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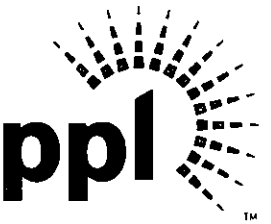


FEDERAL EXPRESS

January 29, 2010

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

Re: PPL Electric Utilities Corporation
Quarterly Reliability Report for the
Period Ended December 31, 2009
Docket No. L-00030161

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 December 31, 2009. 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 January 29, 2010, 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.

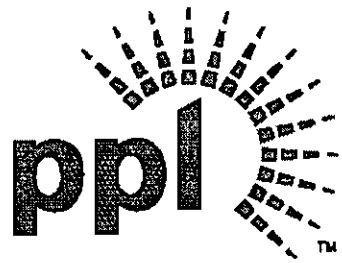
If you have any questions regarding this document, please call me or Joseph M. Kleha, PPL Electric's Manager-Regulatory Compliance and Rates at (610) 774-4486.

Very truly yours,

Paul E. Russell

Enclosures

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



PPL Electric Utilities

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

January 2010

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 December 31, 2009.

SAIFI (Benchmark = 0.98; Rolling 12-month Std. = 1.18)	0.885
CAIDI (Benchmark = 145; Rolling 12-month Std. = 174)	117
SAIDI (Benchmark = 142; Rolling 12-month Std. = 205)	103
MAIFI[1]	4.994
Average Number of Customers Served[2]	1,384,072
Number of Sustained Customer Interruptions (Trouble Cases)	17,469
Number of Customers Affected[3]	1,225,419
Customer Minutes of Interruptions	143,226,586
Number of Customer Momentary Interruptions	6,912,431

During the 4th quarter, there were no PUC-reportable storms ($\geq$ 2,500 customers interrupted for $\geq$ 6 hr.) and six (6) storms that were not reportable, but which did require the opening of one or more area emergency centers to manage restoration efforts.

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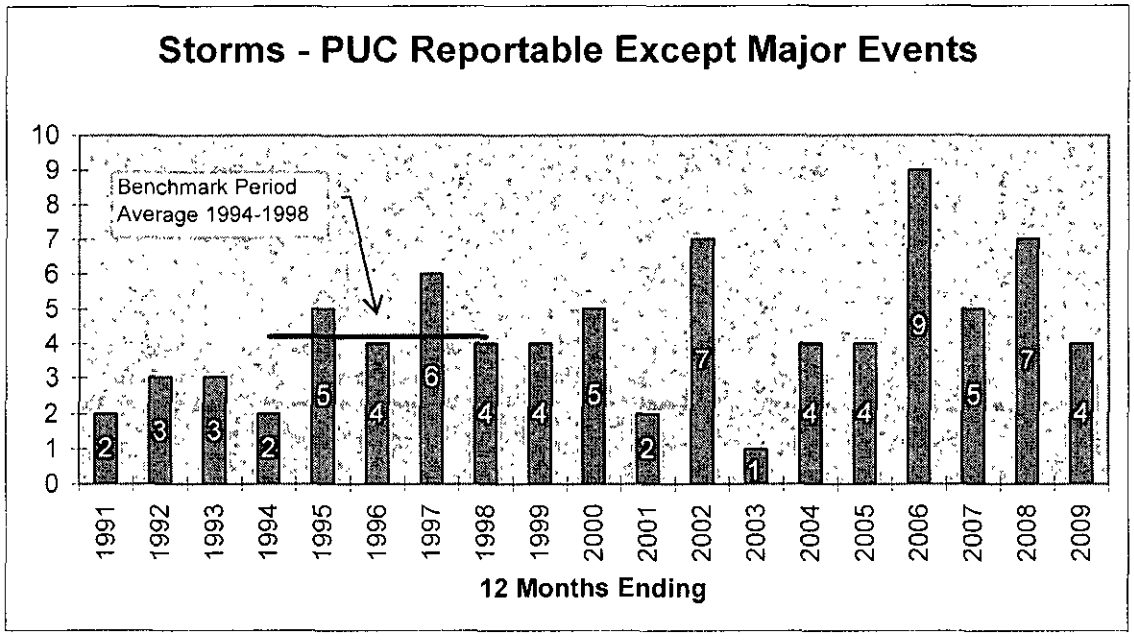
[1] MAIFI data is obtained at the substation breaker and does not include momentary interruptions at lower level devices.

