.01	1,097	46	1,128,158	595
43	45302	3.98	184	733	3.07	1,560	56	1,142,828	594
44	12102	3.39	131	442	5.02	1,960	52	866,927	590
45	42301	1.54	856	1,317	3.08	840	32	1,106,161	581
46	22402	1.81	698	1,264	7.01	1,302	20	1,645,857	578
47	16401	3.55	164	583	11.03	675	29	393,255	572
48	27101	2.88	288	829	2.06	2,673	88	2,216,865	562
49	26601	1.97	512	1,011	4.01	1,274	49	1,288,387	559
50	16403	2.54	235	595	15.10	801	15	476,669	557
51	40503	3.35	159	534	8.06	2,281	61	1,218,595	555
52	64202	3.65	151	550	4.07	998	45	549,024	550
53	56802	3.19	178	569	17.07	2,230	60	1,268,168	547
54	45303	3.48	110	383	13.15	1,289	48	494,298	544
55	42801	2.55	307	783	9.21	847	21	663,546	539

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 which occurred during the time span to determine if there are causal patterns, or geographic patterns, for which corrective actions are feasible that 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).

Rank	Action	Status	Due/Complete	Result	
1	Circuit ID: 45102 CASS 51-02			Location: Central	CPI: 1110
	7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2006	2 significant outages contributed to a very high CAIDI.	
	9/25/2006: Evaluate potential ties. Tie from Marlin 71-03 to Cass 51-02 to serve from alternate source being evaluated.	Completed	5/31/2007	Reduced outage duration. WR 284417 extend additional phase conductor from Marlin 71-3 line for 1 mile, extend 3 phases 2000 ft. to Cass 51-02 line. Add neutral to 23 kv line. Remove 2 stepdowns and eliminate 2 miles of inaccessible 23 kv line.	
	4/10/2007: Line being served from alternate source permanently.	Completed	5/31/2007	Reduced outage duration. By serving this line at our standard voltage, restoration and maintenance times should see improvement. Also nearly 2 miles of inaccessible line has been eliminated from the source of this circuit.	
2	Circuit ID: 26602 BROOKSIDE 66-02			Location: Scranton	CPI: 1040
	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.	
	Expanded Operational Review. Voltage Profile Completed 7/24/2006.	Completed	7/31/2006	Voltage Profile Completed 7/24/2006. Reliability profile Completed 09/29/2006.	
	Line being reconductored for 0.3 miles (WR# 233124)	Scheduled for	9/30/2007		
	11/4/2005: Sectionalizer being replaced (WR#269977). Additional sectionalizing opportunities being considered by field engineer.	Completed	1/30/2007	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.	
	5/3/2006: Install fault indicators	Completed	5/30/2007	Additional fault indicators will decrease length of customer outages by allowing troubleshooters to determine where fault occurred more quickly	
	Monitor future performance.	Ongoing			
3	Circuit ID: 66502 SOUTH MANHEIM 65-02			Location: Lancaster	CPI: 973
	12/6/2005: Load balancing.	Completed	7/26/2006	Maintain voltage levels	
	5/10/2007: Perform line maintenance identified by line inspection. Replacing crossarms and associated hardware on poles 38273s29416, 38262s29456, 38257s29477	Scheduled for	8/15/2007	Reduced outage risk.	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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4 Circuit ID: 11001 EAST GREENVILLE 10-01

Location: Bethlehem

CPI: 951

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.
Thermographic inspection-OH line. Perform Thermovision on this circuit, analyze results, and make repairs.	Completed	9/30/2006	Reduced outage risk.
Install telemetrics on electronic OCR	Completed	10/30/2006	Reduced outage duration. This equipment will allow the System Operator to open and close the OCR remotely.
Tree trimming-selected line segments only (hot spots).	Completed	11/28/2006	Reduced outage risk.
Reconductor line.	In progress	11/30/2007	Reduced outage risk.
Tree trimming.	Completed	3/3/2007	Reduced outage risk.
Improve sectionalizing capability. Additional fuses will be added as well.	Scheduled for	8/31/2007	Project being developed to resectionalize trouble spots, and add better fusing scheme to limit customer exposure. Inaccessible portion of the line will be refed from a new single phase section. Currently being developed to be placed in service as soon as possible.
1/1/2007: Expanded Operational Review.	Completed	2/9/2007	Operational Review completed 2/6/07. Reliability Review completed 2/9/07.
Thermographic inspection-OH line.	Completed	2/10/2007	Reduced outage risk.

5 Circuit ID: 28302 NEWFOUNDLAND 83-02

Location: Pocono

CPI: 937

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 failing.
1/1/2007: Expanded Operational Review. Line will be modeled and studied for reliability	Scheduled for	10/31/2007	
11/2/2006: Thermographic inspection-OH line.	Completed	12/30/2006	Thermovisioning will help identify potential hot spots and failure points. This will help prevent customer outages.
Reconductor line. Over 4 miles of line will be rebuilt and reconducted along the road	Scheduled for	11/30/2008	Rebuilding and relocating the line will reduce probability of outages as well as duration of outages seen by customers
Thermographic inspection-OH line.	Completed	3/30/2007	
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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6 Circuit ID: 57401 SPANGLER 74-01

Location: West Shore

CPI: 927

5/5/2005: Perform line maintenance identified by line inspection. Replace ridge pin	Completed	8/23/2005	Reduced outage risk.
7/5/2005: Test underground cable. Cure Tested Cable	Completed	12/5/2005	Reduced outage risk.
Monitor ground tripping.	Completed	12/31/2005	
Monitor future performance.	Completed	12/31/2005	
1/1/2007: Expanded Operational Review. Reliability Review	Completed	2/15/2007	
Thermographic inspection-OH line.	Completed	3/19/2007	Reduced outage risk.
Install fuse(s). Install 7 new tap fuses	Completed	7/16/2007	
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list. 2nd quarter, four breaker interruptions major contributing factor. Corrected operating condition that allowed overtrip on OCR. In addition, projects are identified that will reduce CPI	Completed	7/18/2007	
Install fuse(s). Change fuse sizing for better coordination	Scheduled for	9/15/2007	Reduced customer count affected by each outage.
Reconductor line. Reconductoring 2000' #4 Cu Main Line	Scheduled for	11/30/2007	Reduced outage risk.
An intelligent switching project has been identified to reduce customer minutes lost.	Scheduled for	12/31/2008	Reduced customer count affected by each outage.
Install new line and terminal. Installing new line and terminal at splangler. Increasing sectionalizing when line split in half. Adding SCADA	Scheduled for	5/31/2009	Reduced customer count affected by each outage.

7 Circuit ID: 23604 WRIGHT 36-04

Location: Wilkes-Barre

CPI: 926

1/9/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2007	December 1st 2006: Tornado damaged nearly a mile of primary conductor. Probability of a similar storm is small. Improved protection scheme could have reduced the number of customers affected. Further analysis needed.
Thermographic inspection-OH line.	Completed	3/16/2007	
Install LBAS(s).	Completed	3/12/2007	Reduced customer count affected by each outage.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>	
8	Circuit ID: 46101 MAHANoy CITY 61-01			Location: Central	CPI: 901
	2/8/2007: Expanded Operational Review. Voltage Profile Completed in 2006. Expanded Operational review completed on 2/8/07. Field WR Review in Progress.	EOR initiated	12/31/2007	Reliability review completed 2/8/07	
	Line inspection-equipment.	Completed	7/18/2007	Reduced outage risk. WR 357634 Repairs for two minor maintenance items completed after line patrol.	
	Install 3 phase OCR(s).	In progress	12/31/2007	WR 359597 Installing three phase electronic OCR along SR 54 West of Mahanoy City.	
	2/8/2007: Install 3 phase OCR(s).	In progress	12/31/2007	Reduced customer count affected by each outage. WR 385376 Install three phase electronic sectionalizer along Linden Street in Mahanoy City between Market and Pine Streets.	
	2/8/2007: Install sectionalizers.	Scheduled for	8/30/2007	Reduced customer count affected by each outage. WR 385394 Install Tap Fuse and Load Break Disconnect along single phase tap in Patriotic Hill	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
9	Circuit ID: 41101 TREMONT 23/12KV 11-01			Location: Central	CPI: 894
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
10	Circuit ID: 27203 YATESVILLE 72-03			Location: Wilkes-Barre	CPI: 876
	3/28/2006: Perform line maintenance identified by line inspection.	Completed	5/12/2006	Reduced outage risk.	
	1/1/2007: Expanded Operational Review. Voltage profile complete 3/6/2007. Field review complete 4/25/07.	Completed	4/25/2007		
	Install fuse(s).	Completed	5/17/2007	Reduced outage risk.	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
11	Circuit ID: 45101 CASS 51-01			Location: Central	CPI: 867
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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12 Circuit ID: 63403 HONEYBROOK 34-03

Location: Lancaster East

CPI: 860

Install fuse(s). 2005 SAIDI project to install 6 fuses	Completed	12/31/2005	Reduced customer count affected by each outage.
1/1/2006: Expanded Operational Review. Rel. completed per 2005 SAIDI project; Voltage profile completed 8-30-2006	Completed	8/30/2006	Reduced outage duration.
Thermographic inspection-OH line. Scan completed 8/06	Completed	8/28/2006	Reduced outage risk.
4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2007	
6/8/2007: Install LBAS(s). Install Fault Indicators on a normally closed load break air switch	Scheduled for	8/20/2007	Reduced outage duration.

13 Circuit ID: 67702 WERNERSVILLE 77-02

Location: Lancaster East

CPI: 854

8/3/2005: Install fuse(s). Fall 2005 SAIDI Project	Completed	8/3/2005	Reduced customer count affected by each outage.
10/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2006	
4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

14 Circuit ID: 11506 FREEMANSBURG 15-06

Location: Bethlehem

CPI: 847

One of the single phase taps where the fuse has blown several times was inspected and all maintenance items identified.	Completed	3/30/2006	Reduced outage risk. Maintenance issues on this single phase tap have been addressed.
2/13/2006: Line inspection-vegetation. Several locations were found in need of some tree trimming.	Completed	5/1/2006	Reduced outage risk. Hot Spot tree trimming completed.
Tree trimming-selected line segments only (hot spots).	Completed	6/30/2006	Reduced outage risk. Trimming to start in early May.
10/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/27/2006	Circuit breaker tripped when tree limb fell on line during Tropical Storm Ernesto resulting in a 2-1/2 hour outage for all customers on this circuit.
4/3/2006: Expanded Operational Review.	Completed	12/4/2006	Reduced outage risk.
Monitor future performance.	Ongoing		Trimming and other minor work appears to have improved performance. Monitoring will continue.
Thermographic inspection-OH line.	Completed	2/2/2007	Reduced outage risk.
Tree trimming.	Completed	5/11/2007	Reduced outage risk.

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

Location: Pocono

CPI: 845

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.	Completed	12/31/2006	Reduced outage duration. Installed OCR at 62931N28780.
Improve sectionalizing capability.	Completed	12/31/2006	Reduced outage duration. Circuit review and analysis by field engineer completed 9/30/06 Identified one location to install OCR/sectionalizer.
9/15/2006: Expanded Operational Review. Reviewed possibilities for installing sectionalizing devices.	Completed	12/30/2006	Inconclusive. Monitor future performance. Identified one location to install an OCR/Sectionalizer. Installed OCR at grid 62931N28780.
Thermographic inspection-OH line.	Scheduled for	12/31/2007	Reduced outage risk.
Install fuse(s). Single Phase Tap fuses(Beltzville Lake Estates)	In progress	12/31/2007	Reduced customer count affected by each outage.
Install fuse(s). Single Phase Tap fuses(Kunkle Tap)	In progress	12/31/2007	Reduced customer count affected by each outage.
Install 3 phase OCR(s). Replace 140A Hydraulic OCR with 400A(280 Trip Setting) Electronic OCR (WR 364256)	In progress	12/31/2007	Reduced outage risk. Connected Load Exceeded
1/1/2007: Expanded Operational Review.	Completed	6/29/2007	Reduced outage risk. Thermovision inspection, Single Phase Tap fuses(Beltzville Lake, Kunkle Taps), Increase size of three phase OCR(WR364256)

16 Circuit ID: 10803 CHERRY HILL 08-03

Location: Bethlehem

CPI: 841

4/3/2006: Expanded Operational Review. Adding 100 KVAR. Tie to Met-Ed in construction to improve reliability.	Completed	10/6/2006	Reduced outage risk.
Monitor future performance of line.	Ongoing		
Investigating border line agreement with Met Ed Utility. Currently reviewing costs and business plan of creating a substation back up to feed the line in an emergency. New PPL served substation also being evaluated.	Completed	2/13/2007	Reduced outage duration.
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

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

Location: Central

CPI: 823

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.	Completed	2/9/2006	Reduced outage risk. WR 244373 (Bowmanstown Tap Transfer) and WR 260692 (C-Tag Pole Replacement).
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.	Completed	6/22/2006	Reduced outage risk. WR 294596 Install 3 Single Phase Voltage Regulators.
Install 1 phase OCR(s).	Completed	7/7/2006	Reduced customer count affected by each outage. Kepner Road single phase OCR installed on WR 229908.
7/5/2006: Reconductor line.	Completed	7/7/2006	Reduced outage risk. WR 229908 Reconductor 1.4 miles of line - convert Kepner Tap from single phase to three phase.
7/5/2006: Expanded Operational Review. Voltage profile completed 8/18/06. Reliability review completed 8/31/06. Field WR review completed 6/14/06.	Completed	8/31/2006	Installed 3 single phase voltage regulators, reconducted 1.4 miles of line, installed 1 new single phase OCR and upgraded 4 existing OCRs to accommodate load growth. Also submitted budget item request to reconductor approximately 3 miles of three phase line - budget item was subsequently denied in deference to installing the 3 single phase voltage regulators.
Tree trimming.	Completed	3/31/2006	Reduced outage risk.
Upgrade OCRs	Completed	6/14/2006	Reduced outage risk. WR 270419 upgraded 2 single phase OCRs and changed the settings on 2 three phase OCRs in order to accommodate load growth downstream of the Dorset Tap.
Reconductor line. Reconductor approximately 3 miles of three phase line.	Completed	5/4/2006	Installed 3 single phase voltage regulators instead.
Monitor future performance.	Ongoing		

18 Circuit ID: 42503 ALTAMONT 25-03

Location: Central

CPI: 816

7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	
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<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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19 Circuit ID: 15701 TANNERSVILLE 57-01

Location: Pocono

CPI: 806

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.
Relocate inaccessible line.	Completed	12/31/2006	
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.	Completed	12/31/2006	Reduced outage risk.
6/30/2006: Install one LBAS	Completed	9/30/2006	
7/1/2006: Monitor future performance.	Ongoing		
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

20 Circuit ID: 64802 MOUNT NEBO 48-02

Location: Lancaster East

CPI: 800

Evaluate potential ties.	Completed	9/26/2005	Four different potential ties to this circuit were evaluated. All four were found to be cost prohibitive. The expected benefit of the tie lines did not exceed the excessive costs.
Improve sectionalizing capability. WR 243487 - install one single phase OCR and 2 slot fuses	Completed	12/31/2005	Reduced customer count affected by each outage. Work requests have been initiated to install 1 new single phase OCR and 2 slot fuses. This work has been completed.
Improve sectionalizing capability.	Completed	1/31/2006	Reduced customer count affected by each outage. Work requests have been initiated to install 1 new single phase OCR and 6 slot fuses. This work has been completed. WR 243495
Evaluate potential ties.	Completed	5/19/2006	Reduced outage duration. It was determined that building a tie around an inaccessible section of circuit and essentially tying the circuit to itself was a cost effective way to minimize outage duration on this circuit.
Thermographic inspection-OH line. Scan completed 8/06	Completed	8/28/2006	Reduced outage risk.
1/1/2006: Expanded Operational Review. Profile Complete 9-22-2006 Reliability Complete Fall 2005 SAIDI	Completed	9/22/2006	Reduced outage risk. See subsequent records for reliability work
Monitor future performance.	Ongoing		
Install tie.	Scheduled for	12/31/2007	Reduced outage duration.
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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21 Circuit ID: 60104 COCALICO 01-04

Location: Lancaster East

CPI: 788

Thermographic inspection-OH line. replace left stem on B phase Xfmr 44951S34843 replace all spades on 45132S33113	Completed	3/1/2006	Reduced outage risk.
1/1/2007: Expanded Operational Review. Voltage Profile Completed 1-2-2007	Completed	12/31/2007	Reduced customer count affected by each outage.
Reliability Analysis Completed 1-2-2007			
1/3/2007: Install FI's on N.C. LBAS @ 45327s34421	Completed	2/8/2007	Reduced customer count affected by each outage.
4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2007	
Relocate inaccessible line. relocate poles @ 45470s23740 & 45462s23740 due to multiple pole hits around hard S-turn	Completed	4/30/2007	Reduced outage risk.
Install fuse(s). Fuse 2 unfused taps to protect main three phase line	Scheduled for	8/30/2007	Reduced customer count affected by each outage.