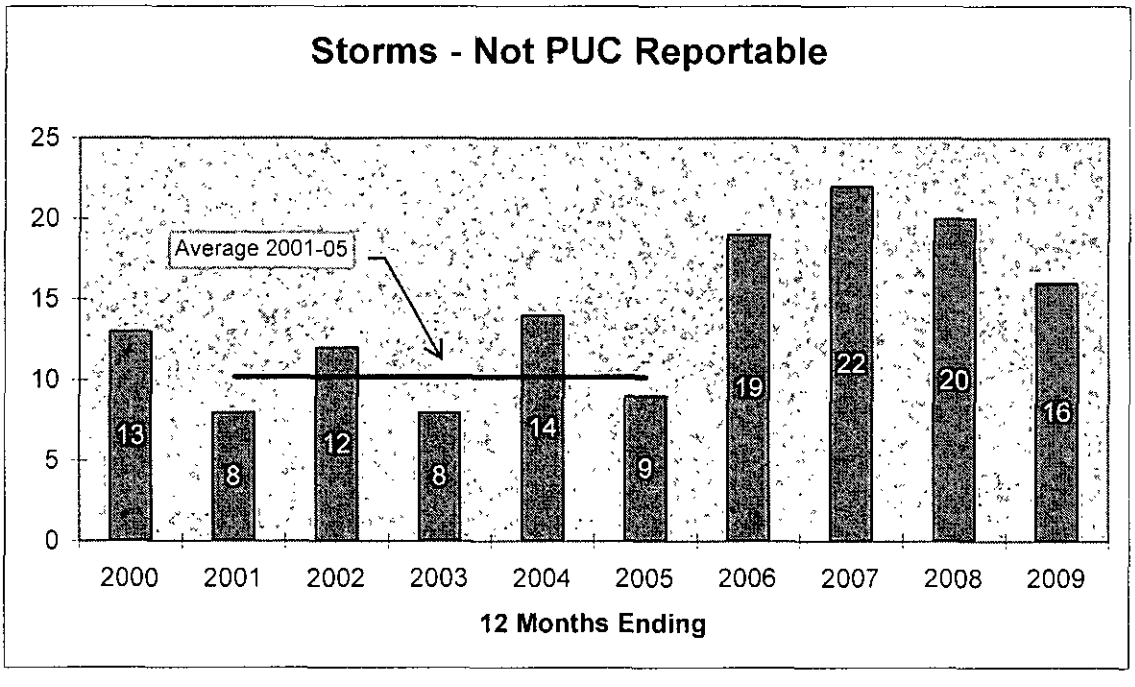
[2] PPL Electric calculates the annual indices using customers served at the end of the period. This is consistent with the method used to calculate PPL Electric's benchmarks.

[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 12-month reporting period, there were four (4) PUC-reportable storms (≥ 2,500 customers interrupted for ≥ 6 hr.) other than major events. This is slightly below the average of 4.2 storms per year during the benchmark years, 1994 through 1998.



In addition, there were sixteen (16) storms that were not reportable, but which did require the opening of one or more area emergency centers to manage restoration efforts. This is 57% 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 quarter[4]. An explanation of how PPL Electric defines its worst performing circuits is included in Appendix A[5].

WPC Rank	Feeder ID	SAIFI	CAIDI	SAIDI	MAIFI	Customers	Cases of Trouble	Customer Minutes Interrupted	CPI
1	22402	4.87	133	645	3.15	1,296	30	836,522	889
2	44001	1.77	1,231	2,182	0.00	132	3	287,975	844
3	12501	5.27	51	267	6.30	1,569	9	418,237	747
4	43106	3.69	285	1,052	2.30	351	13	369,308	670
5	66001	4.54	57	257	1.98	1,003	8	257,499	661
6	43101	2.78	376	1,046	6.96	1,410	42	1,474,498	657
7	60902	4.60	62	286	10.91	476	19	136,185	644
8	41002	3.33	249	830	1.01	1,249	55	1,036,307	619
9	58703	7.81	156	1,216	11.29	419	6	509,356	616
10	46602	2.91	263	764	0.02	1,726	81	1,318,997	598
11	22406	3.58	174	624	5.97	943	27	588,023	591
12	45502	2.87	251	719	0.00	622	32	447,286	588
13	16006	3.93	65	256	5.87	1,998	34	511,973	581
14	23003	2.36	83	196	3.19	491	8	96,148	578
15	22602	3.31	162	537	8.11	1,506	51	808,646	576
16	46702	2.90	303	879	1.09	1,288	48	1,132,468	561
17	40802	5.86	210	1,233	7.97	986	7	1,215,650	550
18	43705	2.08	337	700	3.67	1,373	28	961,315	536
19	57501	2.76	45	123	3.99	1,818	9	223,900	520
20	25501	4.69	83	388	30.63	1,632	64	633,441	471
21	11001	1.65	520	859	4.01	862	20	740,093	466
22	40502	2.59	225	582	2.99	1,919	40	1,117,209	460
23	22002	2.93	168	493	6.01	1,387	49	684,116	460
24	46701	2.39	190	453	1.99	713	26	323,232	459

[4] One feeder (51108), which the calculation method identified among the worst performing because of a data error, was deleted from the listing. All customers have been transferred away from the 51108 feeder due to an underground getaway failure last year. The active customer count on the feeder is zero, so the calculated CPI should be zero.

[5] The revised 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.

WPC Rank	Feeder ID	SAIFI	CAIDI	SAIDI	MAIFI	Customers	Cases of Trouble	Customer Minutes Interrupted	CPI
25	42101	2.58	258	665	1.00	19	5	12,642	456
26	60104	1.90	452	859	0.00	2,063	28	1,772,017	455
27	16402	3.58	105	377	5.05	1,001	46	377,213	451
28	16802	3.65	105	383	14.18	1,784	53	683,920	443
29	45501	1.65	468	770	0.00	1,426	50	1,098,186	443
30	22601	3.38	119	403	6.64	1,969	46	793,007	442
31	41202	2.43	120	293	5.00	1,420	30	416,210	432
32	56501	2.54	139	352	9.98	2,373	35	835,612	430
33	26002	3.15	138	434	6.01	1,184	53	514,060	426
34	43102	2.37	248	589	0.00	971	20	572,248	426
35	46506	2.92	126	369	7.03	1,595	40	589,166	418
36	12402	2.01	224	451	8.04	612	36	275,771	413
37	26001	2.96	138	409	6.08	1,320	55	540,185	406
38	40602	2.69	142	382	7.98	2,914	49	1,111,713	389
39	43104	1.07	640	682	1.00	578	5	394,287	386
40	16401	2.51	128	322	3.00	677	30	217,702	384
41	41701	2.44	205	499	1.03	989	39	493,528	375
42	40201	1.52	406	618	13.01	1,618	65	999,351	371
43	64802	2.42	166	402	0.00	1,271	36	510,882	364
44	64704	5.10	83	423	32.22	419	13	177,050	355
45	42401	1.79	234	418	2.00	740	18	309,582	353
46	60803	3.32	80	265	19.60	2,017	40	534,495	353
47	14007	1.13	496	558	0.99	596	10	332,768	352
48	46302	3.05	90	275	3.25	1,769	71	485,700	352
49	47403	2.20	271	597	4.68	367	16	219,159	351
50	27101	2.33	108	252	8.11	2,697	55	678,824	344
51	28001	3.23	83	269	11.06	1,762	87	474,021	340
52	58302	2.61	144	376	13.09	325	9	122,345	338
53	60406	4.90	123	601	0.99	195	3	117,162	335
54	58401	2.90	116	337	4.25	1,612	53	542,639	331
55	26604	1.68	330	556	2.00	2,453	80	1,364,480	331
56	51804	4.66	119	553	1.00	1,018	14	563,363	325

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: 22402 MORGAN 24-02**			**Location: Scranton** **CPI: 889**
	8/14/2007: Install fault indicators	Canceled	8/31/2009	Reduced outage duration. Inaccessible section of line being removed.
	1/1/2008: Expanded Operational Review.	Completed	8/8/2008	Reduced outage risk.
	10/8/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2008	Reduced outage risk. There were three breaker outages on this line. At least 537 customers experienced 4 outages. The breaker outages were due to equipment failure and animal contact causes. One of the breaker outages had a CAIDI of over 400 minutes.
	Additional projects are being reviewed for inclusion of the budget to increase reliability.	Completed	12/15/2009	Project to relocate an inaccessible section of 3 phase has been identified and will be completed in 2010
	Monitor future performance.	Completed	1/14/2010	Inconclusive. Monitor future performance. There were three breaker outages and one large OCR outage during isolated thunder storms in Q2 2009. The outages were caused by trees from outside the ROW. In Q3 2009 there has been one breaker outages. The outage was caused by an animal contact at the substation. There were no major outages in Q4 2009.
2	**Circuit ID: 44001 W. PENN (LOBO) SOURCE 40-01**			**Location: Susquehanna** **CPI: 844**
	1/13/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	2/28/2010	
3	**Circuit ID: 12501 MINSI TRAIL 25-01**			**Location: Bethlehem** **CPI: 747**
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/12/2009	Inconclusive. Monitor future performance. Four breaker *trips* between February and August 2009 caused this circuit to be on the WPC list. Over 1,500 customers experienced at least 4 outages. This circuit has not had a history of frequent breaker outages. This is a short circuit with multiple ties.

Rank	*Action*	*Status*	*Due/Complete*	*Result*
4	**Circuit ID: 43106 SOUTH MILTON 31-06**			**Location: Sunbury** **CPI: 670**
	Circuit outage data analysis - WPC not on preceding qtr. list. Discuss at WPC Meeting	Completed	11/6/2008	Inconclusive. Monitor future performance. The 31-06 circuit is categorized as a worst performing circuit due to its contribution to the System SAIDI and outages exceeding 4 hours in duration. During the last 12 months, the highest profile outage was caused by a failed terminator that interrupted the breaker for over 4 hours. Another outage caused by trees off the right-of-way interrupted the breaker for over 3 hours. This is generally not a poor performing circuit and is expected to drop off this list within the next quarter or two.
	Relocate inaccessible line. Build accessible tie from adjacent circuit to serve 53 customers in a development that has been interrupted several times in 2008.	Completed	11/27/2009	Reduced outage risk.
	Expanded Operational Review. Voltage profile completed. Identified location to install fuse.	Completed	12/1/2009	Reduced outage risk.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	12/1/2009	Reduced outage risk. The South Milton 31-06 feeder was discussed at Susquehanna Region's WPC meeting on 12/1/09. This circuit is categorized as a worst performer due its high contribution to SAIDI. One breaker outage occurred on April 29 when a transformer fuse failed. Eight other outages occured during an August 9 wind storm, including an interruption of the circuit breaker at the substation. This single event is the primary driver for this circuit to be on the WPC list. Key improvement initiatives on this line include the relocation of an inaccessible, high risk section of line. In 2009, animal guard was installed at all transformer locations in Milton Boro.
5	**Circuit ID: 66001 RHEEMS 60-01**			**Location: Lancaster** **CPI: 661**
	1/4/2010: Expanded Operational Review.	EOR planned	12/31/2010	