22 Circuit ID: 47802 MOUNT CARMEL 78-02

Location: Central

CPI: 778

2/8/2007: Expanded Operational Review. Voltage Profile in Progress. Reliability Review Completed 2/08/07. Reliability WR Review Completed 7/2/07.	EOR initiated	12/31/2007	Reliability review completed 2/8/07
Line inspection-equipment.	Scheduled for	12/31/2007	Line Inspection by Line Maintenance Inspector.
Install 3 phase OCR(s).	Scheduled for	8/31/2007	Reduced customer count affected by each outage. WR 377396 Install new OCR on Shamokin Reservoir tap near Aristes
Perform line maintenance identified by line inspection.	Scheduled for	8/31/2007	WR 357631 Reliability work as a result on Line inspection patrol.
Install 3 phase OCR(s).	Canceled	5/24/2007	Reduced outage duration. WR 366396 Install 3 phase OCR at pole 38848N24236
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>	
23	Circuit ID: 60603 NORTH COLUMBIA 06-03			Location: Lancaster	CPI: 773
	7/24/2006: Install animal guard(s).	Completed	8/11/2006	Reduced outage risk. Installed Animal Guards	
	Thermographic inspection-OH line. Scan completed 8/06	Completed	8/28/2006	Reduced outage risk.	
	1/1/2006: Expanded Operational Review. Profile complete 3/1/06. Rel Pres - Completed during Fall 2005 SAIDI Project	Completed	9/13/2006	Reduced customer count affected by each outage. See subsequent records for reliability work	
	Test underground cable. Susquehanna Farms (URD 401), replacing 12 of 15 sections of cable	Completed	9/26/2006	Reduced outage risk.	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
	Tree trimming.	Scheduled for	8/31/2007		
	Perform line maintenance identified by line inspection.	Scheduled for	8/31/2007		
24	Circuit ID: 12402 MILFORD 24-02			Location: Bethlehem	CPI: 769
	Tree trimming.	Completed	11/1/2006	Reduced outage risk.	
	10/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/27/2006	This circuit experienced 3 major outages over the past year due to a pole hit, and trees falling on the line during a thunder and lightning storm and during tropical storm Ernesto.	
	1/1/2007: Expanded Operational Review.	Completed	4/12/2007	Reduced outage risk.	
	Thermographic inspection-OH line.	Completed	2/9/2007	Reduced outage risk. Nothing found.	
	Perform maintenance based on results of Expanded Operational Review including installation of animal guards, replacing lightning arrestors, and replacing fuses.	Completed	6/20/2007	Reduced outage risk.	
	Fault current indicators on load breaks and install animal guards	In progress	9/30/2007	Reduced outage risk.	
25	Circuit ID: 17002 RIDGE ROAD 70-02			Location: Bethlehem	CPI: 765
	Expanded Operational Review.	Completed	9/21/2006		
	10/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/27/2006	This circuit experienced 2 storms in the 3rd quarter of 2006, including tropical storm Ernesto, that resulted in outages due to trees on the line.	
	Tree trimming-selected line segments only (hot spots).	Completed	2/2/2007	Reduced outage risk.	
	Review line for additional sectionalizing	Scheduled for	12/31/2007	Reduced outage risk.	
	Thermographic inspection-OH line.	Completed	4/15/2007		
	4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/25/2007	Rain storms in August and September 2006 caused the circuit breaker to fail on one occurrence and trip multiple times on other occurrences. A circuit recloser operated during a lightning storm. During the fourth quarter of 2006 and the first quarter of 2007 this circuit had few cases of trouble.	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>	
26	Circuit ID: 23603 WRIGHT 36-03			Location: Wilkes-Barre	CPI: 763
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
27	Circuit ID: 67401 WAKEFIELD 74-01			Location: Lancaster East	CPI: 704
	Reconductor line. WR 295519 created to remove inaccessible line and eliminate tree conditions causing outages	Completed	6/13/2006	Reduced outage risk.	
	1/1/2006: Install fuse(s). Work request created to install 13 fuses	Completed	8/18/2006	Reduced customer count affected by each outage.	
	Thermographic inspection-OH line. Scan completed 8/06	Completed	8/28/2006	Reduced outage risk.	
	4/30/2006: Expanded Operational Review. Profile complete 9/21/06 Reliability completed 2005 SAIDI	Completed	11/2/2006	Reduced customer count affected by each outage. See subsequent records for reliability	
	Relocate inaccessible line. Remove inaccessible single phase line to improve performance-Holding for R/W	Completed	11/2/2006	Reduced outage duration.	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
28	Circuit ID: 60802 BUCK 08-02			Location: Lancaster East	CPI: 703
	Thermographic inspection-OH line.	Completed	2/1/2007	Reduced outage risk.	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
	1/1/2007: Expanded Operational Review.	EOR planned	12/31/2007		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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29 Circuit ID: 53602 DALMATIA 36-02

Location: Harrisburg

CPI: 690

Line inspection-equipment.	Completed	8/31/2005	Found a pole on an island in the river crossing requiring replacement due to bank erosion.
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.
2/17/2006: 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. This section was previously served by the Halifax 39-1 circuit.
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.
Tree trimming-selected line segments only (hot spots). Extensive trimming outside of ROW.	Completed	3/31/2006	Reduced outage risk.
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.
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
Thermographic inspection-OH line.	Completed	9/20/2006	Reduced outage risk.
2/14/2006: Tree trimming. Remainder of line.	Completed	10/30/2006	Reduced outage risk.
Install fuse(s). Additional fusing- West Shore portion of ckt	Completed	11/30/2006	Reduced customer count affected by each outage. Install 5 tap fuses WR#326196
Line inspection-equipment. Field patrol 21 rural circuit miles.	Completed	3/14/2007	Reduced outage risk.
Improve sectionalizing capability. Engineering to evaluate benefits of telemetric controlled OCR locations	Completed	5/15/2007	Reduced outage duration.
Replace pole on island in the river crossing weakened due to bank erosion.	Scheduled for	10/30/2007	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 10/30/07.

30 Circuit ID: 11302 EMMAUS 13-02

Location: Lehigh

CPI: 675

7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	
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<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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31 Circuit ID: 14604 SO WHITEHALL 46-04

Location: Lehigh

CPI: 673

Install Fault Indicators	Completed	5/10/2006	Reduced outage duration.
Expanded Operational Review. Profiling in 2006.	Completed	6/27/2006	Profile completed on 4/13/06. Reliability review completed on 6/27/06. Line in good working order.
Load balancing. Changing one tap to different phase.	Completed	7/6/2006	Engineering complete. Awaiting field completion. Tap change completed.
Thermographic inspection-OH line.	Completed	8/17/2006	Reduced outage risk.
10/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/27/2006	This circuit experienced 3 storms during the 3rd quarter of 2006 including tropical storm Ernesto which resulted in several outages due to trees on the line.
Install Fault Indicators.	Completed	3/16/2007	Reduced outage duration. Engineering complete 6/27/06. Awaiting completion in field.
Tree trimming.	Completed	2/1/2007	Reduced outage risk.
4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/24/2007	This circuit experienced several storms in the second and third quarters of 2006. During the fourth quarter of 2006 and the first quarter of 2007 this circuit had few cases of trouble; consequently, the CPI was very low during those quarters. The feeder was trimmed in January 2007.
Line inspection-equipment.	Scheduled for	12/31/2007	Reduced outage risk.

32 Circuit ID: 13904 SEIDERSVILLE 39-04

Location: Bethlehem

CPI: 672

1/1/2007: Expanded Operational Review.	EOR planned	12/31/2007	
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

33 Circuit ID: 27901 BEAR CREEK 79-01

Location: Wilkes-Barre

CPI: 643

7/16/2005: Perform line maintenance identified by line inspection.	Completed	9/28/2005	Reduced outage risk.
Improve sectionalizing capability.	Scheduled for	7/27/2007	Reduced customer count affected by each outage.
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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34 Circuit ID: 15601 NO STROUDSBURG 56-01

Location: Pocono

CPI: 636

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.	Completed	9/30/2006	Reduced outage risk. Nothing found.
11/22/2005: Tree trimming.	Completed	12/31/2006	Reduced outage risk. completed
1/13/2006: Install fuse(s). WR 224008	Completed	5/3/2006	Reduced customer count affected by each outage.
6/15/2006: Evaluate potential ties.	Completed	9/30/2006	Reduced outage duration.
1/1/2007: Expanded Operational Review.	Completed	2/26/2007	Reduced outage risk. Voltage profile complete. Sectionalizing study complete. New L/T 56-04 scheduled for end of this year will relieve the 56-01 of load, thus reducing outage risk and improving voltage support.

35 Circuit ID: 60903 DONEGAL 09-03

Location: Lancaster

CPI: 632

6/29/2007: Install animal guard(s). Install animal guards on LBAS - 34300s28596, 34667s28517, 34732s28502	Scheduled for	8/30/2007	Reduced outage risk.
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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36 Circuit ID: 28601 BLYTHEBURN 86-01

Location: Wilkes-Barre

CPI: 627

10/10/2005: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/21/2005	March Snowstorm is the main contributor this circuit performance. Only one significant outage since.
12/8/2005: Line inspection-equipment.	Completed	1/31/2006	Reduced outage risk. Line Maintenance Inspection should proactively prevent equipment failures.
Line inspection-equipment. Replace bridges disconnects on sub getaway with air load break disconnects.	Completed	5/16/2006	Reduced outage duration.
Line inspection-equipment. Inspection by Line Maintenance Inspector.	Completed	5/17/2006	
Expanded Operational Review. Voltage profile complete 6/13/2006. Reliability review complete 5/16/2006.	Completed	6/13/2006	
Install sectionalizers. Replace bridges disconnects at substation getaway with air load break disconnects.	Completed	10/13/2006	Reduced outage duration.
12/8/2005: Install sectionalizers. Hazelton office investigating fusing of long single phase taps.	Completed	6/15/2006	Should reduce customer count affected by each outage.
Perform line maintenance identified by line inspection.	Completed	10/27/2006	Reduced outage risk.
Thermographic inspection-OH line.	Completed	3/23/2006	Reduced outage risk. Thermovision inspection performed on 3/23/06.
1/9/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2007	December 1st 2006: Tornado damaged portions of primary conductor outside of the substation. Probability of a similar storm is small. Improved transfer capability could have restored customers sooner.
Thermographic inspection-OH line. Monitor future performance.	Completed Ongoing	3/16/2007	No problem areas found.

37 Circuit ID: 22601 KIMBLES 26-01

Location: Pocono

CPI: 625

7/11/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2006	During an abnormally sectionalized condition when the Kimbles 26-1 line was tied to a Tafton line, a fault occurred on the Tafton line. This outage contributed nearly one fifth of the total customer minutes lost for the past year. In addition to this event, a transmission line fault left the entire Kimbles substation out of service for nearly two hours. These two events, combined with number cases of trouble on customer transformers and single phase line resulted in a high SAIFI and CAIDI for this line.
8/17/2006: Tree trimming.	Completed	7/8/2006	Reduced outage risk. Improved reliability by reducing the line's tree exposure thereby limits potential tree contact related outages
11/2/2006: Improve sectionalizing capability. A telemetrics OCR was installed on this line	Completed	12/1/2006	
10/16/2006: Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>	
38	Circuit ID: 24603 VARDEN 46-03			Location: Pocono	CPI: 619
	4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2007	No large outages occurred in the first quarter of 2007. However, there were three long-duration outages in December 2007 which contributed to the circuit's performance. In addition, a circuit breaker outage in August 2006 also contributed significant customer minutes lost. These older outages were important in making this circuit a worst performer.	
	1/1/2007: Expanded Operational Review.	Completed	6/7/2007	Reduced outage risk. Voltage profile completed. Reliability study completed.	
39	Circuit ID: 24602 VARDEN 46-02			Location: Pocono	CPI: 616
	10/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2006	The greatest contributor to the CPI was vegetation related outages. Approximately 72% of the total outages on the line were due to vegetation related outages; however, 70% of the total CPI was due to non-trimming related vegetation issues. The majority of three-phase outage was under storm or bad weather conditions.	
	11/2/2006: Tree trimming. The line will be trimmed and danger trees will be identified and removed	Scheduled for	7/30/2007		
	Monitor future performance.	Ongoing			
	1/1/2007: Expanded Operational Review.	Completed	6/7/2007	Reduced outage risk. Voltage profile completed. Reliability study completed.	
40	Circuit ID: 16405 MOUNT POCONO 64-05			Location: Pocono	CPI: 614
	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.	Completed	12/31/2006	Inconclusive. Monitor future performance.	
	1/1/2007: Expanded Operational Review.	Completed	6/25/2007	Reduced outage risk. Voltage profile complete. Reliability profile complete.	
	Line inspection-equipment.	Completed	9/30/2006	Inconclusive. Monitor future performance. Inspection Completed - No specific reliability issues discovered	
	11/22/2005: Monitor future performance.	Ongoing			
	1/9/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2007	Inconclusive, Monitor future performance	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
41	Circuit ID: 63402 HONEYBROOK 34-02			Location: Lancaster East	CPI: 609
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
42	Circuit ID: 53902 HALIFAX 39-02			Location: Harrisburg
				CPI: 595
	Thermographic inspection-OH line.	Completed	9/15/2006	Reduced outage risk.
	Install fuse(s). Install 6 Fuses	Completed	12/21/2006	Reduced customer count affected by each outage.
	Expanded Operational Review.	Completed	12/21/2006	Field check 6 unfused taps. Provide tree hot-spot locations to foresters.
	4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/29/2007	Tornado in 4th quarter of 2006 major contributing factor to CPI. Good performance the rest of year.

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
43	Circuit ID: 45302 WEST BERWICK 53-02			Location: Sunbury
				CPI: 594
	Circuit outage data analysis.	Completed	8/22/2005	CPI was driven by SAIFI (3.421; 41% of CPI). 100% of the high CPI during the second quarter 2004 occurred on 6-17-04 when approximately 850 customers experienced outages ranging from 3 to 5 hrs due to trees inadequately trimmed. 100% of the high CPI reported during the 3rd quarter of 2004, on West Berwick 53-2 is due to the 9/18/2004 hurricane IVAN, approximately 1,800 customers experienced outages ranging from 7 hrs to 57 hrs, mainly due to trees off the right of way falling into the over head lines. However, approximately 183 of these 1800 customers experienced a 51 hr outage during the hurricane from trees inadequate trimming. No major outages in Q4, 2005. The long outages in the first quarter 2005 were on 3/23/05 because of the snow and ice storm, which caused floods. A major storm on 6/6/2005 caused long duration outages on this circuit in the second quarter of 2005. Animals also caused some long outages in the second quarter of 2005.
	Tree trimming.	Completed	9/30/2005	19 urban miles were last trimmed in 2004, and scheduled for tree trimming next year. Approximately 57 rural miles were trimmed in 2005. An additional hot spotting will be done on this circuit as needed in the future.
	Line inspection-equipment.	Completed	9/30/2005	line inspection was conducted in January of 2005 on 47 miles of this circuit. This circuit was patrolled in the winter of 2004, and completed by December 2004. There were 16 items identified for repair/replacement, and work requests were written for each including requests to replace additional TFC's on Kachinka Hollow Rd. Work was completed by the third quarter of 2005. The region will install animal guards where needed on this circuit.
	Monitor future performance.	Ongoing		Scheduled tree trimming and other in-progress work is expected to improve this circuit's performance. PPL will continue to monitor this circuit's performance in the future.
	4/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/24/2007	The circuit breaker outage on 2/7/07 due to a vehicle hit was the major contribution to the CPI on this circuit. No other major outages have been identified on this circuit in the Q1, 2007.
	Install 1 phase OCR(s).	Scheduled for	12/31/2007	Reduced customer count affected by each outage.
	Install fuse(s).	Scheduled for	12/31/2007	Reduced customer count affected by each outage.
	Relocate inaccessible line.	Scheduled for	6/1/2008	Reduced customer count affected by each outage.
	Monitor future performance.	Ongoing		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
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44 Circuit ID: 12102 SO ALLENTOWN 21-02

Location: Lehigh

CPI: 590

Install Fault Indicators.	Completed	3/30/2006	Reduced outage duration.
Thermographic inspection-OH line.	Completed	8/17/2006	Reduced outage risk.
10/9/2006: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/27/2006	This circuit experienced storms in June and July 2006 where tree limbs fell on the line resulting in long outages.
Install 3 phase OCR(s).	In progress	7/31/2007	Reduced customer count affected by each outage.
Expanded Operational Review. Reliability Review completed 9/6/06.	Completed	12/6/2006	
Operational Review completed 12/6/06.			
Relocate inaccessible line.	Scheduled for	9/28/2007	Reduced outage risk.
Improve sectionalizing capability.	Completed	1/19/2007	Reduced outage duration.
Line inspection-equipment.	Scheduled for	12/31/2007	Reduced outage risk.

45 Circuit ID: 42301 MOWRY 23-01

Location: Central

CPI: 581

2/8/2007: Expanded Operational Review. Voltage Profile in Progrss. Reliability Review Completed on 2/08/07. Reliability WR Review in Progress.	EOR initiated	12/31/2007	Reliability review completed 2/8/07
Install 3 phase OCR(s).	In progress	12/31/2007	WR 359754 Install New OCR at 38159s52397 in Lavelle before line extends across country.
Install LBAS(s).	Completed	7/13/2007	Reduced outage duration. WR 359759 Install New gang operated Air Brake switch near State Prison on RT 901
Reconductor line.	In progress	12/31/2007	Asset Mgmt-Reconductor Fountain Springs Tie.
Improve sectionalizing capability.	In progress	12/31/2007	Reduced customer count affected by each outage. WR 385933 Relocate existing three phase Saw Mill Tap OCR.
Improve sectionalizing capability.	Scheduled for	8/15/2007	Reduced outage duration. WR 385973 Install Fault Indicators on exiting load break air switch
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

46 Circuit ID: 22402 MORGAN 24-02

Location: Scranton

CPI: 578

Expanded Operational Review.	Completed	9/30/2006	Inconclusive. Monitor future performance. Voltage Profile Completed 06/01/2006. Reliability Profile Completed 09/29/2006.
7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>	
47	Circuit ID: 16401 MOUNT POCONO 64-01			Location: Pocono	CPI: 572
	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			
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
48	Circuit ID: 27101 GREENFIELD 71-01			Location: Scranton	CPI: 562
	Coordination study to look at an overtripping OCR outside the sub	Completed	9/15/2005	Results sent to field and setting kept in favor of fewer fuse operations.	
	11/22/2005: Circuit Breaker being studied by Field Engineer to see if it is functioning properly	Completed	6/30/2006		
	12/15/2006: Install LBAS(s). Installed new normally closed LABS with fault indicators to assist with restoration efforts at pole 58659N54918 on Rt 106.	Completed	12/1/2006	Reduced outage duration. Installed new normally closed LABS with fault indicators to assist with restoration efforts at pole 58659N54918 on Rt 106.	
	1/9/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2007	Two large three phase events in the fourth quarter occurred under storm conditions. There two outages contributed over 429,000 customer minutes lost. During one of these events, a second outage occurred while the first outage was being restored.	
	Expanded Operational Review.	Scheduled for	9/30/2007		
	Investigate installing telemetrics OCR's at multiple locations	Completed	3/30/2007	Results passed on to System Operations for review	
	Monitor future performance.	Ongoing			
49	Circuit ID: 26601 BROOKSIDE 66-01			Location: Scranton	CPI: 559
	Expanded Operational Review.	Completed	7/31/2006	Voltage Profile Completed 7/25/2006. Reliability Profile Completed 09/29/2006.	
	Monitor future performance.	Ongoing			
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		
50	Circuit ID: 16403 MOUNT POCONO 64-03			Location: Pocono	CPI: 557
	1/1/2007: Expanded Operational Review.	Completed	7/12/2007	Reduced outage risk. Voltage profile complete. Sectionalizing study complete. Add 2 LBASs along SR196 at/near 65803N36266 and 65861N36828 for sectionalizing purposes.	
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007		

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
51 Circuit ID: 40503 CRESSONA 05-03				Location: Central
				CPI: 555
	2/23/2006: Expanded Operational Review. Voltage Profile Completed in 2005, Reliability Review Completed 2/23/2006, Field WR Review Completed 8/30/2006.	Completed	8/30/2006	Reliability review completed 2/23/06 Investigate feeding single phase tap at Fawn Cove Drive in Lake Wynonah from outside the gated development. Investigate reconductoring the tie between the Cressona #2 and #3 from below Lake Wynonah South to SR 895.
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	
52 Circuit ID: 64202 KINZER 42-02				Location: Lancaster
				CPI: 550
	Continue to monitor performance	Completed	8/31/2005	23% of this circuit's CPI was attributed to two failed poles during a wind storm.
	7/10/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