Rank	Action	Status	Due/Complete	Result
6	**Circuit ID: 43101 SOUTH MILTON 31-01**			**Location: Sunbury** **CPI: 657**
	1/1/2008: Expanded Operational Review.	Completed	6/30/2008	Reduced outage risk. CYME study has been completed with adequate voltage. Additional sectionalizing will be reviewed and WRs will be taken out.
	3/24/2008: Thermographic inspection-OH line. Thermographic inspection of all two phase and three phase overhead line.	Completed	3/21/2008	No hot spots identified during survey
	3/24/2008: Test underground cable. Replace UG cable per Test Recommendations	Completed	12/5/2008	Reduced outage risk.
	8/1/2008: Install fuse(s). 5 new fuses will be installed as a result of the EOR. WR numbers for the fuses are 443125, 443134, 443101, 443105, 443117.	Completed	9/1/2008	Reduced customer count affected by each outage.
	10/8/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/6/2008	Reduced outage risk. South Milton 31-01 - The 31-01 circuit is categorized as a WPC circuit due to customers experiencing more than 3 outages and high contribution toward the system SAIDI. This circuit was reviewed in 2008 as part of the expanded operational reviews for Sunbury Area. Two improvement projects were identified during the review. An additional air break is also planned for this circuit to improve sectionalizing capabilities.
	10/15/2008: Relocate inaccessible line.	Scheduled for	4/16/2010	
	1/28/2009: Improve sectionalizing capability.	Completed	9/10/2009	Reduced outage duration.
	1/28/2009: Install LBAS(s). Install new Air Break with motor Operator and Telemetrics control for remote operation at 23868N30531.	Completed	9/10/2009	Reduced outage duration.
	1/28/2009: Improve sectionalizing capability. Add automation to two existing Air Breaks.	Completed	9/10/2009	Reduced outage duration.
7	**Circuit ID: 60902 DONEGAL 09-02**			**Location: Lancaster** **CPI: 644**
	Expanded Operational Review. Reliability Analysis Completed 1/24/08 Voltage Profile completed 11/12/08 No reliability work requests needed	Completed	12/31/2008	Reduced outage risk.
	2/1/2008: Thermographic inspection-OH line. Thermographic Inspection - 2008	Completed	3/31/2008	Reduced outage risk.
8	**Circuit ID: 41002 LAURELTON 10-02**			**Location: Sunbury** **CPI: 619**
	3/31/2008: Monitor future performance.	Ongoing		Reduced outage duration.
	Expanded Operational Review. Identified five locations to install animal guards. Identified location to install new OCR to improve sectionalizing.	Completed	12/31/2009	Reduced outage risk.
	Line inspection-equipment.	Completed	4/30/2009	Reduced outage risk. No major items found. 5-10 minor equipment issues identified and addressed.

Rank	Action	Status	Due/Complete	Result
9	**Circuit ID: 58703 ROSEMONT 87-03**			**Location: West Shore** **CPI: 616**
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2009	Inconclusive. Monitor future performance. The majority of the outages were due to trees, not trimming related.
10	**Circuit ID: 46602 LARRYS CREEK 66-02**			**Location: Susquehanna** **CPI: 598**
	11/2/2005: Monitor future performance.	Ongoing		PPL will continue to monitor the circuit's performance in the future.
	8/1/2008: Install tie. Build tie line to Linden 57-2 along SR 220 - USF project	Completed	11/26/2008	Reduced outage duration.
	Expanded Operational Review.	Completed	10/30/2009	Reduced outage risk.
	11/3/2008: Line inspection-equipment.	Completed	12/10/2008	Reduced outage risk. Inspector found 2 locations needing tree trimming. Also found 1 location of energized primary that feeds an abandoned cabin that could be cut in clear.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	12/1/2009	Inconclusive. Monitor future performance. The Larry's Creek #2 circuit was discussed at Susquehanna Region's Quarterly WPC meeting on 12/1/09. This circuit is a WPC due to its high SAIDI contribution. This circuit was severely affected by a summer wind storm on August 9. Significant wind damage, bring trees down across power lines resulted in numerous large scale and long duration outages. Portions of this line was trimmed to reduce the risk for further outages. Other improvements initiatives were developed for this line (new sectionalizing equipment, relocation of inacessible and risk-prone lines, replacement of bridges disconnects on getaway), documented elsewhere in this database.
	1/4/2010: Relocate inaccessible line.	Scheduled for	3/31/2010	Reduced outage risk.
	1/4/2010: Install 1 phase OCR(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Relocate inaccessible line.	Scheduled for	3/31/2010	Reduced outage risk.
	1/4/2010: Relocate inaccessible line.	Scheduled for	3/31/2010	Reduced outage risk.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Relocate inaccessible line.	Scheduled for	3/31/2010	Reduced outage risk.

Rank	*Action*	*Status*	*Due/Complete*	*Result*
11	**Circuit ID: 22406 MORGAN 24-06**			**Location: Scranton** **CPI: 591**
	1/1/2008: Expanded Operational Review.	Completed	8/8/2008	Reduced outage risk.
	7/9/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/15/2008	Three breaker outages occurred on 3/9/08, 6/2/08, 6/29/08. Additional OCR outages created a greater than 3 outage situation for many customers on the line.
	1/19/2009: Circuit outage data analysis - WPC not on preceding qtr. list. Additional projects are being reviewed for inclusion of the budget to increase reliability.	Completed	4/27/2009	Inconclusive. Monitor future performance. Project SP51414- Will rebuild an inaccessable portion of 2/0 Cu along the road with 477 Al. RIS is 11/2012.
	4/15/2009: Pole inspection of inaccessible line section in grid block 533N492.	Completed	4/30/2009	Section of line is old and in poor condition. Investigating the addition of Remote Operator Controlled Switches to sectionalize the inaccessible section.
	4/16/2009: Investigate if the substation equipment has animal guards installed.	Completed	4/30/2009	Animal guards are installed at the substation.
	1/14/2010: Monitor future performance.	Ongoing		High CPI caused by three breaker outages. Two occured during Q2 2009, one due to a vehicle hit and one due to equipment failure. One breaker outage occured in Q3 2009 and was caused by a animal contact at the substation.
12	**Circuit ID: 45502 DERRY 55-02**			**Location: Sunbury** **CPI: 588**
	7/2/2007: Install 3 phase OCR(s). Move existing 3 phase OCR from 29519N31497 to 29410N31521. WR number is 381379.	Completed	1/31/2008	Reduced customer count affected by each outage.
	7/2/2007: Install 1 phase OCR(s). Install two new single phase OCRs at grid locations 29422N31506 (WR# 390982) and 28206N31508 (WR# 396058). Install addional fusing downstream of new single phase OCRs.	Completed	3/13/2008	Reduced customer count affected by each outage.
	12/31/2007: Expanded Operational Review.	Completed	12/31/2008	Consider potential new tie to 55-1
	12/31/2007: Thermographic inspection-OH line. Thermographic inspection of all 2 phase and 3 phase overhead line.	Completed	3/12/2008	Thermovision completed with no major components found.
	7/9/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/12/2008	This circuit was reviewed during Susquehanna's WPC meeting on 8/12/08. The Substation CB was interrupted twice in the past 12 months, once due to trees outside PPL right-of-way and once due to vehicles. This circuit has one tie but conductor size limits its capacity. Engineering will conduct a feasibility study of creating another tie to this circuit.
	1/21/2010: Evaluate potential ties.	Scheduled for	5/31/2012	Super Project 12812 was initiated to create a tie between Derry 55-1 and Watson 33-4. Derry 55-2 has a tie with Derry 55-1 and another with Danville 62-3. The tie with Watson will provide additional operating flexibility. 55-2 could be transfered to Watson via 55-1. SP12812 has an RIS date of 5/2012.

Rank	*Action*	*Status*	*Due/Complete*	*Result*
13	**Circuit ID: 16006 DORNEYVILLE 60-06**			**Location: Lehigh** **CPI: 581**
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2009	Inconclusive. Monitor future performance.
14	**Circuit ID: 23003 SAINT JOHNS 30-03**			**Location: Central** **CPI: 578**
	1/13/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	2/28/2010	
15	**Circuit ID: 22602 KIMBLES 26-02**			**Location: Pocono** **CPI: 576**
	Investigate relocating poles 71347N49205 and 71358N49195. Both of these poles recieved vehicle hits in 2008 which caused breaker outages.	Completed	4/27/2009	Inconclusive. Monitor future performance. Relocation is possible, will monitor for future pole hits.
	Install fuse(s). Install 4 - 100k fuses one single and multi span taps off the main three phase line protected by the circuit breaker	Completed	5/30/2008	Reduced outage risk.
	5/31/2006: Install animal guard(s).	Ongoing	"	These animal guards are installed as needed, following an outage. This will prevent future animal contact related outages.
	Monitor future performance.	Ongoing		
	1/13/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2009	Three breaker outages in 2008 caused by two vehicle hits and one tree related outage significantly contributed to the CPI for this circuit. Customers experiencing more than 3 outages was the biggest contributor to the CPI.
	1/14/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	3/31/2010	High CPI of this circuit is because of 2 large OCR outages caused by trees outside of the right-of-way and a transmission outage due to a failed switch (the switch was replaced).

Rank	Action	Status	Due/Complete	Result
16	**Circuit ID: 46702 RENOVO 67-02**			**Location: Susquehanna** **CPI: 561**
	Expanded Operational Review.	Completed	12/31/2009	Additional fusing identified. Animal guard on Young Woman's Creek. Field reviewed circuit for reliability improvements. Performed Voltage/load/VAR study in CYME. Performed risk analysis on UG dips.
	12/18/2008: Line inspection-equipment.	Completed	1/30/2009	Reduced outage risk. Two high priority items found.
	4/8/2009: Perform line maintenance identified by line inspection. Repair damaged conductor on Young Woman's Creek Tap (WR 499544)	Completed	5/1/2009	Reduced outage risk.
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/25/2009	Inconclusive. Monitor future performance. The Renovo 67-02 circuit was discussed at Susquehanna Region's 2009 Q2 Worst Performing Circuits meeting on August 25, 2009. This circuit is a worst performer due it its high SAIDI contribution. The entire feeder was interrupted twice during the last 4 quarters: in December due to a structure fire (line de-energized for firefighter safety) and once in February during a rain storm. The August 2009 storm may perpetuate this line being categorized as a WPC. There is one area on this circuit that has been subject to multiple interruptions (Young Woman's Creek) and will be considered in 2010 for hazard tree removals.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Add Capacitors	Scheduled for	3/31/2010	Voltage Support
	1/4/2010: Install animal guard(s).	Completed	12/15/2009	Reduced outage risk.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
17	**Circuit ID: 40802 EXCHANGE 08-02**			**Location: Central** **CPI: 550**
	2/13/2009: Expanded Operational Review.	Completed	6/15/2009	Inconclusive. Monitor future performance. Initiated work to install 5 tap fuses and fault indicators at an exisiting sectionalizing air break.
	6/15/2009: Install fuse(s). Install 5 tap fuses to reduce exposure risk to substation.	Scheduled for	8/20/2010	
	6/15/2009: Monitor future performance. Install fault indicators on sectionalizing air break.	Scheduled for	4/2/2010	
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	7/10/2009	Inconclusive. Monitor future performance. SAIDI was 62% of the CPI score. Planned maintenance was scheduled at a neigboring substation so the majority of the customers were transfered to the Exchange 8-2 line. While serving all those customer an outage occured on the line causing an interruption to all of the 8-2 line and all the customers that were tranfered to the line. This caused the circuit to recieve a high SAIDI value. This is the first time this circuit has ever been on the worst performing circuit list.