<i>Rank</i>	<i>Action</i>	<i>Status</i>	<i>Due/Complete</i>	<i>Result</i>
53	Circuit ID: 56802 BENVENUE 68-02			Location: West Shore
				CPI: 547
	Circuit outage data analysis.	Completed	8/31/2005	On 6/6 and 6/7/05 during high winds outages due to trees-not trimming related.
	5/27/2005: Perform line maintenance identified by line inspection. Replace identified insulators, dead ends and pole-to-pole guy. Nothing found.	Completed	9/30/2005	Reduced outage risk.
	Monitor future performance.	Completed	12/31/2005	No longer among 5% worst performing circuits.
	Tree trimming. Trimming West Shore portion of circuit	Completed	12/30/2006	
	1/9/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2007	Reviewed 49%CPI due to cases and 40% due to SAIFI.
	1/1/2007: Expanded Operational Review. Reliability Review completed 3/11/2007.	Completed	3/11/2007	
	Thermographic inspection-OH line. Completed no repair items identified.	Completed	3/15/2007	Reduced outage risk.
	5/29/2007: Tree trimming-selected line segments only (hot spots). Hot spotted several locations in response to customer complaints.	Completed	3/31/2007	Reduced outage risk.
	Install fuse(s). Install 10 tap fuses	Completed	4/30/2007	Reduced customer count affected by each outage.
	Install fuse(s). Install 3 tap fuses	Completed	5/2/2007	Reduced customer count affected by each outage.
	Install 1 phase OCR(s). Install new single phase OCR and four additional tap fuses	Completed	6/13/2007	Reduced customer count affected by each outage.
	Install 1 phase OCR(s). Install new single phase OCR and one additional tap fuse	Completed	6/13/2007	Reduced customer count affected by each outage.
	Improve sectionalizing capability.	Scheduled for	9/28/2007	Reduced outage duration. WR# 358213 - West Shore WR# 358208 - East Shore. Work request issued to add Air Disconnect Switches on 12kV 750 riser poles on both sides of the Rt. 22/322 bridge river crossing to reduce future outage minutes when the river crossing cable must be isolated as was experienced in the 4th quarter 2006 tractor trailer accident.
	5/29/2007: Tree trimming. 40 mile portion on East Shore	Scheduled for	12/31/2007	Reduced outage risk.
54	Circuit ID: 45303 WEST BERWICK 53-03			Location: Sunbury
				CPI: 544
	7/10/2007: Circuit outage data analysis.	Scheduled for	8/31/2007	
	Circuit outage data analysis - WPC not on preceding qtr. list.	Ongoing	10/31/2007	Reduced customer count affected by each outage.
55	Circuit ID: 42801 SELINSGROVE 28-01			Location: Sunbury
				CPI: 539
	7/12/2007: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	8/31/2007	

- (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 ⁸	Percent of Trouble Cases	Customer Interruptions ⁹	Percent of Customer Interruptions	Customer Minutes	Percent of Customer Minutes
Improper Design	1	0.00%	1	0.00%	109	0.00%
Improper Installation	2	0.01%	6,039	0.37%	500,048	0.19%
Improper Operation	4	0.02%	3,426	0.21%	169,183	0.06%
Trees - Inadequate Trimming	1,483	6.62%	107,445	6.55%	22,313,275	8.33%
Trees - Not Trimming Related	4,176	18.65%	448,019	27.29%	111,871,072	41.76%
Animals	5,441	24.30%	73,827	4.50%	5,791,690	2.16%
Vehicles	810	3.62%	169,312	10.31%	19,197,970	7.17%
Contact/Dig-in	196	0.88%	23,192	1.41%	1,391,375	0.52%
Equipment Failure	5,752	25.69%	527,301	32.12%	73,609,571	27.47%
Forced Prearranged	485	2.17%	26,938	1.64%	1,953,923	0.73%
Other - Controllable	293	1.31%	22,271	1.36%	2,026,667	0.76%
Nothing Found	2,220	9.91%	129,606	7.90%	13,381,864	4.99%
Other - Public	105	0.47%	16,872	1.03%	2,852,256	1.06%
Other - Non-Controllable	1,424	6.36%	87,211	5.31%	12,858,122	4.80%
Total	22,392	100.00%	1,641,460	100.00%	267,917,125	100.00%

⁸ Trouble cases are the number of sustained customer service interruptions (i.e., service outages).

⁹ 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. PPL Electric has experienced a peak in both reportable and non-reportable storms during this reporting period.

Trees – Inadequate Trimming: In 2007, PPL Electric adopted shortened maintenance trimming cycles for both urban and rural circuits to improve reliability. The shortened cycle times took effect on January 1, 2007.

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 24% 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 89% 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 40% of the cases of trouble, 48% of the customer interruptions and 56% 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)	248	68	81	109	132
Transmission arm replacements (# of sets)	1,200	282	344	511	623
Transmission lightning arrester installations (# of sets)	50	12	33	32	44
Foot patrols (# of miles)	1,350	807	234	1,350	799
Transmission air break switch inspections (# of)	60	12	23	22	34
Transmission tree trimming (# of linear feet)	395,204	151,549	178,393	219,322	246,312
Transmission herbicide (# of acres)	4,002	885	1228	900	1,247
Substation					
Substation batteries (# of activities)	859	242	98	525	710
Circuit breakers (# of activities)	3,198	912	583	1,946	1,493
Substation inspections (# of activities)	1,363	430	439	470	1,093
Transformer maintenance (# of activities)	2,038	582	475	1,239	1,012
Distribution					
Distribution C-tag poles replaced (# of poles)	2,446	709	696	1,613	1,656
C-truss distribution poles (# of poles)	559	176	272	176	353
Capacitor (MVAR added)	85	35	39	65	72
OCR replacements (# of)	510	155	120	325	400
Oil Switch replacements (# of)	120	30	9	60	29
Distribution air break switch inspections (# of)	258	65	76	129	107
Distribution pole inspections (# of poles)	88,176	33,066	29,801	33,066	30,256
Distribution line inspections (# of miles)	3,000	623	245	2,372	1,630
Group relamping (# of lamps)	18,500	4,625	6,150	9,250	8,350
Test sections of underground distribution cable	850	213	270	425	445
Distribution tree trimming (# of miles)	5,500	1,443	1,324	2,506	2,473
Distribution herbicide (# of acres)	845	100	65	100	65
LTN manhole inspections (# of)	506	146	144	224	237
LTN vault inspections (# of)	594	171	112	263	254
LTN network protector overhauls (# of)	77	22	29	34	43
LTN reverse power trip testing (# of)	116	33	25	51	52

- (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	3,182	3,205	6,347	6,546
Vegetation Management	8,085	6,324	12,786	11,526
Customer Response	11,833	17,168	24,316	27,008
Reliability & Maintenance	16,599	17,945	31,700	31,227
System Upgrade	1,946	1,170	4,057	2,421
Customer Services/Accounts	19,975	18,090	38,872	35,197
Others	22,963	22,275	46,299	46,245
Total O&M Expenses	84,583	86,177	164,376	160,169

- (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	21,609	19,812	43,311	39,501
System Upgrade	22,511	26,663	46,270	39,920
Reliability & Maintenance	13,730	12,381	26,487	24,808
Customer Response	2,879	5,442	5,681	9,294
Other	5,537	3,193	10,989	10,608
Total	66,266	67,491	132,738	124,131

The following table provides revised 1st Quarter capital expenditures for PPL Electric, as a whole, which includes transmission and distribution ("T&D") activities. The revised numbers exclude Facilities Management and Technology projects to be consistent with reporting in prior years.

	1 st Quarter		Year-to-date	
	Budget (\$1,000s)	Actual (\$1,000s)	Budget (\$1,000s)	Actual (\$1,000s)
New Service/Revenue	21,701	19,690	21,701	19,690
System Upgrade	23,759	13,256	23,759	13,256
Reliability & Maintenance	12,757	12,427	12,757	12,427
Customer Response	2,802	3,852	2,802	3,852
Other	5,452	7,415	5,452	7,415
Total	66,471	56,640	66,471	56,640

- (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 descriptions¹⁰ are provided in Appendix C.

Transmission and Distribution (T&D)	
Lineman Leader	77
Journeyman Lineman	169
Journeyman Lineman-Trainee	107
Helper	31
Groundhand	59
Troubleman	58
T&D Total	501
Electrical	
Elect Leaders-UG	9
Elect Leaders-Net	7
Elect Leaders-Sub	28
Journeyman Elect-UG	25
Journeyman Elect-Net	12
Journeyman Elect-Sub	61
Journeyman Elect Trainee-UG	23
Journeyman Elect Trainee-Net	13
Journeyman Elect Trainee	23
Helper	28
Electrical Total	229
Overall Total	730

¹⁰ Some job titles and position descriptions were changed as a result of the new labor agreement ratified in 2006.

***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 about 1,100 feeders across the PPL Electric service area.

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

- SAIDI - 35%
- SAIFI - 30%
- Fraction of customers interrupted more than three times - 20%
- Fraction of customers with an interruption over four hours - 15%

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, 2001-2005. Average values over this period were:

- SAIDI – 121.9 per customer per year
- SAIFI – 0.929 per customer per year
- Fraction of customers interrupted more than three times - 4% per feeder per year
- Fraction of customers with an interruption over four hours - 10% per feeder per year

A hypothetical feeder with the values of SAIDI, SAIFI, and the fraction of customers interrupted more than three times, and the fraction of customers with an interruption over four hours, equal to the 5-year averages would have a CPI value of 100. Any variations in the values of the above criteria would affect the CPI values in accordance with the weighting factors.

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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.

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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 ¹¹	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.

¹¹ 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

<p>90 – Other – Controllable (Lineman provides explanation)</p>	<p>Controllable</p>	<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.
<p>96 – Nothing Found</p>	<p>Non-Controllable</p>	<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.
<p>98 – Other Public (Lineman provides explanation)</p>	<p>Public</p>	<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.
<p>99 – Other – Non-Controllable (Lineman provides explanation)</p>	<p>Non-Controllable</p>	<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

Groundhand	<ul style="list-style-type: none">• Performs manual labor and assists employees in higher job classifications.
Helper	<ul style="list-style-type: none">• Performs semi-skilled labor at any work location on de-energized overhead and underground transmission, and distribution facilities to prepare the employee for entrance into the Journeyman Lineman Apprenticeship Program.
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.
Journeyman Lineman-Trainee	<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.
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.

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Appendix C

Electrical

Electrician Leader - Substation - Network - Underground	<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.
Helper - Substation - Network - Underground	<ul style="list-style-type: none">• Performs manual labor at any work location including those areas containing non-exposed energized electrical equipment, and to prepare the employee for entrance into the Apprenticeship Program.
Laborer - Substation - Network - Underground	<ul style="list-style-type: none">• Performs manual labor and assists employees in higher job classifications.
Journeyman Electrician - Substation - Network - Underground	<ul style="list-style-type: none">• Normally under limited supervision performs and is responsible for work associated with, but not limited to, PPL Electric facilities involving the highest degree of skill in construction and maintenance work associated with substations, LTN or underground distribution and transmission.• Uses microprocessor based equipment for troubleshooting and revising relay logic and its control systems related to the Field Services electrical discipline.
Journeyman Electrician - Trainee - Substation - Network - Underground	<ul style="list-style-type: none">• Normally under limited supervision performs and is responsible for work associated with, but not limited to, PPL Electric facilities involving the highest degree of skill in construction and maintenance work associated with substations, LTN or underground distribution and transmission.• Uses microprocessor based equipment for troubleshooting and revising relay logic and its control systems related to the Field Services electrical discipline.



Robert R. Stoyko
Vice President - Electric Distribution

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PA PUBLIC UTILITY COMMISSION
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July 30, 2007

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

DOCUMENT
FOLDER

SENT VIA FEDERAL EXPRESS

Dear Secretary McNulty:

RE: **Quarterly Electric System Reliability Report
12 Months Ending June 30, 2007**

Pursuant to the Commission's May 7, 2004 Final Rulemaking Order amending Electric Service Reliability Regulations (52 Pa. Code §§57.191 - 57.197) at Docket Nos. L-00030161 and 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, 2007 along with the raw data from the same period. The actual statistics continue to be favorable to both the benchmark and standard adopted for UGI. Also included is a breakdown of outages by cause for the 12 months ending June 30, 2007.

The Office of Consumer Advocate, the Office of Small Business Advocate, the Bureau of Audits, and the Bureau of Conservation, Economics and Energy Planning have each been served with copies of this filing.

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 Division

Attachment

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cc: **FEDERAL EXPRESS**

Irwin A. Popowsky
Office of Consumer Advocate
555 Walnut St.
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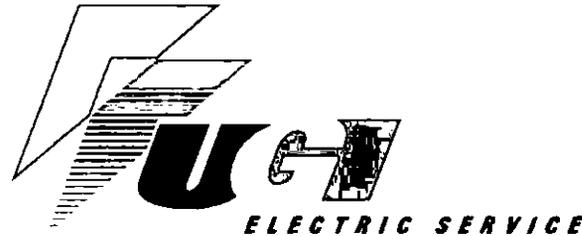
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UGI Utilities, Inc. – Electric Division
System Reliability Report:
Quarterly Update

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SECRETARY'S BUREAU

August 1, 2007

**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, 2007	.68	103	150

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

Raw Data: July 2006 - June 2007

Month	SI	TCI	TCB	TMCI
Jul-2006	61	755	61,780	144,081
Aug-2006	61	5,937	61,829	475,143
Sep-2006	52	3,273	61,869	281,956
Oct-2006	46	4,878	61,798	318,041
Nov-2006	40	2,310	61,999	349,741
Dec-2006	65	6,077	62,029	952,837
Jan-2007	12	242	62,085	19,314
Feb-2007	13	91	62,134	10,983
Mar-2007	28	1,173	62,163	132,863
Apr-2007	77	6,367	62,001	968,682
May-2007	26	857	61,909	232,644
Jun-2007	<u>123</u>	<u>10,461</u>	<u>61,854</u>	<u>2,481,067</u>
TOTAL	604	42,421	61,954 *	6,367,352

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.

**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 2006 - June 2007

Cause	% of Total Incidents	Number of Interruptions	Customers Interrupted	Minutes Interrupted
Animal	11.09%	67	2,573	172,236
Company Agent	0.17%	1	50	750
Construction Error	0.66%	4	32	7,389
Customer Problem	0.50%	3	4	704
Equipment Failure	34.60%	209	12,968	948,462
Lightning	6.79%	41	1,022	281,296
Motor Vehicle	5.13%	31	9,100	915,391
Other	0.66%	4	22	2,510
Public	1.82%	11	217	20,293
Structure Fire	0.33%	2	12	1,610
Trees	28.15%	170	9,802	2,799,067
Unknown	4.64%	28	2,171	367,752
Weather/Ice	0.33%	2	24	12,118
Weather/Wind	<u>5.13%</u>	<u>31</u>	<u>4,424</u>	<u>837,774</u>
TOTAL	100.00%	604	42,421	6,367,352

Proposed Solutions to Identified Problems:

Thirty-five percent of the outages reported above resulted from equipment failure. A significant portion of these equipment failures are attributed to a problem with the A. B. Chance fuse cutouts 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.

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

The favorable weather conditions experienced during the first quarter of CY2007 did not continue into the second quarter. Two separate storms during June 2007 resulted in over 150 repair incidents and affected over 6,500 customers. The duration and number of customers affected by these storms approached, but did not reach, the qualifications of a major event for UGI. Therefore, the results are included in the data above and consequently negatively impact our reliability indices. Strong winds, lightning strikes, and downed trees (in excess of 85% were off right-of-way trees) on June 8 and June 27 caused severe damage to primary wires and poles and caused three 66 kV line trips and a 66 kV line lock out due to a failed static line. The restoration process for the first storm lasted over 24 hours and over 48 hours for the second.

SAIFI

The 12-month rolling SAIFI index increased 13.3% from 0.60 in our last quarterly report to 0.68 for the period ending June 2007.

SAIDI

The SAIDI value for the 12 months ending June 2007 is 103. This result is 53.7% higher than results reported through March 2007.

CAIDI

The CAIDI result of 150 for the 12-month reporting period ending June 2007 is 33.9% higher than results reported through March 2007.

Despite the severe weather, all indices continue to track below UGI's benchmark level.



An Exelon Company

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July 31, 2007

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PA PUBLIC UTILITY COMMISSION
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FedEx

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

**DOCUMENT
FOLDER**

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

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 2007 Quarterly Reliability Report for the period ending June 30, 2007.

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 questions regarding this matter, please call me at 215-841-5316.

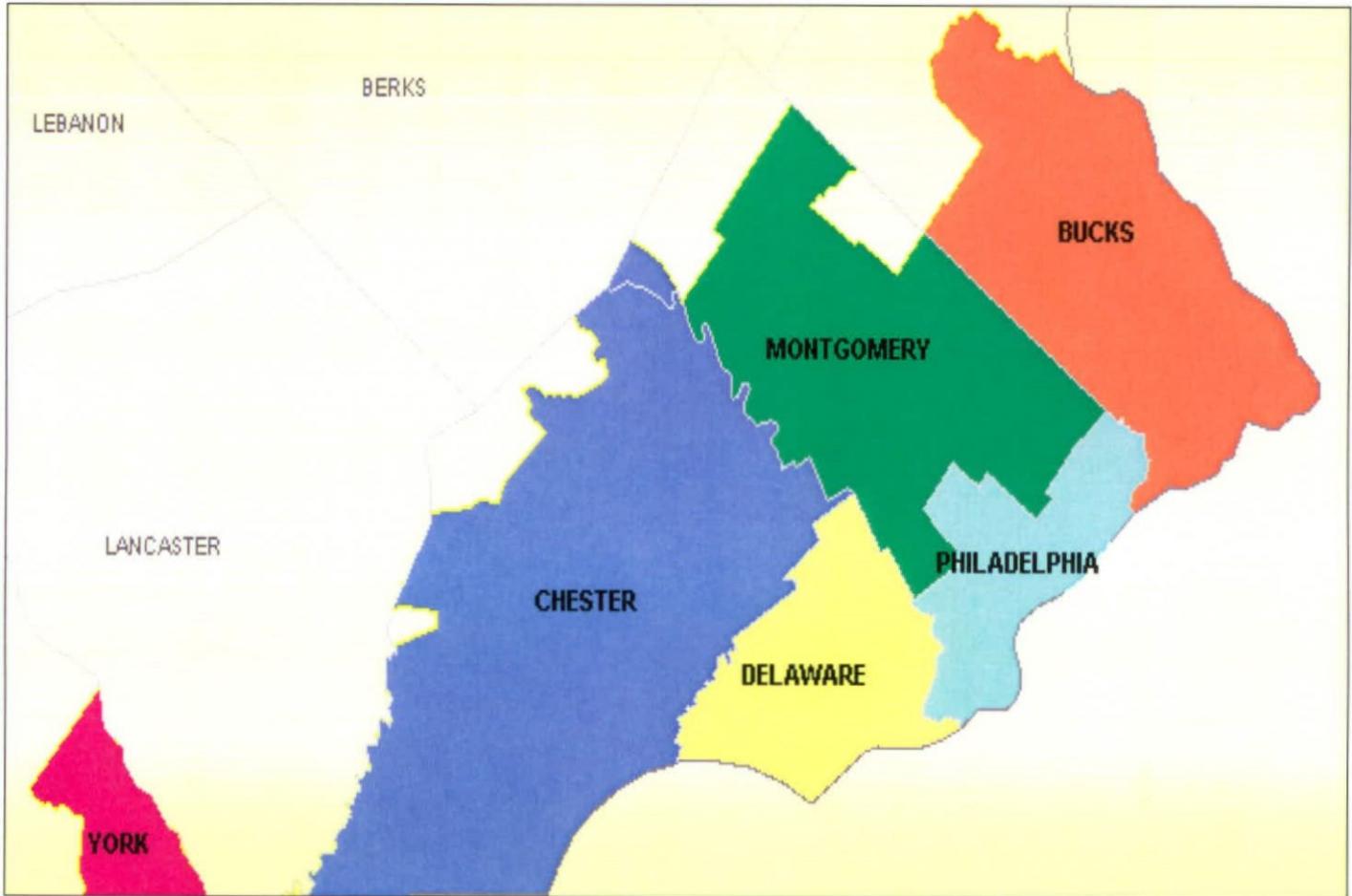
Sincerely,

cc: Office of Consumer Advocate
Office of Small Business Advocate

enclosures

SAN/amm

**PECO Energy Company
Quarterly Reliability Report
For Period Ending June 30, 2007**



August 1, 2007

**DOCUMENT
FOLDER**

DOCKETED
AUG 8 2007

PECO Energy ("PECO")

Quarterly Reliability Report for the Period Ending June 30, 2007 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 during the second quarter of 2007. However, storm activity was high in the second quarter, and included a storm with heavy rain and high winds in April that caused service interruptions to nearly 100,000 PECO customers, primarily due to broken or uprooted trees. While this storm was not considered a major event by Commission definitions, it had a pronounced negative impact on SAIFI, CAIDI and SAIDI.

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
1,642,022	2,064,540	4,830,888	1,027,837	289,853,267	1.26	140	177	0.63

Data reflects 12 months ending 6/30/2007

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 above their respective benchmarks, primarily due to the extraordinary storm activity in the last half of 2006 and high storm activity in the second quarter of 2007. SAIFI and SAIDI are better than the standards established on May 7, 2004, while the CAIDI value of 140 is above the Standard of 134. No benchmark or standard was established for MAIFI. PECO currently expects all its rolling 12-month reliability index values for SAIFI, CAIDI and SAIDI to improve significantly by the end of the third quarter of this year.

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, 2007					
Cause	Cases of Trouble	% Cases of Trouble	Customer* Interruptions	% Customer Interruptions	Customer Minutes
Animal	1,053	7.5%	39,161	1.9%	2,960,964
Contact/Dig-In	253	1.8%	44,514	2.2%	3,074,972
Equipment Failure	4,927	35.0%	651,600	31.5%	73,821,852
Lightning	1,185	8.4%	212,635	10.3%	32,596,402
Other	1,566	11.1%	197,679	9.6%	22,091,089
T&S	22	0.2%	63,460	3.1%	5,062,196
Unknown	294	2.1%	44,892	2.2%	4,635,367
Vegetation-Broken/Uprooted	2,435	17.3%	549,938	26.6%	107,741,916
Vegetation-Ingrowth	1,937	13.7%	140,792	6.8%	28,602,012
Vehicles	422	3.0%	119,869	5.8%	9,266,496

*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 tree-related interruptions and equipment failure. 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. (80% of vegetation outages), as opposed to ingrowth (20% of vegetation outages). The high number of vegetation-related interruptions in the last 12 months was primarily due to the extraordinary storm activity during the last half of 2006 and high storm activity in the second quarter of 2007, which caused trees to break or fall into PECO’s distribution facilities. PECO has continued with the significant supplemental vegetation management program it began in 2006 to prune or remove trees between cycles of its regularly scheduled vegetation management program.

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 6/30/07					
	2 nd Quarter Tasks		YTD Tasks		2007 Total Planned
	Planned	Complete	Planned	Complete	
Manhole Inspections (Number of manholes inspected)	827	385	1,362	1,049	2,480
Circuit Patrol & Thermography (Number of circuits inspected)	193	304	615	829	750
Recloser Inspections (Number of reclosers inspected)	0	2	268	337	268
Center City Network Inspections (Number of maintenance tasks performed (e.g. visual inspection, functional testing))	200	300	200	302	320
T&S Maintenance (Number of maintenance tasks performed (e.g. visual inspection, predictive/diagnostic maintenance, preventive maintenance) for a variety of substation components)	984	1,092	1,960	2,285	3,942
T&S Testing (Number of maintenance tasks performed (e.g. calibration, trip test))	270	346	680	818	1,097
Totals	2,474	2,437	5,085	5,628	8,857
Vegetation Management Preventive Maintenance Program – status as of 6/30/07					
	2 nd Quarter Miles		YTD Miles		2007 Total Planned
	Planned	Complete	Planned	Complete	
Distribution Lift and Manual Trimming	784	780	1362	1363	2,963
Transmission Trimming and Removals	47	51	95	98	199
Totals	831	831	1,457	1,462	3,161

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.)

\$Millions	Budgeted 2 nd Quarter	Actual 2 nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$0.8 M	\$0.8 M	\$1.7M	\$1.8 M
Capacity Expansion	\$0.3 M	\$0.2 M	\$0.6 M	\$0.5 M
System Performance	\$5.4 M	\$5.5 M	\$11.1 M	\$8.5 M
Facility Relocation	\$0.5 M	\$0.7 M	\$1.0M	\$1.2 M
Maintenance	\$34.1 M	\$34.2 M	\$68.7 M	\$70.7 M
Total*	\$41.1 M	\$41.4 M	\$83.1 M	\$82.7 M

See Appendix C for category definitions.

*Total actual does not include \$5.0M of incremental Storm Funds for the 2nd quarter. YTD \$5.8M

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.)

\$Millions	Budgeted 2 nd Quarter	Actual 2 nd Quarter	Budgeted Year-to-Date	Actual Year-to-Date
New Business Connections	\$14.6 M	\$13.0 M	\$29.3 M	\$25.3 M
Capacity Expansion	\$17.2 M	\$16.4 M	\$49.4 M	\$49.3 M
System Performance	\$8.8 M	\$7.7 M	\$17.5 M	\$12.7 M
Facility Relocation	\$2.4 M	\$1.4 M	\$4.3 M	\$2.0M
Maintenance	\$15.2 M	\$16.8 M	\$28.7 M	\$34.9 M
Total *	\$58.2 M	\$55.3 M	\$129.2 M	\$124.2 M

See Appendix C for category definitions.

*Total actual does not include \$1.3M of incremental Storm Funds for the 2nd quarter. YTD \$1.5M

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 June 30, 2007 was as follows:

Aerial Lineman	382
Underground Lineman	57
Transmission / Substation Mechanics, Operators	102
Energy Technicians	97
Aerial Foreman	53
Underground Foreman	18
Transmission / Substation Foreman	27
Total	736

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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 133	3,516	1.49	45	67	0.68	5,239	3,944	2,403
BALA 141	947	1.41	428	604	0.00	14	49	0
BELLEVUE 133	2,044	4.91	155	762	1.43	10,029	25,959	2,931
BRADFORD 344	2,472	3.34	132	441	1.85	8,248	18,187	4,567
BRADFORD 353	2,272	3.03	237	718	0.67	6,891	27,200	1,526
BRYN MAWR 147	1,575	4.84	41	200	2.77	7,629	5,255	4,362
BUCKINGHAM 353	1,352	3.78	113	427	1.82	5,109	9,628	2,466
BUCKINGHAM 371	1,827	5.26	77	408	1.09	9,617	12,411	1,996
BUCKINGHAM 372	1,078	2.89	97	280	0.19	3,113	5,032	210
BYBERRY 132	861	3.59	67	241	0.00	14	49	0
BYBERRY 137	1,768	4.07	58	237	1.42	7,203	6,993	2,505
BYBERRY 141	2,101	1.09	26	29	0.00	14	49	0
BYBERRY 148	2,000	2.87	146	419	1.33	5,732	13,960	2,668
BYBERRY 173	1,724	2.46	92	227	0.00	14	49	0
BYBERRY 174	826	0.27	102	28	0.06	226	383	49
CEDARBROOK 137	1,717	3.10	73	225	0.64	5,329	6,453	1,102
CIVIC 010	265	7.98	109	868	0.00	14	49	0
COCHRANVILLE 341	1,831	3.86	145	559	2.79	7,071	17,064	5,110
COLWYN 132	2,535	2.72	93	253	0.90	6,905	10,695	2,293
COLWYN 133	3,348	2.09	130	272	0.58	7,010	15,165	1,946
CONCORD 011	451	6.11	217	1,325	4.00	2,757	9,960	1,806
CONCORD 347	1,153	5.25	175	918	3.33	6,054	17,646	3,837
CONCORD 348	1,321	1.95	124	241	0.38	2,575	5,315	506
CONCORD 351	1,836	1.60	139	222	3.91	2,939	6,802	7,171
CREEK 000	399	2.34	226	527	1.00	247	707	163
DALEVILLE 341	1,008	3.72	71	264	0.01	3,752	4,432	15
DELTA 002	664	3.10	86	266	0.00	14	49	0
EAGLE 352	1,516	4.09	117	480	4.38	6,196	12,121	6,637
EDGMONT 133	2,306	3.80	120	456	2.92	8,768	17,519	6,741
FALLS 351	1,951	2.78	90	249	0.77	5,425	8,109	1,503
FOULK 143	1,255	3.10	100	311	0.34	3,890	6,506	421
GLADWYNE 133	793	0.07	69	5	0.00	14	49	0
GOSHEN 351	1,048	1.91	184	352	1.00	247	707	163
HARTSVILLE 003	700	1.06	71	76	4.00	743	885	2,798
HEARTWOOD 008	611	5.16	178	917	2.00	111	714	688
HEATON 136	1,572	4.20	135	566	0.00	14	49	0
HEATON 167	751	3.99	105	418	1.20	2,995	5,238	899
HEATON 169	1,514	1.57	81	127	0.00	14	49	0
JARRETT 142	1,094	5.71	113	648	0.44	6,246	11,808	486
JENKINTOWN 133	1,589	0.02	118	3	0.00	14	49	0
JENKINTOWN 144	1,891	5.57	155	861	0.54	10,530	27,148	1,023
JENNERSVILLE 341	2,340	3.56	93	331	4.22	8,333	12,905	9,870
LENAPE 342	1,820	0.97	315	307	1.74	1,774	9,322	3,162
LENAPE 343	2,225	4.69	205	962	1.81	10,438	35,691	4,037
LENAPE 351	1,443	4.83	213	1,030	2.36	6,974	24,783	3,401
LINE 1100CL	1,317	2.25	503	1,131	0.17	2,964	24,832	218
LINE 127 00LL	6	0.00	0	0	1.00	0	0	0
LINE 1300CR	1,863	5.89	81	480	0.65	10,968	14,889	1,218
LINE 132 00WO	591	4.57	154	703	0.20	2,698	6,925	117
LINE 141 00CL	1,818	4.07	118	480	2.38	7,405	14,553	4,335
LINE 149 00	634	1.21	82	100	2.00	770	1,053	1,270
LINE 183 00	874	2.98	92	275	0.00	14	49	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
LINE 2100CR	977	1.02	187	191	0.39	998	2,055	415
LINE 2235	2,087	0.13	61	8	0.00	14	49	0
LINE 3307NT	1,875	3.25	64	207	0.00	14	49	0
LINE 3326	1	1.00	6	6	0.00	14	49	0
LINE 3344	619	3.13	136	424	1.00	247	707	163
LINE 4100PB	1,503	2.57	72	185	1.16	3,869	4,644	1,747
LINE 5100PB	608	2.68	141	377	0.54	1,627	3,815	330
LINE 5800	437	0.08	214	18	0.00	36	6	0
LINE 7800BA	4	1.00	6	6	0.00	14	49	0
LINE 800CR	1,798	1.70	170	287	1.28	3,048	8,614	2,309
LINE 9400CR	586	1.90	192	365	0.01	1,116	3,564	7
LINTON 351	2,508	4.11	130	533	2.20	10,301	22,296	5,514
LLANERCH 142	1,368	3.65	93	338	0.08	4,994	7,712	107
LLANERCH 144	1,831	3.86	145	559	2.79	7,071	17,064	5,110
MATTHEWS 000	646	2.44	136	333	0.00	14	49	0
MIDDLETOWN 132	1,583	4.42	197	869	4.44	6,995	22,927	7,028
MIDDLETOWN 133	1,621	3.57	189	674	1.00	5,783	13,355	6,300
MIDDLETOWN 142	1,501	3.51	198	696	0.73	5,266	17,418	1,094
MIDDLETOWN 352	2,296	3.38	176	594	0.76	7,766	22,716	1,738
MORTON 141	1,611	3.38	75	254	1.48	5,443	6,812	2,383
NESHAMINY 134	743	4.55	87	395	0.99	3,383	4,894	733
NESHAMINY 141	1,225	0.26	243	64	0.36	321	301	0
NEWLINVILLE 341	2,093	1.34	171	230	1.74	2,812	8,019	3,644
NEWLINVILLE 344	3,042	3.14	184	577	0.36	9,561	29,261	1,100
NEWLINVILLE 352	2,329	2.75	261	718	2.49	6,410	27,870	5,802
NEWLINVILLE 353	2,203	0.02	324	6	0.00	14	49	0
NEWLINVILLE 354	2,654	7.47	192	1,437	4.20	19,832	63,581	11,138
NEWTOWN SQUAR 131	1,297	7.81	162	1,266	0.68	10,127	27,361	880
NEWTOWN SQUAR 146	1,453	4.03	217	875	2.41	5,857	21,197	3,495
NORTH WALES 343	2,752	0.02	118	2	0.00	14	49	0
NORTH WALES 347	1,235	2.11	62	132	0.13	2,609	2,708	156
NORTH WALES 353	2,401	1.15	141	162	0.35	2,756	6,474	848
OLIVE 001	966	5.05	221	1,117	0.99	4,878	17,987	960
PARRISH 133	3,699	1.89	35	66	0.93	6,998	4,050	3,435
PARRISH 138	3,256	1.13	99	111	0.02	3,665	6,018	66
PERKIOMEN 341	1,176	0.96	392	378	0.13	1,134	2,672	1,986
PERKIOMEN 361	2,061	0.94	164	154	0.00	14	49	0
PERKIOMEN 363	1,973	1.07	53	57	0.97	2,113	1,862	1,910
PHOENIXVILLE 002	1,090	1.01	45	45	0.00	14	49	0
PICKERING 002	737	9.40	86	812	2.96	6,927	9,970	2,184
PLYMOUTH 134	1,813	0.62	65	41	0.45	1,127	1,229	821
PLYMOUTH 141	1,160	1.03	21	22	1.96	1,191	427	2,279
PLYMOUTH 160	751	3.99	105	418	1.20	2,995	5,238	899
PULASKI 136	4,032	1.80	100	180	0.80	7,264	12,090	3,240
RICHMOND 131	358	4.08	40	164	1.00	247	707	163
SILES 135	1,367	9.81	163	1,595	0.54	13,405	36,348	741
STREET 000	389	4.66	98	456	6.94	1,812	2,958	2,701
TABOR 139	1,888	2.62	156	409	0.00	14	49	0
TREDYFFRIN 141	1,054	4.45	223	993	0.86	4,690	17,441	909
TREVOSE 136	1,354	5.57	89	495	0.99	7,546	11,179	1,344
UPPER MERION 141	806	3.16	159	501	0.49	2,546	6,731	393
UWCHLAN 004	591	4.57	154	703	0.20	2,698	6,925	117

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
WAGONTOWN_000	596	0.20	335	66	0.00	14	49	0
WARMINSTER_142	1,551	3.06	223	683	1.05	4,751	17,651	1,622
WAYNE_132	1,009	0.00	67	0	0.00	14	49	0
WEST_GROVE_001	831	0.40	270	109	0.00	14	49	0
WEST_OAK_LANE_012	533	0.58	211	122	0.00	14	49	0
WHITEMARSH_131	1,189	0.06	140	8	0.00	14	49	0
WHITEMARSH_141	1,141	1.86	147	274	1.60	2,122	5,215	1,830
WOODBOURNE_343	1,717	3.10	73	225	0.64	5,329	6,453	1,102

*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 6/30/07

ANGORA-133

Philadelphia

Completed:

Inspected circuit visually and with thermographic camera
Installed additional fusing.
Completed reliability corrective work orders.
Remedial efforts complete.

Planned:

Remedial efforts complete.

BALA-141

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Replaced primary wire
Installed additional fusing.
Performed regularly scheduled tree clearance
Completed reliability corrective work orders
Install additional fusing

Planned:

Remedial efforts complete.

BELLEVUE-133

Bucks County

Completed:

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Tested and adjusted or repaired recloser
Inspect selected areas of circuit for vegetation issues and correct as needed
Perform regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders
Upgrade cable insulation
Install three-phase reclosers
Install three-phase reclosers on supply line

BRADFORD-344

Chester County

Completed:

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Replaced reclosers
Inspect selected areas of circuit for vegetation issues and correct as needed

Planned:

Complete reliability corrective work orders

BRADFORD-353

Chester County

Completed:

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Tested and adjusted or repaired recloser
Inspect selected areas of circuit for vegetation issues and correct as needed

Planned:

Install single-phase recloser

BRYN MAWR-147

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Tested and adjusted or repaired recloser
Installed single-phase reclosers
Inspect selected areas of circuit for vegetation issues and correct as needed

Planned:

Complete reliability corrective work orders
Upgrade wildlife protection

BUCKINGHAM-353

Bucks County

Completed:

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Tested and adjusted or repaired recloser
Replaced reclosers

Planned:

Complete reliability corrective work orders
Upgrade lightning protection

BUCKINGHAM-371

Bucks County

Completed:

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Repaired switch

Planned:

Complete reliability corrective work orders

BUCKINGHAM-372

Bucks County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Installed three-phase recloser
Tested and adjusted or repaired recloser
Completed reliability corrective work orders

Planned:

Complete reliability corrective work orders

BYBERRY-132

Philadelphia

Completed:

Inspected circuit visually and with thermographic camera

Planned:

Inspect selected areas of circuit for vegetation issues and corrected as needed.

BYBERRY-137

Philadelphia

Completed:

Work to be completed per plan

Planned:

Complete reliability corrective work orders
Upgrade lightning protection
Install additional fusing
Inspect selected areas of circuit for vegetation issues and corrected as needed.

BYBERRY-141*Philadelphia***Completed:**

Installed wildlife protection

Completed reliability corrective work orders

Inspected circuit visually and with thermographic camera

Inspect selected areas of circuit for vegetation issues and correct as needed

Installed three-phase recloser

Planned:

Remedial efforts complete.

BYBERRY-148*Philadelphia***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Installed three-phase recloser

Added remote control to reclosers

Replaced aerial wire

Planned:

Complete reliability corrective work orders

Upgrade wildlife protection

BYBERRY-173*Philadelphia***Completed:**

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Planned:

Upgrade fusing

Upgrade lightning protection

Complete reliability corrective work orders

BYBERRY-174*Philadelphia***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed

Inspected circuit visually and with thermographic camera

Installed additional fusing.