Rank	Action	Status	Due/Complete	Result
18	**Circuit ID: 43705 WILLIAMSPORT 37-05**			**Location: Susquehanna** **CPI: 536**
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	12/1/2009	Reduced outage risk. The Williamsport #5 circuit was discussed at Susquehanna Region's Quarterly WPC meeting on 12/1/09. This circuit is a WPC due to its high SAIDI contribution and outages longer than 4 hrs in duration. This circuit was severely affected by a summer wind storm on August 9. It is generally not a worst performer but two major improvement initiatives are planned , including a full line and equipment inspection in 2010 and a new OCR to better sectionalize the circuit (see separate entries in database).
19	**Circuit ID: 57501 LAWNTON 75-01**			**Location: Harrisburg** **CPI: 520**
	Expanded Operational Review. Reliability Review Completed 7/22/09. Voltage Profile Completed 7/17/09.	Completed	10/30/2009	Inconclusive. Monitor future performance.
	Install fuse(s). Install new tap fuse	Completed	10/30/2009	Reduced customer count affected by each outage.
20	**Circuit ID: 25501 MADISONVILLE 55-01**			**Location: Pocono** **CPI: 471**
	5/31/2006: Install animal guard(s). Animal guards were installed on a single phase tap. Additional animal guards are installed as necessary.	Ongoing		Reduced outage risk. Installation of animal guards will prevent repeated outages on sections of line.
	1/1/2008: Expanded Operational Review.	Completed	5/29/2009	Reduced outage risk. Two single phase sections will be checked for overloads.
	1/19/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2009	Many long duration outages during storms in June, October, and December of 2008 significantly contributed to the CPI for this cricuit. Two large customer count outages occured in Q2 2008. Over 2.8 million customer minutes were lost during the storms in Q4 2008.
	7/13/2009: Monitor future performance.	Ongoing		There was one circuit breaker outage in Q1 2009. Circuit performance has improved in Q1 and Q2 of 2009
	1/14/2010: Install tie.	Completed	12/1/2009	Reduced customer count affected by each outage. New Jefferson substation went into service early December 2009 reducing the amount of customers and line length of 2-55-01 (Madisonville Sub)
	1/14/2010: Improve sectionalizing capability. Investigate the possibility of adding sectionalizing devices to the ckts ie. ROCS and telemetric OCR's to reduce duration and number of customers effected by an outage.	Scheduled for	3/31/2010	

Rank	Action	Status	Due/Complete	Result
21	**Circuit ID: 11001 EAST GREENVILLE 10-01**			**Location: Bethlehem** **CPI: 466**
	Improve sectionalizing capability. Additional fuses will be added as well.	Scheduled for	2/24/2011	Reduced outage risk. Project being developed to resectionalize trouble spots, and add better fusing scheme to limit customer exposure. Inaccessible portion of the line will be re-fed from a new single phase section.
	Improve sectionalizing capability. Install new OCR, replace existing OCR with telemetric OCR and install motorized switch at East Greenville 10-1/Macungie 27-1 tie.	Scheduled for	3/31/2010	Reduced outage duration.
	Reconductor line.	Scheduled for	3/31/2010	Reduced outage risk.
	4/9/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2009	Inconclusive. Monitor future performance.
22	**Circuit ID: 40502 CRESSONA 05-02**			**Location: Central** **CPI: 460**
	8/1/2007: Improve sectionalizing capability. Motorize normal open load break air switch (LBAS) between 05-03 & 05-02 line along with normally closed LBAS along SR 895 near Summit Station.	Completed	3/31/2008	Reduced outage duration.
	3/7/2008: Install sectionalizers. Install five new single phase tap switches along SR 895 near Summit Station.	Completed	5/2/2008	Reduced customer count affected by each outage.
	1/13/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2009	Inconclusive. Monitor future performance. Two projects have been placed in the buget to provide transfer capability to this circuit. The tie line with the 5-3 line will be reconductored in 2010 and the tie line with the 59-1 line will be reconductored in 2011.
	4/2/2009: Expanded Operational Review.	Completed	5/4/2009	Identified several locations to replace failed equipment, install a new air break, install tap fuses, and install new fault indicators to monitor future performance.
	4/7/2009: Install fuse(s). Install fuse to protect exposure to circuit breaker.	Scheduled for	5/31/2010	
	Monitor future performance. Install 2 fault indicators to help improve response time during outages.	Completed	5/8/2009	Reduced outage duration.
	4/15/2009: Install LBAS(s). Install air break to lower number of customers between sectionalizing devices and allow for more switching opportunities.	Scheduled for	10/22/2010	
	5/4/2009: Perform line maintenance identified by line inspection. Identified several locations to replace failed equipment.	Completed	6/12/2009	Reduced outage risk.