Completed reliability corrective work orders.

Inspected selected areas of circuit for vegetation issues and correct as needed

Planned:

Remedial efforts complete.

CEDARBROOK 137*Philadelphia***Completed:**

Inspected circuit visually and with thermographic camera

Performed regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders

Upgrade fusing

Inspect selected areas of circuit for vegetation issues and correct as needed

CIVIC-10*Philadelphia***Completed:**

Inspected circuit visually and with thermographic camera
Installed three-phase vacuum interrupter
Install three-phase vacuum interrupter

Planned:

Remedial efforts complete.

COCHRANVILLE-341*Chester County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Installed three-phase recloser
Installed single-phase recloser
Tested and adjusted or repaired recloser
Upgraded transformer
Completed reliability corrective work orders.

Planned:

Perform regularly scheduled tree clearance
Install three-phase recloser
Complete reliability corrective work orders

COLWYN-132*Delaware County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders.
Upgraded wildlife protection

Planned:

Complete reliability corrective work orders.
Perform regularly scheduled tree clearance

COLWYN-133*Delaware County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed.
Inspected circuit visually and with thermographic camera
Performed regularly scheduled tree clearance

Planned:

Upgrade fusing
Complete reliability corrective work orders

CONCORD-011*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Installed additional fusing.
Completed reliability corrective work orders.
Performed regularly scheduled tree clearance

Planned:

Remedial efforts complete.

CONCORD-347*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders.
Tested and adjusted or repaired recloser
Performed regularly scheduled tree clearance

Planned:

Upgrade wildlife protection
Install single-phase reclosers
Install electronic sectionalizers

CONCORD-348*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Upgraded lightning protection
Tested and adjusted or repaired recloser
Completed reliability corrective work orders.

Planned:

Remedial efforts complete.

CONCORD-351*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Replaced underground cable
Tested and adjusted recloser operation
Completed reliability corrective work orders.

Planned:

Remedial efforts complete.

CREEK-000*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Installed additional fusing.
Performed regularly scheduled tree clearance

Planned:

Remedial efforts complete.

DALEVILLE-341*Chester County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders.
Upgraded lightning protection
Circuit reconfiguration with reclosers added to Daleville 341
Perform regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders.

DELTA-002*York County***Completed:**

Inspected circuit visually and with thermographic camera

Planned:

Inspected circuit visually and with thermographic camera

Complete reliability corrective work orders.

Install three-phase recloser

EAGLE-352*Chester County***Completed:**

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Installed three-phase recloser

Performed regularly scheduled tree clearance

Completed reliability corrective work orders.

Planned:

Remedial efforts complete.

EDGEMONT-133*Delaware County***Completed:**

Work to be done per planned

Planned:

Circuit under analysis

Perform regularly scheduled tree clearance

FALLS-351*Bucks County***Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Tested and adjusted or repaired recloser

Planned:

Upgrade lightning protection

Perform regularly scheduled tree clearance

FOULK-143*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders.

Inspected selected areas of circuit for vegetation issues and correct as needed

Performed regularly scheduled tree clearance

Installed three-phase reclosers

Planned:

Remedial efforts complete.

GLADWYNE – 133*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera

Replaced three-phase recloser

Completed reliability corrective work orders

Tested and adjusted or repaired recloser

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed

Complete reliability corrective work orders

Install single-phase reclosers

Upgrade lightning protection

Upgrade wildlife protection

GOSHEN-351

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Replaced reclosers

Upgraded lightning protection

Tested and adjusted or repaired recloser

Completed reliability corrective work orders

Planned:

Remedial efforts complete.

HARTSVILLE-003

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Planned:

Upgrade switches

Complete reliability corrective work orders.

HEARTWOOD – 008

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed

Complete reliability corrective work orders.

HEATON-136

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Performed regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders

Inspect selected areas of circuit for vegetation issues and correct as needed

Upgrade wildlife protection

Install three-phase recloser

HEATON-167

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Installed three-phase recloser

Installed single-phase recloser

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Planned:

Remedial efforts complete.

HEATON-169

Montgomery County

Completed:

Work to be done per plan

Planned:

Completed reliability corrective work-orders

Upgrade transformer

Inspect selected areas of circuit for vegetation issues and correct as needed

JARRETT-142*Montgomery County***Completed:**

Inspected circuit visually and with thermographic camera
Performed regularly scheduled tree clearance
Upgraded lightning protection
Upgraded wildlife protection
Installed three phase recloser

Planned:

Perform regularly scheduled tree clearance
Complete reliability corrective work orders

JENKINTOWN-133*Montgomery County***Completed:**

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Performed regularly scheduled tree clearance
Upgraded wildlife protection

Planned:

Upgrade lightning protection
Upgrade wildlife protection
Complete reliability corrective work orders

JENKINTOWN-144*Montgomery County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Upgraded lightning protection
Relocated three-phase recloser
Completed reliability corrective work orders.
Performed regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders.

JENNERSVILLE-341*Chester County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Upgraded fusing
Rearranged circuit for better automatic transfer
Completed reliability corrective work orders.
Tested and adjusted or repaired recloser
Performed regularly scheduled tree clearance

Planned:

Remedial efforts complete.

LENAPE-342*Chester County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Upgraded lightning protection
Tested and adjusted or repaired recloser
Repaired recloser control
Performed regularly scheduled tree clearance
Upgrade fusing

Planned:

Complete reliability corrective work orders.

LENAPE-343*Chester County***Completed:**

Inspected circuit visually and with thermographic camera

Tested and adjusted or repaired recloser

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Install single-phase recloser

Install three-phase recloser

Planned:

Complete reliability corrective work orders

LENAPE-351*Chester County***Completed:**

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Replaced three-phase recloser

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Installed single-phase recloser

Completed reliability corrective work orders

Planned:

Inspect selected areas of circuit for vegetation issues and corrected as needed

LINE-127-OOLL*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed

Complete reliability corrective work orders

LINE-132-OOWO*Bucks County***Completed:**

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Replaced switches

Installed reclosers on downstream circuit

Completed reliability corrective work orders

Installed faulted circuit indicators

Completed reliability corrective work orders

Planned:

Install reclosers

Complete reliability corrective work orders

Perform regularly scheduled tree clearance

LINE-141-OOCL*Chester County***Completed:**

Inspected circuit visually and with thermographic camera

Tested and adjusted or repaired recloser

Install three-phase recloser

Complete reliability corrective work orders

Planned:

Perform regularly scheduled tree clearance

LINE-149-00

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Planned:

Install three-phase recloser

Complete reliability corrective work orders

LINE-183-00

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders.

Planned:

Complete reliability corrective work orders.

Perform regularly scheduled tree clearance

LINE-800-CR

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Replaced three-phase reclosers

Tested and adjusted or repaired recloser

Planned:

Complete reliability corrective work orders.

LINE-1100-CL

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Upgraded fusing

Upgrade wildlife protection

Planned:

Install three-phase reclosers

Install single-phase recloser

Inspect selected areas of circuit for vegetation issues and correct as needed

LINE-1300-CR

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Extend primary conductors to close loop

Planned:

Complete reliability corrective work orders

LINE-2100-CR

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Replaced three-phase recloser

Repaired switches

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders

LINE-2235

Philadelphia

Completed:

Inspected circuit visually and with thermographic camera

Upgraded wildlife protection

Completed reliability corrective work orders.

Performed regularly scheduled tree clearance

Planned:

Remedial efforts complete.

LINE-3326

Delaware County

Completed

Work to be completed per plan

Planned

Circuit under analysis

LINE-3307-NT

Chester County

Completed:

Performed regularly scheduled tree clearance

Inspected circuit visually and with thermographic camera

Tested and adjusted or repaired recloser

Planned:

Install three-phase recloser

Complete reliability corrective work orders.

LINE-3344

Delaware County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders.

Performed regularly scheduled tree clearance

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed

Complete reliability corrective work orders.

Upgrade lightning protection

LINE- 4100PB

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Transferred customers to newly installed circuits.

Replaced recloser control.

Replaced switch

Completed reliability corrective work orders.

Planned:

Remedial efforts complete.

LINE-5100PB

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Tested and adjusted or repaired recloser

Planned:

Complete reliability corrective work orders.

LINE-5800*Chester County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Installed three-phase recloser
Completed reliability corrective work orders
Performed regularly scheduled tree clearance

Planned:

Remedial efforts complete.

LINE-7800BA*Montgomery County***Completed:**

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Perform regularly scheduled tree clearance
Repair switch

Planned:

Install three-phase reclosers
Complete reliability corrective work orders

LINE-9400CR*Chester County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Upgraded lightning protection
Tested and adjusted or repaired recloser
Installed underground cable
Performed regularly scheduled tree clearance
Completed reliability corrective work orders.

Planned:

Remedial efforts complete.

LINTON-351*Bucks County***Completed:**

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Tested and adjusted or repaired recloser

Planned:

Complete reliability corrective work orders
Perform regularly scheduled tree clearance

LLANERCH-142*Delaware County***Completed:**

Inspect selected areas of circuit for vegetation issues and correct as needed

Planned:

Inspect circuit visually and with thermographic camera
Complete reliability corrective work orders
Upgrade fusing

LLANERCH-144*Delaware County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera

Planned:

Upgraded fuses
Completed reliability corrective work orders
Inspected selected areas of circuit for vegetation issues and corrected as needed

MATTHEWS-000*Chester County***Completed:**

Installed single-phase recloser
Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective work orders

Planned:

Remedial efforts complete.

MIDDLETOWN-132*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Tested and adjusted or repaired recloser

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed
Complete reliability corrective work orders

MIDDLETOWN-133*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Tested and adjusted or repaired recloser

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed
Complete reliability corrective work orders.
Install three-phase reclosers
Replace aerial wire

MIDDLETOWN-142*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed
Install three-phase recloser
Install single-phase recloser
Install electronic sectionalizer
Complete reliability corrective work orders.

MIDDLETOWN-352

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Repaired three phase reclosers.
Tested and adjusted or repaired recloser
Completed reliability corrective work orders.

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed
Complete reliability corrective work orders

MORTON-141

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective work orders
Performed regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders
Upgrade wildlife protection
Upgrade fuse
Upgrade transformer

NESHAMINY-134

Bucks County

Completed:

Work to be completed per plan

Planned:

Circuit under analysis

NESHAMINY-141

Bucks County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Installed three-phase reclosers
Completed reliability corrective work orders.
Perform regularly scheduled tree clearance

Planned:

Remedial efforts completed

NEWLINVILLE-341

Chester County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Tested and adjusted recloser operation
Completed reliability corrective work orders

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed

NEWLINVILLE-344

Chester County

Completed:

Inspected circuit visually and with thermographic camera
Installed single-phase recloser
Tested and adjusted or repaired recloser
Completed reliability corrective work orders

Planned:

Install three-phase reclosers

NEWLINVILLE-352*Chester County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Replaced recloser
Tested and adjusted or repaired recloser
Shifted customers to new circuit, reducing exposure to outages
Completed reliability corrective work orders

Planned:

Repair recloser control
Complete reliability corrective work orders

NEWLINVILLE-353*Chester County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Repaired switch

Planned:

Complete reliability corrective work orders
Upgrade lightning protection

NEWLINVILLE-354*Chester County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera

Planned:

Complete reliability corrective work orders

NEWTOWN-SQUARE-131*Delaware County***Completed:**

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective work orders

Planned:

Install three-phase recloser
Upgrade lightning protection
Upgrade fusing
Complete reliability corrective work orders
Inspect selected areas of circuit for vegetation issues and corrected as needed

NEWTOWN-SQUARE-146*Delaware County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed
Inspected circuit visually and with thermographic camera
Installed wildlife protection
Tested and adjusted or repaired recloser
Completed reliability corrective work orders

Planned:

Remedial efforts complete.

NORTH WALES-343

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected / tested recloser operation

Completed reliability corrective work orders

Repaired switch

Planned:

Complete reliability corrective work orders

NORTH WALES-347

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Tested and adjusted or repaired recloser

Planned:

Complete reliability corrective work orders

NORTH WALES-353

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Replaced recloser

Upgraded lightning protection

Installed switch

Completed reliability corrective work orders

Planned:

Remedial efforts completed

OLIVE 001

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Made reliability improvements to supply circuit

Upgraded transformers

Completed reliability corrective work orders

Planned:

Inspect selected areas of circuit for vegetation issues and correct as needed

Complete reliability corrective work orders

PARRISH-133

Philadelphia

Completed:

Inspected circuit visually and with thermographic camera

Planned:

Upgrade fuses

Complete reliability corrective work orders

PARRISH-138

Philadelphia

Completed:

Completed reliability corrective work orders

Tested and adjusted or repaired recloser

Planned:

Upgrade fusing

PERKIOMEN-341

Montgomery County

Completed

Inspected circuit visually and with thermographic camera

Tested and adjusted or repaired recloser

Completed reliability corrective work orders.

Planned:

Remedial efforts complete.

PERKIOMEN-361

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Inspected selected areas of circuit for vegetation issues and corrected as needed

Completed reliability corrective work orders

Tested and adjusted or repaired recloser

Replaced recloser

Planned:

Upgrade switches

Perform regularly scheduled recloser maintenance

PERKIOMEN-363

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Planned:

Remedial efforts complete.

PHOENIXVILLE-002

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Performed regularly scheduled tree clearance

Upgraded fusing

Upgraded lightning protection

Upgraded switches

Planned:

Complete reliability corrective work orders.

PICKERING-002

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Replaced switches

Completed reliability corrective work orders.

Renewed circuit supply cable

Upgrade fusing

Inspect selected areas of circuit for vegetation issues and correct as needed

Planned:

Complete reliability corrective work orders

PLYMOUTH-134

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera
Performed regularly scheduled tree clearance
Inspect selected areas of circuit for vegetation issues and correct as needed
Installed three-phase recloser
Completed reliability corrective work orders

Planned:

Complete reliability corrective work orders
Inspect selected areas of circuit for vegetation issues and correct as needed

PLYMOUTH-141

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders.
Performed regularly scheduled tree clearance
Install single-phase recloser

Planned:

Remedial efforts complete
Upgrade aerial wire

PLYMOUTH-160

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Installed three-phase recloser
Completed reliability corrective work orders.
Inspect selected areas of circuit for vegetation issues and correct as needed

Planned:

Remedial efforts complete

PULASKI-136

Philadelphia

Completed:

Inspected circuit visually and with thermographic camera
Inspected selected areas of circuit for vegetation issues and corrected as needed
Upgraded fusing
Tested and adjusted or repaired recloser
Upgraded lightning protection
Completed reliability corrective work orders.
Performed regularly scheduled tree clearance

Planned:

Remedial efforts complete

RICHMOND-131

Philadelphia

Completed:

Inspected circuit visually and with thermographic camera
Installed three-phase reclosers.
Completed reliability corrective work orders.

Planned:

Remedial efforts complete.

SILES-135*Bucks County***Completed:**

Inspected selected areas of circuit for vegetation issues and corrected as needed

Inspected circuit visually and with thermographic camera

Upgraded wildlife protection

Tested and adjusted recloser operation

Upgraded lightning protection

Completed reliability corrective work orders.

Perform regularly scheduled tree clearance

Planned:

Remedial Efforts completed

STREET-000*Bucks County***Completed:**

Inspected circuit visually and with thermographic camera

Performed regularly scheduled tree clearance

Planned:

Complete reliability corrective work orders.

TABOR-139*Philadelphia***Completed:**

Inspected circuit visually and with thermographic camera

Performed regularly scheduled tree clearance

Upgraded wildlife protection

Completed reliability corrective work orders.

Inspect select areas of circuit for vegetation issues and corrected as needed

Planned:

Remedial efforts complete

TREDYFFRIN-141*Chester County***Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders.

Performed regularly scheduled tree clearance

Tested and adjusted or repaired recloser

Inspected select areas of circuit for vegetation issues and corrected as needed

Upgraded lightning protection

Upgraded fusing

Planned:

Complete reliability corrective work orders.

TREVOSE 136*Bucks County***Completed:**

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders

Tested and adjusted or repaired recloser

Inspected select areas of circuit for vegetation issues and correct as needed

Planned:

Complete reliability corrective work orders

UPPER MERION-141

Chester County

Completed:

Inspected circuit visually and with thermographic camera
Upgraded wildlife protection
Completed reliability corrective work orders

Planned:

Inspect select areas of circuit for vegetation issues and corrected as needed
Upgrade fusing
Install three-phase recloser
Install single-phase recloser
Complete reliability corrective work orders

UWCHLAN-004

Chester County

Completed:

Inspected circuit visually and with thermographic camera

Planned:

Circuit under analysis

WAGONTOWN-000

Chester County

Completed:

Inspected selected areas of circuit for vegetation issues and corrected as needed
Completed reliability corrective work orders
Remediated supply circuit

Planned:

Remedial efforts completed

WARMINSTER-142

Bucks County

Completed:

Inspected circuit visually and with thermographic camera
Installed single-phase reclosers
Upgraded switches
Upgraded wildlife protection
Completed reliability corrective work orders.
Perform regularly scheduled tree clearance

Planned:

Remedial efforts complete

WAYNE-132

Delaware County

Completed:

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders.
Performed regularly scheduled tree clearance
Install three-phase recloser

Planned:

Complete reliability corrective work orders.

WEST GROVE 001

Chester County

Completed:

Inspected circuit visually and with thermographic camera
Completed reliability corrective work orders
Upgraded transformer

Planned:

Install single-phase reclosers
Upgrade aerial wire
Perform regularly scheduled tree clearance

• Complete reliability corrective work orders

WEST-OAK-LANE-012

Philadelphia

Completed:

Inspected circuit visually and with thermographic camera

Completed reliability corrective work orders.

Replaced cable

Planned:

Remedial efforts complete

WHITEMARSH-131

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Installed single phase recloser

Tested and adjusted or repaired recloser

Performed regularly scheduled tree clearance

Planned

Remedial efforts complete

WHITEMARSH-141

Montgomery County

Completed:

Inspected circuit visually and with thermographic camera

Upgraded fusing

Installed new underground cable

Tested and adjusted or repaired recloser

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Planned:

Install single-phase reclosers

Complete reliability corrective work orders

WOODBOURNE-343

Bucks County

Completed:

Inspected circuit visually and with thermographic camera

Upgraded lightning protection

Tested and adjusted or repaired recloser

Completed reliability corrective work orders

Performed regularly scheduled tree clearance

Planned:

Perform regularly scheduled tree clearance

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. Also included in this category are indirect costs in support of all categories and one-time accounting adjustment items.

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.

Storm Funds

Incremental costs (primarily; overtime, contractors, mutual assistance, and meals) incurred while responding to major storms (storms that meet customer outage and duration criteria).



ORIGINAL

Compliance Section
411 Seventh Avenue, Mail Drop 8-6
Pittsburgh, PA 15219

Office: 412-393-3662
Fax: 412-393-5687
vedwards@duqlight.com

VIA OVERNIGHT MAIL DELIVERY

RECEIVED

JUL 31 2007

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

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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, 2007 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 957.195, is marked "confidential and proprietary" and is enclosed in a sealed envelope.

Duquesne respectfully requests that 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) 393-3662.

DOCUMENT
FOLDER

Sincerely,

Vernon J. Edwards
Supervisor, Regulatory Compliance

Enclosures

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

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**DUQUESNE LIGHT COMPANY
QUARTERLY RELIABILITY REPORT
July 27, 2007**

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.

Pamela Niehaus - Manager, Engineering Services
(412) 393-8446, pniehaus@duqlight.com

Gary Jack - Manager, Regulatory Affairs
(412) 393-1541, gjack@duqlight.com

DOCUMENT
FOLDER

ORIGINAL

DOCKETED
AUG 14 2007

RECEIVED

JUL 31 2007

PA PUBLIC UTILITY COMMISSION
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 2007.

(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	*
2007 2Q (Rolling 12 mo)	96	0.82	117	*

* Sufficient information to calculate MAIFI is unavailable.

Data used in calculating the indices

Total KVA interrupted for the period: 5,753,997 KVA
 Total KVA-minutes interrupted: 672,950,440 KVA-Minutes
 System connected load as of 3/31/07: 7,031,062 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. (See Attachment A for table of circuit reliability values and Service Centers associated with each circuit.)

Beginning in 2007 circuits are evaluated based on a rolling twelve-month count of lockouts of protective devices (circuit breakers, sectionalizers and line reclosers). Circuits that experience four or more lockouts for a device in each quarterly rolling twelve-month period are identified and reported. Customer surveys show a significant drop in satisfaction when customers experience four or more interruptions in a year, and that threshold was therefore used as a basis for this new evaluation method.

The list is ranked first by the date of the most recent outage, with a secondary sort based on number of lockouts. This places a higher priority on circuits experiencing problems in the most recent quarter. Circuits that have not seen recent outages fall to a lower priority, but remain on the list for monitoring.

Circuits that appear on the list for more than a year will be targeted for remediation based on a review of outage records for root cause identification, field evaluations, and engineering analysis. Project scopes developed as a result of this analysis will be incorporated into the company's Work Plan for engineering, design and construction.

This circuit analysis is more timely than that used in the past, as it can be reviewed in-house on a quarterly or even a monthly basis. It provides a truer representation of the dynamic nature of Duquesne's distribution system and will identify poor performing areas more quickly. The threshold of four lockouts may produce a result greater or less than 5% of the total circuits in the system. Reports will be issued on all circuits that violate the four-lockout threshold, even if the total is greater than 5% of the number of circuits on the system.

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

Second Quarter Rolling 12 Months

Rank	Circuit	Name	Remedial Actions Planned or Taken
1	23714	Pine Creek	Trees and Storm Damage - VM Inspection Scheduled
2	23780	Valley	IR Inspection for 2007
3	23922	Logans Ferry	VM Inspection Scheduled
4	23716	Pine Creek	Last VM completed 4Q 2004. Next VM proposed for 2008. IR survey 7/1/2004. All defects were repaired. New circuit at Wildwood substation (scheduled for fourth quarter 2008) includes installation of additional sectionalizers to improve restoration on 23716.
5	23763	Wilmerding	Lockouts due to vehicle striking a pole and storms. This device will be monitored for further lockouts.
6	23802	Elwyn	VM Inspection Scheduled
7	23862	Wilson	IR Inspection completed and items repaired in June 2007
8	23708	North	VM Inspection Scheduled
9	23682	Woodville	IR Inspection completed and items repaired in May 2007 - VM scheduled in 2007
10	23801	Elwyn	The control unit for sectionalizer EA310 was replaced with a wireless unit on 9/30/06 (after an operation for unknown cause on 9/19/06). IR Inspection scheduled for 2007. Lateral fusing and VM scheduled for 2008.
11	23695	Brunot Island	Lateral fusing completed in 2006.
12	23881	Rankin	Circuit, including first section beyond the breaker was inspected by infrared crews in late 2006 and all hot spots were repaired by the Penn Hills Service Center. There have been no lockouts since October 17, 2006.
13	4568	Dormont	Outages were related to cable failures, and damage to the 4KV bus within the substation. Circuits were temporarily connected to a mobile substation until October, when cooler

(e)(4) (continued)

For reference, the following chart shows the first quarter 2007 rolling 12 month worst circuits and action forecasted for remediation.

Rank	Circuit	Name	Remedial Actions Planned or Taken
1	23806	Elwyn	IR Inspection completed. Issues identified and scheduled for repairs. VM scheduled for 2007.
2	23862	Wilson	IR Inspection completed and repairs completed on 6/14/07.
3	23682	Woodville	IR Inspection completed and repairs completed on 5/15/07. VM scheduled for 2007.
4	23801	Elwyn	The control unit for sectionalizer EA310 was replaced with a wireless unit on 9/30/06 (after an operation for unknown cause on 9/19/06). IR Inspection scheduled for 2007. Lateral fusing and VM scheduled for 2008.
5	23764	Wilmerding	Most recent lockout was caused by a vehicle striking a pole. This device will be monitored for further lockouts.
6	23680	Woodville	Lateral fusing completed in 2006. VM scheduled for 2007.
7	23695	Brunot Island	Lateral fusing completed in 2006.
8	23716	Pine Creek	Last VM completed 4Q 2004. Next VM proposed for 2008. IR survey 7/1/2004. All defects were repaired. New circuit at Wildwood substation (scheduled for fourth quarter 2008) includes installation of additional sectionalizers to improve restoration on 23716.
9	23698	Brunot Island	Lateral fusing and VM scheduled for 2008.
10	23881	Rankin	Circuit, including first section beyond the breaker was inspected by infrared crews in late 2006 and all hot spots were repaired by the Penn Hills Service Center. There have been no lockouts since October 17, 2006.
11	4568	Dormont	Outages were related to cable failures, and damage to the 4KV bus within the substation. Circuits were temporarily connected to a mobile substation until October, when cooler weather permitted a scheduled outage to clean and repair the bus. Cables have be
12	4824	Valley	Lockouts during the summer were caused by circuit overloads. A load relief project was completed in July 2006, and there have been no lockouts since then. VM scheduled for 2007.

(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, 2006 through June 30, 2007

Cause	No of Outages	Outage Percentage	KVA Total	KVA Percentag	KVA-Minute Total	KVA-Minute Percentage
Storms:	649	20%	1,532,554	27%	214,033,707	32%
Trees (Contact):	120	4%	157,474	3%	24,938,567	4%
Trees (Falling):	423	13%	772,583	13%	145,197,020	22%
Equipment Failures:	931	29%	2,101,575	37%	197,275,721	29%
Overloads:	444	14%	113,462	2%	13,948,406	2%
Vehicles:	151	5%	338,816	6%	40,403,890	6%
Other:	464	15%	737,535	13%	37,153,133	6%
Totals:	3,182	100%	5,753,999	100%	672,950,444	100%

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

Second Quarter 2007

2007 Transmission and Distribution Goals and Objectives Program Project	Unit of Measurement	Target for 2007 2Q	Actual for 2007 2Q	Percent Complete	Targets for Year 2007
Communications Goals					
Telecom Battery Maintenance	Batteries	31	37	119%	124
Microwave Radio Maintenance	Radio Units	10	2	20%	20
Overhead Distribution Goals					
Sectionalizer/Recloser Control	Control Units	75	81	108%	148
Sectionalizer Upper Switch	Switches	100	59	59%	210
Overhead Transmission Goals					
Tower Helicopter Inspections	Number of Towers	0	0	N/A	500
Tower Ground Detail Inspections	Number of Towers	0	0	N/A	300
Substations Goals					
Breaker Maintenance	Breakers	188	126	67%	752
Transformer Maintenance	Transformers	60	47	78%	81
Station Battery Maintenance	Batteries	280	202	72%	1,120
Station Relay Maintenance	Relays	196	314	160%	784
Underground Distribution Goals					
Manhole Inspections	Manholes	188	226	120%	750
Network Vault Inspections	Network Units	138	89	64%	550
Network Protector Inspections	Protectors	75	97	129%	300
Underground Transmission Goals					
Pressurization and Cathodic Protection Plant Inspection	Work Packages	13	0	0%	52
Vegetation Management Goals					
Overhead Line Clearance	Circuit Overhead Miles	453	560	124%	1,675
Total Units		1,807	1,840	102%	

(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	2007 Budget	2nd Qtr Actual	2nd Qtr Budget	YTD Actual	YTD Budget
Restoration of Service	4,028,000	589,857	1,083,000	1,086,431	1,880,000
Customer Commitment	2,882,000	(24,978)	718,000	442,691	1,388,000
System Maintenance	20,550,000	2,332,950	5,929,000	7,437,871	10,769,000
System Capacity & Reliability	-	-	-	-	-
Infrastructure Support	-	-	-	-	-
Net Clearing	10,675,000	3,164,196	2,669,000	5,611,593	5,337,000
Total Work Plan	38,135,000	10,369,532	10,399,000	18,886,093	19,374,000
Total Non-Work Plan	-	-	-	-	-
Total Operations & Customer Services	38,135,000	10,369,532	10,399,000	18,886,093	19,374,000

(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	2007 Budget	2 nd Qtr Actual	2nd Qtr Budget	YTD Actual	YTD Budget
Restoration of Service	17,000,000	5,550,297	4,504,000	9,624,572	8,164,000
Customer Commitment	20,000,000	6,108,254	4,949,000	12,255,900	9,419,000
System Maintenance	-	100,888	-	145,874	-
System Capacity & Reliability	109,400,000	24,126,605	32,491,000	49,299,338	71,071,000
Infrastructure Support	13,600,000	3,222,107	2,421,000	2,587,115	6,171,000
Net Clearing	-	660,216	-	(4,181,551)	-
Total Work Plan	160,000,000	39,768,367	44,365,000	78,094,350	94,825,000
Total Non-Work Plan	-	-	-	-	-
Total Operations & Customer Services	160,000,000	39,768,367	44,365,000	78,094,350	94,825,000

(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	
	Telecom Splicer/Trouble	7	
	Test Table Tech	1	
	Total	27	27
Substation	Electrical Equipment Tech	29	
	Protection & Control Tech	29	
	Sr. Elec. Equipment Tech	7	
	Total	65	65
Underground	Apprentice T&D	6	
	Driver Helper	6	
	Journey UG Inspector	4	
	Journey UG Splicer	17	
	Sr. UG Splicer	3	
	UG Cable Tester/Installer	8	
	UG Mechanic	5	
	Network Operator	9	
	Total	58	58
	Overhead	Apprentice T&D	54
Rigger Specialist		4	
Equipment Attendant		1	
Equipment Material Handler		5	
Equipment Operator		1	
Field Inspector		4	
Journey Lineworker		92	
Lineworker 2/c		3	
Lineworker Helper		1	
Rigger Crew Leader		2	
Service Crew Leader		4	
Shop Mechanic 2 Rigger		2	
Yard Group Leader		2	
Sr. Lineworker		64	
Total		239	239
Street Light Changers	Total	9	9
Mobile Worker	Total	3	3

(e)(9) (Continued)

Engineering	Drafter	7	
	General Clerk - Grad	8	
	General Technician	3	
	GIS Technician B	2	
	Head File Record Cle	1	
	Survey Instrument	3	
	Joint Use Technician	1	
	Right of Way Agent A	4	
	Sr. Technician	5	
	T&D Mobile Worker	2	
	Technician A	1	
	Technician B	14	
	Technician C	1	
	Test Technician, Mob	4	
Total	56	56	
Service Center Technician	General Technician	1	
	Sr. Technician	11	
	Technician	1	
	Total	13	13
Traveling Operator/Troubleshooter	Senior Operator	26	
	Traveling Operator	1	
	Traveling Operator 1	9	
	Troubleshooter	2	
	Troubleshooter 1/c	11	
	Total	49	49
Load Dispatcher	Total	9	9
Meter Technician	Meter Technician	18	
	Sr. Meter Technician	21	
	Total	39	39
Meter Reader	Total	15	15
Customer Service Representatives	Autodialing Operator	11	
	Control Teller	1	
	Customer Service Rep	90	
	Intermediate Clerk	0	
	Sr. Customer Service	3	
	Telephone Switchboard	1	
	Teller	2	
	Total	108	108
Admin/Supervisory/Mgmt	Total	361	361
	Total	1051	

(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	77	72	149	52%
May	124	208	332	37%
June	237	310	547	43%

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	25	77	20.1	503/25
May	41	124	19.3	793/41
June	64	237	32.4	2,075/64
2nd Quarter	130	438	25.9	3,371/130
YTD	229	710	26.7	6,120/229

ATTACHMENT A

(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.

Circuit	Name	Service Center	Device	Lockouts	Connected KVA	Last Outage	Total KVA-Minutes	Total KVA Interrupted	SAIDI	SAIFI	CAIDI
23714	Pine Creek	Edison	BKR	5	22,575	06/27/07	20,538,044	95,382	910	4.23	215
23780	Valley	Raccoon	BKR	5	22,224	06/27/07	12,430,980	98,988	559	4.45	126
23922	Logans Ferry	Penn Hills	BKR	4	15,778	06/27/07	1,348,259	16,828	85	1.07	80
23716	Pine Creek	Edison	BKR	7	40,357	06/13/07	11,117,277	131,949	275	3.27	84
23763	Wilmerding	Penn Hills	EA344	4	21,080	06/13/07	7,252,461	88,960	344	4.22	82
23802	Elwyn	Preble	BKR	4	22,135	06/04/07	16,458,025	103,091	744	4.66	160
23862	Wilson	Mckeesport	EA163	6	33,843	04/24/07	1,245,356	38,135	37	1.13	33
23708	North	Edison	WA413	4	26,100	04/23/07	2,506,248	29,241	96	1.12	86
23682	Woodville	Preble	EA274	4	29,007	02/13/07	17,389,795	108,248	600	3.73	161
23801	Elwyn	Preble	EA310	4	18,113	12/13/06	2,505,741	37,881	138	2.09	66
23695	Brunot Is.	Preble	EA770	4	23,890	12/02/06	15,943,655	59,641	667	2.50	267
23881	Rankin	Penn Hills	BKR	5	22,205	10/17/06	8,021,213	148,580	361	6.69	54
4568	Dormont	Preble	BKR	5	2,590	09/24/06	560,591	7,769	216	3.00	72

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 PA PUBLIC UTILITY COMMISSION
 SECRETARY'S BUREAU

LEGAL SERVICES

L-00030161



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August 1, 2007

VIA FEDERAL EXPRESS

ORIGINAL

RECEIVED

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

AUG 1 2007

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

Re: Second Quarter 2007 Reliability Report of Allegheny Power

Dear Secretary McNulty:

Enclosed please find an original and six copies of the Second Quarter 2007 Reliability Report of Allegheny Power. This report is filed by Federal Express and is deemed filed today, August 1, 2007. Copies of the report have been served on the parties to Allegheny Power's proceeding to amend reliability benchmarks at Docket No. M-00991220F0003.

Very truly yours,

**DOCUMENT
FOLDER**

John L. Munsch
John L. Munsch
Senior Attorney

cc: Darren G. Gill, Bureau of CEEP
PAPUC – Bureau of Audits
See Certificate of Service

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Allegheny Power
Quarterly Report for Second Quarter 2007

This quarterly report is being submitted in accordance with Pennsylvania Code, Title 52 Public Utilities - Part I, Public Utility Commission, Subpart C, Fixed Services Utilities – Chapter 57, Electric Service Subchapter N, Electric Reliability Standards.

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

James D. Cormack
General Manager, Distribution Reliability
(724) 838-6540
jcormac@alleghenypower.com

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AUG 1 2007

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

§ 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.

- a. The following Major Events occurred during the second quarter of 2007. Note that these events are excluded based upon the service-area-wide definition.
- b. Major events occurred on the following dates. A description of the events is attached as Appendix VI in form of final 'Distribution System Outage Reports as previously issued to the Commission if applicable.
 - i. There were no Major Events in the quarter.
- c. Allegheny Power's Restore Service Process Management Team constantly monitors the process and conducts post-event meetings in an attempt to enhance the restoration process for future events.
- d. In addition to major events, Allegheny Power tracks the effects of major weather events ("RS Events") that do not meet the 10% exclusion threshold but have a major effect on our reliability statistics. Because Allegheny Power's Pennsylvania territory is spread across four weather zones, large regional storms are typically not excluded, even though they often require massive restoration efforts. During the 12-month period ending June 2007, AP's Pennsylvania service territory experienced many such events, including a December 1st 2006 storm (34-minute SAIDI contribution) and a series of four June 2007 storms (the worst of which had a 28-minute SAIDI contribution). These items are discussed in more detail in section (e)(2).

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AUG 1 0 2007

§ 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.

- a. The following table provides Pennsylvania's 12-month ending reliability statistics for month ending June 2007. MAIFI statistics are not recorded nor readily available at Allegheny Power. Sufficient field equipment is not available to provide meaningful data for momentary interruptions.

Reliability Indices	Approved Settlement Benchmarks	Rolling 12-Month Standard	Rolling 3-Yr Avg. Standard	Current Quarter Performance (Rolling 12-month)
SAIFI	1.05	1.26	1.16	1.297
CAIDI	170	204	187	203
SAIDI	179	257	217	264

Data supporting indices:

Zone	Incidents	Affected Grids/ Structures	Interrupted Customers	Avg Cust Served	kVA	Calls	CMI	SAIDI	ASAI	CAIDI	SAIFI
Pennsylvania	19,547	19,547	904,258	697,732	9,091,878.8	139,348	183,789,097	264	0.999499	203	1.297

Discussion supporting statistics:

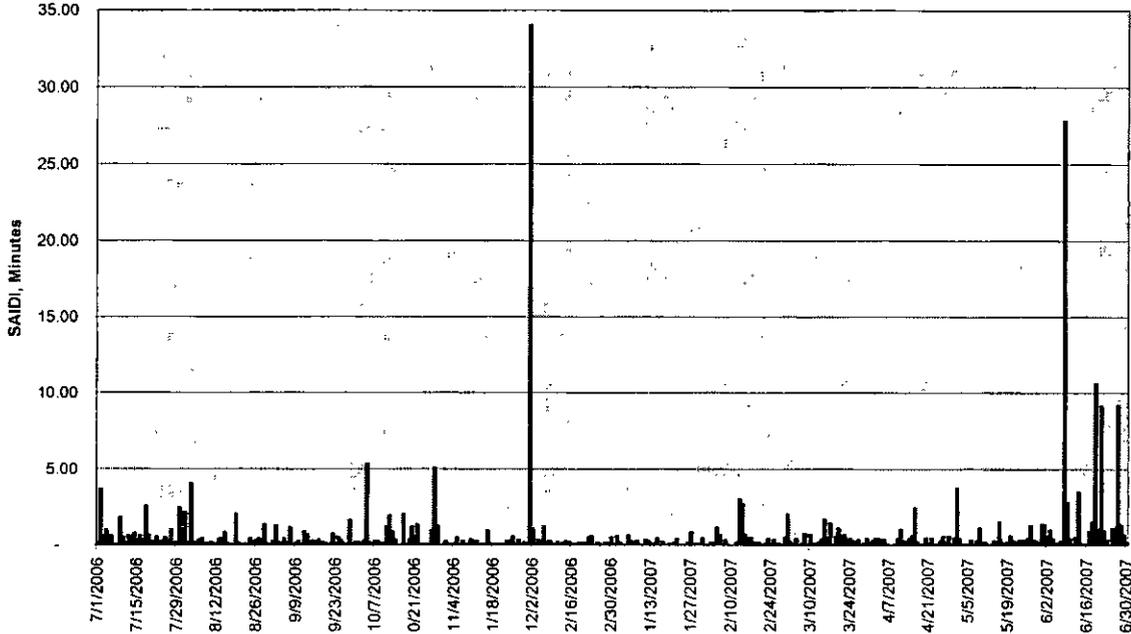
Allegheny Power has done some initial analysis on the increase in its reliability statistics during recent months.