Rank	Action	Status	Due/Complete	Result
23	**Circuit ID: 22002 BOHEMIA 20-02**			**Location: Pocono** **CPI: 460**
	Monitor future performance.	Ongoing		
	1/15/2010: Monitor future performance.	Scheduled for	3/31/2010	A tree outage on 12/3/09, not related to trimming locked out A phase OCR effecting 89 customers. An outage on 12/29/09 caused by a failed PBAB switch on the transmission source (Blooming Grove-West Damascus line) to Bohemia resulted in 1389 Bohemia customer's being interrupted for 1 hr-4 hours.
24	**Circuit ID: 46701 RENOVO 67-01**			**Location: Susquehanna** **CPI: 459**
	Expanded Operational Review.	Completed	12/31/2009	Reduced outage risk.
	12/18/2008: Line inspection-equipment.	Completed	1/30/2009	Reduced outage risk. No maintenance items identified.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	12/1/2009	Inconclusive. Monitor future performance. The Renovo #1 circuit was discussed at Susquehanna Region's Quarterly WPC meeting on 12/1/09. This circuit is a WPC due to outages longer than 4 hrs in duration. This circuit was affected by a summer wind storm on August 9 resulting in all customers experiencing an outage for approximately 5 hours. The circuit was inspected in October and November to identify improvement projects. Several items identified include additional fusing, repair of pole top found bunred by equipment damage, and adding redundancy to the Susquehanna River crossing to S. Renovo Borough. These items are documented individually in this database.
	1/4/2010: Install fuse(s).	Scheduled for	3/31/2010	Reduced customer count affected by each outage.
	1/4/2010: Install animal guard(s).	Scheduled for	3/31/2010	Reduced outage risk.
25	**Circuit ID: 42101 FRAILEY 21-01**			**Location: Central** **CPI: 456**
	2/4/2008: Expanded Operational Review.	Completed	10/6/2008	Reduced outage risk.
	2/19/2008: Tree trimming. CONVERT RADIAL SECTION NEAR GOODSPRINGS TO 12 KV CREATING A N.O. TIE BETWEEN 58-01 & 58-02 LINES.	Scheduled for	12/25/2010	Reduced outage duration.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2009	Inconclusive. Monitor future performance. There are only 19 customers on this feeder. The largest outage is due to an OH pole/arm equipment failure. A project has been placed in the budget to convert this feeder, and other surrounding 23kV feeders, to 12kV; a 4-part project beginning in 2011. The conversion will create more 12 kV ties and transferability among other feeders.

Rank	Action	Status	Due/Complete	Result
26	**Circuit ID: 60104 COCALICO 01-04**			**Location: Lancaster East** **CPI: 455**
	5/19/2008: Perform line maintenance identified by line inspection. LMI Inspection performed on 2 phase and 3 phase line - 13 miles total	Completed	4/1/2009	Reduced outage risk.
	4/9/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	7/13/2009	Inconclusive. Monitor future performance. This circuit is on the list due to SAIDI contributing 54% of the total CPI. The section of line beyond the Blainsport Tap OCR is radial with 1,900 customers. In 2009, two outages due to vehicle hits and one outage due to a tree falling across the line contributed a combined total of over 1.9 million customer minutes lost.
	Evaluate potential ties.	Completed	12/31/2009	Reduced customer count affected by each outage. Evaluated the feasibility of a tie line or substation project to alleviate reliability issues with the Blainsport Tap, which is radial with 1,900 customers. Placed SP 73516 in the budget, which will build a tie between the Cocalico 60104 and 60102 circuits. Required in-service date is November of 2012. Also placed SP 72901 in the budget, which will build a new reliability substation, Reinholds. Required in-service date is November of 2014.
	1/4/2010: Expanded Operational Review.	EOR planned	12/31/2010	
27	**Circuit ID: 16402 MOUNT POCONO 64-02**			**Location: Pocono** **CPI: 451**
	4/8/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2008	Two breaker outages and two OCR outages caused nearly half the line to experience greater than 3 outages.
	10/8/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2008	Reduced outage risk. Over 400 customers experienced 4 or more outages due to varying reasons, from tree outside of the right of way to equipment failure to vehicle contact. In addition, several small outages had a long duration.
	4/9/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2009	Three breaker outages and a large OCR outage significantly contributed to the CPI of this circuit
	1/14/2010: Circuit outage data analysis.	Scheduled for	3/31/2010	The high CPI of this circuit is due to a breaker outage and five outages on an OCR with 400 customers. The breaker outage in Q1 2009 was due to a tree contact during a windstorm. Four of the OCR outages were caused by trees from outside the right-of-way contacting the line and one was a vehicle hit.

Rank	*Action*	*Status*	*Due/Complete*	*Result*
28	**Circuit ID: 16802 WAGNERS 68-02**			**Location: Pocono** **CPI: 443**
	1/13/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2009	Two long duration breaker outages during storms in Q4 2008 significantly contributed to the CPI of this circuit. Also, there were many long duration outages during the October 2008 snowstorm. This circuit was trimmed in 2008 which will help reduce tree related outages which acounted for 91% of the outages.
	Monitor future performance.	Ongoing		There was a breaker outage in Q1 of 2009 due to trees from outside the ROW during a wind storm. There was another breaker outage in Q2 of 2009 due to trees from outside the ROW during thunderstorms. A large OCR outage occurred in Q4 2009 and was caused by a tree from outside the ROW.
	1/14/2010: Install tie.	Completed	11/4/2009	Reduced customer count affected by each outage. SP50718 will create a tie to the Lake Harmony 54-3 line, RIS 5/2012. 1000 customers will be transferred from 68-2 to 54-3.
	1/14/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	3/31/2010	A large number of long outages effecting small numbers of customers greatly contributed to the high CPI of this circuit.
29	**Circuit ID: 45501 DERRY 55-01**			**Location: Sunbury** **CPI: 443**
	3/24/2008: Thermographic inspection-OH line. Thermographic inspection of all two phase and three phase overhead line.	Completed	3/12/2008	Reduced outage risk. Thermovision completed. Awaiting summary of results from Hurley and Associates.
	Expanded Operational Review.	Completed	12/31/2009	No longer among 5% worst performing circuits.
	1/6/2009: Line inspection-equipment. Inspect OH line from OCR 28328N34657.	Completed	2/20/2009	Reduced outage risk. Identified locations with animal guard needed, two bad pole tops, and a possible 1 phase relocation.
30	**Circuit ID: 22601 KIMBLES 26-01**			**Location: Pocono** **CPI: 442**
	Monitor future performance.	Ongoing	8/31/2006	Reduced outage risk. 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.
31	**Circuit ID: 41202 KENMAR 12-02**			**Location: Susquehanna** **CPI: 432**
	Expanded Operational Review.	Completed	12/15/2009	Reduced customer count affected by each outage.
	12/18/2009: Install fuse(s).	Scheduled for	3/31/2010	
	12/18/2009: Install fuse(s). Replace (7) Dead-End Insulators	Scheduled for	3/31/2010	