Within the 12-month period, Allegheny's statistics were at their lowest in November 2006; at the end of that month, Allegheny's reliability statistics were SAIFI = 1.11; CAIDI = 166; and SAIDI = 184.

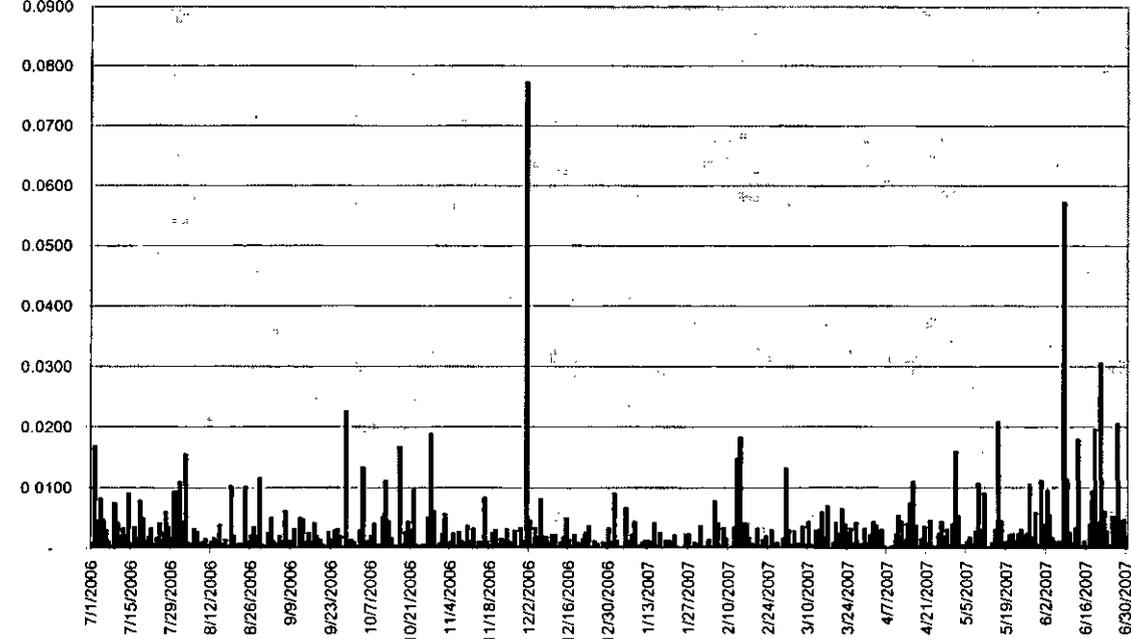
On December 1st, Allegheny experienced a major included storm in its Southwestern PA weather zone, which contributed 34 minutes of SAIDI and 0.08 SAIFI. Throughout June 2007, Allegheny experienced constant thunderstorm/high wind activity; on June 8th, 19th, 21st and 27th, AP experienced storms which totaled 57 SAIDI minutes and 0.13 SAIFI. When these storm days are excluded, Allegheny Power's June 2007 statistics drop to SAIFI = 1.09, CAIDI = 158; and SAIDI = 173.

The daily SAIDI and SAIFI are shown in the charts below. Allegheny Power will continue to analyze its Pennsylvania territory's reliability performance to uncover underlying trends.

Allegheny Power-Pennsylvania
Daily SAIDI
12-month Ending June 2007



Allegheny Power-Pennsylvania
Daily SAIFI
June 2007 12-month ending



§ 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.

- a. This report provides a listing of all Pennsylvania circuits ranking in the lowest five percent as ranked by Distribution Circuit Interruption Index (DCII). AP is considering a Circuit Improvement Index Ranking, which incorporates reliability statistics at a local level to further address individual customer satisfaction. The report is attached as Appendix I.
- b. A description of DCII and Circuit Improvement Index process is presented in Appendix V.

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

- a. Allegheny's current process for addressing poor performing circuits and line segments is outlined in the Reliability Improvement Program (RIP). The details of which have been previously submitted to the Commission staff. In summary, the RIP program addresses all circuits experiencing two or more lockouts as well as any other protective device experiencing multiple operations. Field personnel review outages on these circuits or line segments and corrective action is taken as necessary to address any immediate reliability concerns.
- b. Remedial work for the 5% circuits is shown in Appendix II. After the third quarter reporting is complete, outage causes are evaluated and action plans are developed for circuits requiring more comprehensive maintenance and these plans are incorporated in next year's budgets and work plans..

§ 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.

- a. A summary of outage causes by customers interrupted and by customer minutes interrupted follows.
- b. Note that 70% of all customer interruptions are caused by non-equipment-related causes. Also note that 97% of customers interrupted by trees are a result of trees falling from outside of the right-of-way.
- c. AP's definition of tree-related outages includes those cases where trees have fallen as a result of severe weather conditions.
- d. 'Weather' definition includes weather-related outages involving lightning damage, severe snow/ice loading, extreme wind, flooding, etc. and does not include tree-related outages.

Outage Cause	Incidents		Customers Interrupted		Customers Minutes Interrupted	
	12 Month ending June 07		12 Month ending June 07		12 Month ending June 07	
	Number	Percent	Number	Percent	Number	Percent
Animals	1,477	7.9%	32,818	3.7%	3,320,107	1.8%
Overhead Equipment Failure						
Overhead Line Equipment	1,315	7.0%	29,576	3.3%	3,703,511	2.0%
Overhead Line Material	1,550	8.2%	99,471	11.2%	13,725,541	7.6%
Overhead Wire	1,637	8.7%	85,402	9.6%	13,330,229	7.3%
Underground Equipment						
Underground Line Material	34	0.2%	483	0.1%	100,679	0.1%
Underground Line Equipment	86	0.5%	1,359	0.2%	416,810	0.2%
Underground Cable	331	1.8%	11,774	1.3%	3,701,826	2.0%
Service Equipment	43	0.2%	46	0.0%	7,358	0.0%
Substation Equipment	162	0.9%	36,307	4.1%	3,889,778	2.1%
Other	197	1.0%	17,919	2.0%	1,709,604	0.9%
Public/Customer	2,014	10.7%	131,732	14.8%	21,465,318	11.8%
Trees						
On Right of Way	155	0.8%	7,458	0.8%	1,182,386	0.7%
Off Right of Way	3,901	20.8%	164,012	18.5%	48,766,935	26.9%
Slide into Line from off ROW	9	0.0%	1,216	0.1%	243,567	0.1%
Unknown	1,978	10.5%	89,068	10.0%	11,208,952	6.2%
Weather	3,899	20.8%	179,530	20.2%	54,760,107	30.2%
Total	18,788	100%	888,171	100%	181,532,708	100%

§ 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).

- a. A report attached as Appendix III provides a listing of updates to the planned Ensure Reliable Service work for 2007.
- b. AP's goals may vary slightly throughout the year as work may be modified to meet new or changing field conditions. Some work has more inherent uncertainty associated with establishing budgets and goals more than a year ahead of time.

§ 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.)

- a. Please note that AP's financial expenditure reporting system is based on an organizational view of the company. Cost categories may change as individual groups are sometimes realigned but the reported total T&D O&M expenditures will remain consistent.

T&D Category	Budget	Actual	Budget	Actual
	2nd qtr	2nd qtr	YTD	YTD
..... Distribution Admin_CC	\$ (91,590)	\$ 74,424	\$ (641,901)	\$ 158,542
..... Distribution Support_CC	\$ 1,786,848	\$ 1,721,653	\$ 3,374,871	\$ 3,093,982
..... Field Operations_CC	\$ 5,879,318	\$ 4,873,729	\$ 12,027,991	\$ 10,361,820
..... Distribution Forestry_CC	\$ 2,402,904	\$ 1,889,364	\$ 4,613,133	\$ 3,984,980
..... Transmission Other_CC	\$ (10,122)	\$ 1,880,699	\$ (30,622)	\$ 1,885,030
..... Substations_CC	\$ 1,860,512	\$ 1,601,743	\$ 3,465,052	\$ 3,172,272
..... Transmission Planning & Operations	\$ 1,186,102	\$ 1,023,932	\$ 2,312,714	\$ 2,052,764
..... Technical Services - Delivery_CC	\$ 834,846	\$ 903,947	\$ 1,650,111	\$ 1,756,241
..... Transmission Engineering_CC	\$ 816,685	\$ 750,855	\$ 1,366,471	\$ 1,870,180
..... Transmission Forestry_CC	\$ 840,178	\$ 773,669	\$ 1,583,607	\$ 1,154,157
..... Transmission Projects_CC	\$ 261,961	\$ 129,827	\$ 482,189	\$ 193,140
..... Transmission Siting_CC	\$ 193,008	\$ 167,850	\$ 400,004	\$ 359,133
..... EHV Projects_CC		\$ (10,405)		\$ 18,510
Total	15,960,648	15,581,087	30,603,618	30,060,750

§ 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.)

Plant code	Equipment	\$ millions			
		2nd Quarter Budget	2nd Quarter Actual	YTD Budget	YTD Actual
03	EHV Substation	\$ 0.0	\$ 1.0	\$ 0.0	\$ 1.0
04	EHV Lines	\$ -	\$ 0.0	\$ -	\$ 0.0
05	Transmission Substation	\$ 1.0	\$ 0.4	\$ 0.2	\$ 0.5
06	Elect Transmission Lines	\$ 0.4	\$ 0.1	\$ 0.5	\$ 1.3
07	Distribution Substation	\$ 1.4	\$ 2.1	\$ 3.2	\$ 3.1
08	Elect Distribution Lines	\$ 11.1	\$ 14.1	\$ 21.4	\$ 25.1
09	Elect General Plant	\$ 1.8	\$ 0.5	\$ 2.5	\$ 0.7
11	Subtransmission	\$ (0.4)	\$ (0.3)	\$ (0.4)	\$ 0.2
	Total	\$ 15.3	\$ 17.9	\$ 27.3	\$ 31.8

§ 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).

Position	Count
Lead Lineman Count	104
Lineman A Count	52
Lineman C Count	1
Serviceman A Count	82
Serviceman Apprentice Count	37
Serviceman B Count	2
Serviceman C Count	7
SS Crew Leader Maintenance Count	14
SS Electrician A Count	35
SS Electrician Apprentice Count	3
SS Electrician B Count	6
SS Electrician C Count	5
Utilityman A Count	6
Utilityman B Count	2
Grand Count	356

§ 57.195 (e) (10) Quarterly and year-to-date information on contractor hours and dollars for transmission and distribution operation and maintenance.

a. Contract dollars presented are for T&D O&M only. AP's previous reports included capital as was available from its financial reporting system. AP implemented a new SAP system as of 1/1/07 and is now able to capture T&D O&M. Note that much of AP's contracted work involves firm price/unit price contracts for which no man-hours are documented.

Quarter	Contract Dollars - Qtr	Contract Dollars - YTD
1 st qtr	\$1,243,895	\$1,243,895
2 nd qtr	\$1,658,116	\$2,902,011

§ 57.195 (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.

- Attached as Appendix IV is a report indicating call out acceptance for the each service center in AP Pennsylvania service territory.
- The monthly call-out acceptance rate does not include statistics for crewmembers who are assigned ready-response duties, where applicable.
- Allegheny Power implemented its Automated Resource Call Out System (ARCOS) on June 10, 2005 to track the amount of time to obtain necessary personnel.
- The average callout acceptance time per worker per list called was 4.4 minutes in the second quarter. This number represents the elapsed time per callout list divided by the number of people that accepted. This time includes ready response, which has an elapsed

time of 0 minutes. The data is only for linemen and electrician callouts. The average response time per crew was 5.4 minutes.

Allegheny Power compliance with terms of July 20th, 2006 Reliability Settlement Petition Opinion and Order:

Item	Description	Compliance Status
1	Make Adjustments to Vegetation Maintenance Practices to reduce its rights-of-way clearing cycle to no longer than four (4) years.	Practice in effect
2	Make adjustments to vegetation program to include an assessment of off-right-of-way danger trees.	Practice in effect
3	Maintain 12-year pole inspection cycle for distribution and sub-transmission wood poles	Practice in effect
4	Maintain 12-year facilities inspection cycle for distribution and sub-transmission wood poles	Practice in effect
5	Inspections to include visual inspections of pole, materials and equipment contained thereon from ground line to top of pole, hammer soundings, borings, excavation and treatment of pole.	Practice in effect
6	Perform a mid-cycle visual inspection of poles and equipment such that all circuits are inspected, on average, every 6 years. Incorporate reliability performance and performance of materials and equipment into the prioritization of circuits.	Practice in effect
7	Perform a line workforce study and substation workforce study	Complete
8	Deliver study to Parties within 60 days of final entry of non-appealable Order.	Delivered to Local 102 on 10/24/06; PREA on 3/7/2007
9	Discuss study with Parties within 10 days of delivery.	Met with Local 102 on 10/24/06
10	Within 60 days of entry of final non-appealable order, provide parties with copies of all reliability-related reports filed with the Commission under 52 Pa. Code 57.195 and any additional monitoring reports or compliance reports that may be required under 52 Pa. Code 57.194(h)(1).	Effective 3rd quarter 2006 report.
11	In quarterly and annual reports, include a section reporting on compliance of settlement	Effective 3rd quarter 2006 report.
12	PREA/AEC - meet semi-annually (first meeting to be held no later than 45 days of the date of the final, non-appealable order)	First meeting held 9/14/06
13	PREA/AEC meeting - Discuss most recent outages with particular emphasis on those with duration > 120 minutes	Discussed at 3/7/2007 meeting
14	PREA/AEC meeting - Identify and agree on mutual delivery points that serve critical services/customers	Discussed at 3/7/2007 meeting
15	PREA/AEC meeting - discuss five "worst performing" Delivery Points	Discussed at 3/7/2007 meeting

Appendix I – 5% Distribution Circuit Statistics

SCName	SSName	CktName	CustServed	DCI	SAIFI	SAIDI	CAIDI	ASAI	CMI	CustIntrup	CircuitLockouts	Incidents	Miles
Arnold	ALLERIVER	ALLERIVER	180	53	2.2	503	229	0.99904	90,590	396	-	10	14
Butler	SARVER	BEARCREEK	372	46	3.1	562	184	0.99893	208,848	1,137	3	11	-
Butler	SAXONBURG 138KV	HANNAHSTOWN	538	54	1.6	493	311	0.99906	265,387	853	2	25	32
Butler	SHERWIN	WEST SUNBURY	794	63	1.9	352	190	0.99933	279,748	1,475	2	23	44
Charlton	LARGE	LARGE	528	77	1.2	172	150	0.99967	90,772	606	1	13	16
Charlton	VANCEVILLE	VANCEVILLE	1,319	33	3.2	784	243	0.99851	1,034,240	4,257	3	130	102
Clarton	SLIGO	REIDSBURG	653	71	1.2	253	205	0.99952	165,490	806	-	24	77
Jeannette	HUNTINGDON	HANNTOWN	1,816	82	0.5	110	210	0.99979	199,504	951	-	30	19
Jeannette	PENN	ARLINGTON	1,611	67	1.5	310	207	0.99941	499,742	2,419	1	43	22
Jeannette	SEWICKLEY	MIDDLETOWN	823	(6)	2.3	1,492	654	0.99716	1,227,825	1,877	1	60	41
Jefferson	RUTAN	BRISTORIA	1,153	26	3.7	880	236	0.99833	1,015,184	4,297	-	77	189
Kittanning	BRIDGEBURG	BRIDGEBURG	55	57	1.0	406	414	0.99923	22,329	54	1	4	5
Latrobe	BETHLEN	LAUGHLINTOWN	1,108	72	1.3	232	180	0.99956	257,051	1,428	-	49	57
Latrobe	NEW ALEXANDRIA	SUNDIAL	407	81	2.0	379	186	0.99928	154,136	828	1	30	29
McConnellsburg	MCCONNELLSBURG	HARRISONVILLE	1,387	48	2.9	540	187	0.99897	748,389	4,011	1	71	102
McConnellsburg	WHITETAIL	RESORT	384	81	2.3	348	153	0.99934	133,800	877	-	21	29
Pleasant Valley	IRON BRIDGE 138/12	ALVERTON	668	86	0.4	73	167	0.99986	48,839	293	-	32	25
Pleasant Valley	IRON BRIDGE 138/12	BRIDGEPORT	1,243	71	0.5	197	372	0.99963	244,479	657	-	41	36
St Marys	MARVINDALE	CLERMONT	914	32	3.1	828	270	0.99842	757,358	2,800	2	23	64
St Marys	MARVINDALE	MARVIN CREEK	161	56	1.9	457	238	0.99913	73,649	309	1	3	9
St Marys	MT. JEWETT	TOWN-MT. JEWETT	557	56	2.2	453	211	0.99914	252,128	1,196	1	12	27
St Marys	ROULETTE	BURTVILLE	284	43	2.4	650	269	0.99876	184,806	687	3	18	25
St Marys	ROULETTE	TOWN ROULETTE	460	40	2.5	713	291	0.99864	328,155	1,128	2	26	20
State College	ATHERTON	SOUTH HILLS	998	77	1.7	136	79	0.99974	135,775	1,720	1	57	8
State College	BEECH CREEK	BEECH CREEK	291	60	0.0	25	819	0.99995	7,371	9	-	5	21
State College	BEECH CREEK	BLANCHARD	1,567	54	1.2	488	405	0.99911	733,856	1,811	1	48	83
State College	FOWLER	BALD EAGLE	391	47	0.7	446	656	0.99915	174,370	266	-	26	41
State College	MT. RIANSAIRES TOWER	MT. RIANSAIRES	13	56	3.0	383	128	0.99927	4,977	39	-	3	4
State College	SCOTIA	SCHOOL	1,020	57	2.4	406	167	0.99923	414,319	2,482	2	29	20
State College	THOMPSON FARM	TOFTREES	933	59	1.9	408	220	0.99922	380,412	1,726	-	35	16
State College	WATERVILLE	WATERVILLE	339	(37)	5.1	2,059	408	0.99608	697,175	1,709	-	27	20
Uniontown	BETHÉLBORO	COOLSPRING	1,451	53	2.6	471	179	0.99910	683,278	3,827	-	51	43
Uniontown	EAST MILLSBORO	EAST MILLSBORO	174	(11)	2.3	1,585	688	0.99698	275,757	401	-	36	15
Uniontown	FARMINGTON	OHIOPLYE	612	73	0.9	214	242	0.99959	130,898	540	-	27	62
Washington	AMITY	BANETOWN	1,464	51	1.4	520	381	0.99901	761,872	2,000	-	76	108
Washington	HOUSTON	MCGOVERN	1,618	(9)	4.3	1,531	352	0.99709	2,477,392	7,029	2	80	68
Washington	PANCAKE	STRABANE	329	(34)	3.5	2,073	601	0.99606	681,713	1,134	3	39	10
Washington	PANCAKE	VANCE	379	(59)	4.0	2,568	645	0.99511	973,872	1,509	3	50	37
Waynesboro	FAYETTEVILLE	FALLING SPRINGS	686	50	2.9	501	178	0.99905	343,722	1,956	2	47	35
Waynesboro	QUINCY	ANTHONY HIGHWAY	904	77	2.1	100	48	0.99981	90,629	1,876	1	17	25

Appendix II – 5% Distribution Circuit Remedial Actions

SCName	SSName	CkName	Actions Taken or Planned	Status
Arnold	ALLRIVER	ALLRIVER	Two lockouts occurred when the substation was on single feed to dur planned 25 kV work on alternate feed line. Will investigate additional fusing on side taps. Add recloser.	Circuit review completed first quarter. Design in progress.
Boysa Butler	TREVESKYN SARVER	TREVESKYN BEARCREEK	Install 25kV airswitches to automate substation. Circuit was transferred to adjacent circuit fed by 138 kV transmission. This will eliminate subtransmission-caused outages. Tree trimming planned for 2007.	Design in progress. Circuit transfer complete.
Butler	SAXONBURG 138KV	HANNAHSTOWN	Lockouts due to trees and customer vehicle in same location. Will investigate possible lies.	Investigation in progress.
Butler Cherokee	SHERWIN LARGE	WEST SUNBURY LARGE	Half sectionalizing scheme installed at the station. Tree trimming planned for 2007. Trees trimmed in 2006. Replaced two 25kV airswitches in 2006. Built a circuit tie to adjacent circuit in 2006.	Sectionalizing installed. Work completed.
Cherokee	VANCEVILLE	VANCEVILLE	Trees trimmed in 2006. One outage caused by lightning affected 63% of the CMI for the period.	Trimming completed.
Clarion Jeannette	SUGO HUNTINGDON	REIDSBURG HAHNTOWN	Substation automated in 2006. This will eliminate subtransmission lockouts. Tree trimming planned for 2007. One lockout accounted for 95% of the outages. An off ROW tree broke a pole. Work was delayed until after midnight to interrupt businesses on the dual-circuit pole. The inaccessible pole was replaced between midnight and 5 AM. Reclosers added and another set relocated in 2006 to reduce mainline exposure.	Work completed. Circuit review completed first quarter. 2006 Recloser work completed.
Jeannette	PENN	ARLINGTON	Tree trimming planned for 2007. Electronic OCRs planned for 2007. Will investigate lightning arrestors for lightning-prone areas.	Circuit review completed first quarter. Design work in progress.
Jeannette	SEWICKLEY	MIDDLETOWN	Trees trimmed in 2006. Reconductoring and circuit splitting projects pending PA Turnpike widening project planned for same area - would require major relocation of circuit mainline.	Circuit review completed first quarter.
Jefferson	RUTAN	BRISTORIA	Reconductor 7 miles of 3-phase line along with widening ROW and relocating portions of line. Replace sections of conductor at other locations. Pole inspection cycle.	Work in progress.
Kittanning	BRIDGEBURG	BRIDGEBURG	Fault indicators added to subtransmission line feeding the station to aid in patrolling. Circuit coordination review completed in 2006. Section of three-phase line replaced in 2006.	Work completed.
Latrobe	BETHLEN	LAUGHLINTOWN	Trees were trimmed in 2006. About 50% of the outages occurred on 4/26/06 due to tree on line. Will investigate moving line reclosers. Added fuse to protect underground tap.	Circuit review completed first quarter. Circuit field review planned 3rd quarter.
Latrobe	NEW ALEXANDRIA	SUNDIAL	Ninety-seven percent of the outages occurred on 6/22/06 due to high wind. Circuit review planned for 2007.	Circuit review completed first quarter.
McConnellsburg McConnellsburg Pleasant Valley	MCCONNELLSBURG WHITETAIL IRON BRIDGE 138/12	HARRISONVILLE RESORT ALVERTON	Trees trimmed in 2006. Trees trimmed in 2006. Four lockouts were caused by a loose insulator pin that would fault against the pole then return to normal position.	Trimming completed. Trimming completed. Pin/insulator found and repaired.
Pleasant Valley St Marys St Marys St Marys St Marys	IRON BRIDGE 138/12 MARVINDALE MARVINDALE MT. JEWETT ROULETTE	BRIDGEPORT CLERMONT MARVIN CREEK TOWN-MT.JEWETT BURTVILLE	Tree trimming planned for 2007. Tree trimming planned for 2007. Fuse review completed in 2004, added 5 line fuses. Tree trimming planned for 2007. Fuse review completed in 2006, added 5 line fuses. Trees trimmed in 2006.	Trimming completed. Trimming completed. Trimming completed. Fuses added. Trimming planned.
St Marys	ROULETTE	TOWN ROULETTE	Tree trimming planned for 2007. Fuse review completed in 2006, added 16 line fuses. Replacing substation transformer this year with a larger unit with an LTC.	Trimming planned.
State College State College State College State College State College State College	ATHERTON BEECH CREEK BEECH CREEK FOWLER MT. RIANSARES TOWER SCOTIA THOMPSON FARM	SOUTH HILLS BEECH CREEK BLANCHARD BALD EAGLE MT. RIANSARES SCHOOL TOFTREES	Reconductoring one mile of line in 2006. Trees trimmed in 2006. Fuse review completed in 2006, added 9 line fuses. Trees trimmed in 2006. Fuse review completed in 2004, added 27 line fuses. Fuse review completed in 2005, added 27 line fuses and 2 reclosers. Fuse review completed in 2006, added no line fuses. Fusing review scheduled in 2007, will be adding fusing at several locations. Trees trimmed in 2006. Fuse review completed in 2004, added 10 line fuses. Replaced/injected most of the #2 and 4/0 UG cable on circuit. Replaced two UG switches and added a 750 MCM UG circuit tie for the radial UG feeder that existed on the west side of the Toftrees development (Oakwood 12 kV). As the east side of Toftrees develops we will be adding another 750 MCM UG circuit tie (Village 12 kV). Reduced exposure/loading with new circuit (Village 12 kV).	Design in progress. Trimming completed. Fuses added. Trimming completed. Fuses added. Fuses added. Review planned. Work completed.
State College Uniontown Uniontown	WATERVILLE BETHELBORO EAST MILLSBORO	WATERVILLE COOLSPRING EAST MILLSBORO	Tree trimming planned for 2007. Fuse review completed in 2005, added 3 line fuses. Trees trimmed in 2006. Circuit tie planned for 2007 with adjacent circuit. Tree trimming planned for 2007. One lockout caused by an off right-of-way tree contributed ninety-eight percent of the CMI for the period on this small circuit.	Fuses added. Trimming planned. Design in progress. Trimming planned.
Uniontown	FARMINGTON	OHIOPILE	New 138/12 substation with circuit feeders built in 2006. This will eliminate subtransmission lockouts.	Work completed.
Washington Washington Washington Washington Waynesboro	AMITY HOUSTON PANCAKE PANCAKE FAYETTEVILLE	BANETOWN MCGOVERN STRABANE VANCE FALLING SPRINGS	Trees trimmed in 2006. Circuit review in 2007. Trees trimmed in 2006. Circuit review in 2007. Trees trimmed in 2006. Plans to install animal guards on high frequency animal contact poles.	Trees trimmed. Circuit review planned. Trees trimmed. Circuit review planned. Trees trimmed.
Waynesboro	QUINCY	ANTHONY HIGHWAY	Tree trimming planned for 2007. Circuit recoordination completed on 8/6/06.	Trimming planned.

Appendix III – Goals Progress

Note that targets have been provided for earlier 'TBD' targets. Certain targets were not available previously due to personnel changes and implementation of SAP. Major ERS SS Projects and Major ERS Lines Projects were combined into one goal. UG Cable replacement and cable injection were changed to correspond to the units (feet) listed. SS spraying was revised to reflect consistent units (manhours). Danger poles and reject poles were revised to reflect increased scope of work planned.

2007 Goals - Pennsylvania - Complete Planned Ensure Reliable Service (ERS) Work				
Second Quarter Results				
ERS Program/Project	Unit of Measurement	Target for 2007	Actual Completed	% Completed
Transmission Herbicide Application	# Transmission Lines	7	0	0%
Transmission Lines Trimming and Clearing	# Transmission Lines	47	6	13%
Subtransmission Herbicide Application	# of Subtransmission Lines	62	2	3%
Subtransmission Line Trimming and Clearing	# of Subtransmission Lines	40	7	18%
Distribution Line Trimming, Clearing & Herbicide Applic.	# of Distribution Line Miles	1846	682	37%
Major ERS Projects	# Projects	2	0.1	3%
Transmission Comprehensive Patrol	# Transmission Lines	8	6	75%
Transmission General Patrol	# Transmission Lines	120	54	45%
Ground & Footer Inspections	# Transmission Lines	5	0	0%
Pole Inspection	# Transmission Lines	16	0	0%
Pole Replacements	# Transmission Poles	2	0	0%
Non-Critical Transmission Repairs	# Non-Critical Items	24	15	63%
Subtransmission General Patrol	# Subtransmission Lines	481	7	1%
SS Work (Includes Capital, Planned, & Preventive)	Man-Hours	64,075	25,495	40%
SS Spraying	Manhours	3,133	1,169	37%
Controls Work (Includes Cap., Planned, & Preventative)	Man-Hours	5,660	1,402	25%
Individual ERS Budget Projects	Man-Hours	20,564	6,760	33%
Small Planning Projects	Man-Hours	25,442	6,236	25%
Pole Inspection	# of Circuits	95	7	7%
Pole Reinforcement	# Poles	246	0	0%
Danger Poles	# Danger Poles	115	87	76%
Reject Poles	# Reject Poles	345	190	55%
AIM Work	Points Completed	4,038	1,640	41%
RIP Program	Manhours	5,670	1,227	22%
UG Equipment Inspections	# Locations	5,592	2,675	48%
Recloser Inspections	# Reclosers	2,432	2,036	84%
Regulator Inspections	# Regulators	730	650	89%
Capacitors Inspections	# Capacitors	1,073	885	82%
Recloser Replacements	# Reclosers	252	139	55%
UGD Cable Replacement	Feet	29,657	44,420	150%
Cable Injection	Feet	27,961	8,585	31%

SS and Controls targets reflect original goals that were mislabeled.

Appendix IV – Callout Acceptance

Allegheny Power 2007															
Pennsylvania Local 102															
Linemen															
Service Center	Jan, Feb, Mar			Apr, May, Jun			Jul, Aug, Sep			Oct, Nov, Dec			YTD		
	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average
Arnold	549	167	30%	578	198	34%	0	0		0	0		1127	365	32%
Boyce	295	126	43%	423	172	41%	0	0		0	0		718	298	42%
Butler	484	160	33%	923	246	27%	0	0		0	0		1407	406	29%
Charlton	292	122	42%	550	171	31%	0	0		0	0		842	293	35%
Clarion	70	34	49%	163	68	42%	0	0		0	0		233	102	44%
Jeannette	733	158	22%	769	215	28%	0	0		0	0		1502	373	25%
Jefferson	244	111	45%	461	129	28%	0	0		0	0		705	240	34%
Kittanning	117	60	51%	315	111	35%	0	0		0	0		432	171	40%
Latrobe	441	186	42%	536	167	31%	0	0		0	0		977	353	36%
McConnellsburg	179	111	62%	261	137	52%	0	0		0	0		440	248	56%
McDonald	144	70	49%	195	95	49%	0	0		0	0		339	165	49%
Pleasant Valley	373	132	35%	527	184	31%	0	0		0	0		900	296	33%
St. Mary's	144	122	85%	324	183	56%	0	0		0	0		468	305	65%
State College	486	119	24%	955	187	20%	0	0		0	0		1441	306	21%
Uniontown	419	216	52%	444	200	45%	0	0		0	0		863	416	48%
Washington	402	101	25%	565	108	19%	0	0		0	0		967	209	22%
Waynesboro	519	184	35%	600	218	27%	0	0		0	0		1319	402	30%
Total AP Average	5891	2179	37%	8789	2769	32%	0	0		0	0		14680	4948	34%
Electricians															
Service Center	Jan, Feb, Mar			Apr, May, Jun			Jul, Aug, Sep			Oct, Nov, Dec			YTD		
	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average	No. of Calls	No. Accepted	Average
Arnold	61	44	72%	81	63	78%	0	0		0	0		142	107	75%
Boyce	21	15	71%	39	23	59%	0	0		0	0		60	38	63%
Butler	29	23	79%	44	23	52%	0	0		0	0		73	46	63%
Charlton	36	18	50%	51	32	63%	0	0		0	0		87	50	57%
Jeannette	37	10	27%	37	12	32%	0	0		0	0		74	22	30%
Jefferson	69	28	41%	70	20	29%	0	0		0	0		139	48	35%
Kittanning	23	14	61%	56	40	71%	0	0		0	0		79	54	68%
Latrobe	46	14	30%	83	15	18%	0	0		0	0		129	29	22%
Pleasant Valley	49	20	41%	43	19	44%	0	0		0	0		92	39	42%
St. Mary's	18	8	44%	32	12	38%	0	0		0	0		50	20	40%
State College	39	14	36%	57	12	21%	0	0		0	0		96	26	27%
Washington	26	12	46%	46	12	26%	0	0		0	0		72	24	33%
Waynesboro	63	19	30%	114	18	16%	0	0		0	0		177	37	21%
Total AP Average	517	239	46%	753	301	40%	0	0		0	0		1270	540	43%
Total Combined AP Average	6408	2418	38%	9542	3070	32%	0	0		0	0		15950	5488	34%

Appendix V – 5% Circuit Calculation

DCII

AP calculates the DCII to provide a single index for ranking circuits. The DCII compares the SAIFI, SAIDI, CAIDI and ASAI for each circuit to the 5-year system averages of each index and combines them into a single index. An example of this calculation is shown below:

<u>Index</u>	<u>System Average</u>	<u>Sample Circuit</u> <u>Index</u>
SAIFI	0.66	2.32
SAIDI	181.95	258.8
CAIDI	275.71	176.23
ASAI	0.999654	0.999769

- 1) The SAIFI, SAIDI and CAIDI are compared to the system average indexes.

$$\begin{aligned} \text{Actual SAIFI / System Average SAIFI} &= 2.32 / 0.66 = 3.52 \\ \text{Actual SAIDI / System Average SAIDI} &= 258.8 / 181.95 = 1.42 \\ \text{Actual CAIDI / System Average CAIDI} &= 176.23 / 275.71 = 0.64 \end{aligned}$$

- 2) To permit the average to equal 70 percent this ratio is then inversely proportioned:

$$\begin{aligned} SF &= 1 - (0.3 \times (\text{Actual SAIFI} / \text{Average SAIFI})) = 1 - (0.3 \times 3.52) = -0.0560 \\ SD &= 1 - (0.3 \times (\text{Actual SAIDI} / \text{Average SAIDI})) = 1 - (0.3 \times 1.42) = 0.5740 \\ CD &= 1 - (0.3 \times (\text{Actual CAIDI} / \text{Average CAIDI})) = 1 - (0.3 \times 0.64) = 0.8080 \end{aligned}$$

- 3) The sum of the values is then divided by 3 to assign each index an equal weight in the calculation.

$$(SF + SD + CD) / 3 = (-0.0560 + 0.5740 + 0.8080) / 3 = 0.4420$$

- 4) The Actual ASAI is then multiplied directly to this value to get the interruption factor which when multiplied by 100 provides the DCII.

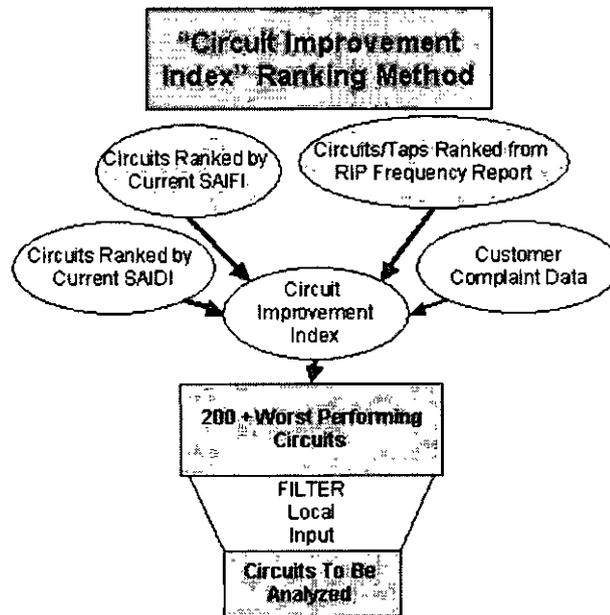
$$((SF + SD + CD) / 3) * ASAI \times 100 = DCII = 0.4420 * 0.999769 * 100 = 44.19$$

Circuit Improvement Index

Allegheny Power is considering a circuit improvement index that includes a number of factors such as frequency of lockouts, frequency of major tap interruptions representing individual customer outage frequency, customer complaint data (if applicable), plus traditional reliability indexes such as SAIFI and SAIDI. A 'master' circuit improvement list will be generated annually and reviewed at the local levels for field input. Field offices, being closer to the customer, have information needed to complete the selection process based on known circuit problems. The master list will then be narrowed to the 100 or so circuits to be studied for the next year. No less than the required applicable state commission requirement will be addressed. Under this circuit selection method,

about the same number of circuits will be evaluated since 5% of AP's 1850 circuits equals 93 circuits. Once circuits are selected for the next year, individual analysis will take place as part of AP's ongoing structured Reliability Improvement Program (RIP). Outage causes will be evaluated, circuit outage maps will be created to assist in the evaluation if needed, and budgets and work plans will be established to improve reliability for viable projects.

A schematic diagram of the process follows:



Appendix VI – Major Event Descriptions

Commission reports for the following major events are presented on the pages following this appendix:

- i. There were no Major Events for the quarter.

Re: Allegheny Power Second Quarter 2007
Reliability Report; PAPUC

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CERTIFICATE OF SERVICE

I certify that this 1st day of August, 2007, I have served a true and correct copy of the Quarterly Reliability Report of Allegheny Power, by first-class mail, postage prepaid, upon the following:

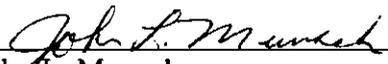
VIA FIRST-CLASS MAIL

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