Rank	Action	Status	Due/Complete	Result
32	**Circuit ID: 56501 ROCKVILLE 65-01**			**Location: Harrisburg** **CPI: 430**
	Expanded Operational Review. Reliability Review Completed 7/22/09. Voltage Profile Completed 6/30/09.	Completed	12/31/2009	Inconclusive. Monitor future performance.
	11/11/2009: Install fuse(s). Install 3 tap fuses	Scheduled for	12/31/2010	Reduced customer count affected by each outage.
33	**Circuit ID: 26002 WEST DAMASCUS 60-02**			**Location: Pocono** **CPI: 426**
	4/9/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2009	There was a long duration breaker outage in Q1 of 2009 due to vehicle hit.
	Install sectionalizers. An intelligent switching project has been identified to reduce customer minutes lost.	Completed	12/31/2009	Reduced customer count affected by each outage.
	8/11/2006: Monitor future performance.	Ongoing		Reduced outage risk. There was a large OCR outage due to trees from outside the ROW in Q2 2009 during a thunderstorm.
	8/14/2007: Tree trimming.	Completed	8/31/2009	Reduced outage risk.
34	**Circuit ID: 43102 SOUTH MILTON 31-02**			**Location: Sunbury** **CPI: 426**
	Expanded Operational Review.	Completed	12/31/2009	Reduced outage risk.
	1/28/2009: Install 3 phase OCR(s). Install new vacuum recloser with Telemetrics control for remote operation.	Scheduled for	7/22/2010	
	1/28/2009: Install LBAS(s). Install new Air Break with motor operator and Telemetrics control for remote operation.	Scheduled for	8/28/2010	
	1/28/2009: Install fuse(s). Install fusing at 5 locations on circuit to improve protection of main line from faults occurring on taps.	Scheduled for	12/1/2010	
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	12/1/2009	Inconclusive. Monitor future performance. The South Milton 31-02 feeder was discussed at Susquehanna Region's WPC meeting on 12/1/09. This circuit is categorized as a worst performer due to a large number of customers interrupted for more than 4 hours. This occurred during an August 9 wind storm. This single event is the sole driver for this circuit to be on the WPC list. Key improvement initiatives on this line include installation of automated devices and animal guard at all transformer locations in Milton Boro.
35	**Circuit ID: 46506 LOCK HAVEN 65-06**			**Location: Susquehanna** **CPI: 418**
	Expanded Operational Review.	Completed	8/5/2008	Inconclusive. Monitor future performance. No voltage or reliability issues identified.
	Thermographic inspection-OH line.	Completed	3/21/2008	Inconclusive. Monitor future performance. No hot-spots identified.

Rank	*Action*	*Status*	*Due/Complete*	*Result*
36	**Circuit ID: 12402 MILFORD 24-02**			**Location: Bethlehem** **CPI: 413**
	4/8/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/7/2008	There were 2 breaker outages in the past year. Also two operations of OCR 65484S40036 which caused many customers to have seen 4 outages.
	7/15/2008: Circuit outage data analysis.	Completed	8/15/2008	Inconclusive. Monitor future performance. This circuit experienced a breaker outage on 8/20/2007 interrupting 1396 customers. A breaker outage on 9/20/2007 interrupted 1379 customers. An OCR outage on 12/16/2007 interrupted 351 customers. A vehicle hit on 1/28/2008 interrupted 844 customers. An OCR outage on 2/1/2008 interrupted 395 customers.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2009	Inconclusive. Monitor future performance.
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2009	Inconclusive. Monitor future performance.
37	**Circuit ID: 26001 WEST DAMASCUS 60-01**			**Location: Pocono** **CPI: 406**
	11/22/2005: Monitor future performance.	Ongoing	11/30/2009	Reduced outage risk. Circuit has been off WPC for 6 quarters.
	2/21/2006: Install animal guard(s). Animal guards will be installed as customers are restored following an animal-related outage	Ongoing		Animal guards will prevent animal contact and reduce customer interruptions.
	1/13/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2009	Inconclusive. Monitor future performance. Many small long duration outages during storms in June and October 2008 significantly contributed to the CPI for this circuit. 500,000 customer minutes were lost during Q4 of 2008.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2009	This circuit experienced a circuit breaker outage during Q3 due to a vehicle hitting a pole. This circuit has had many long duration outages *due to the remote location of the circuit.*
38	**Circuit ID: 40602 PINE GROVE 06-02**			**Location: Central** **CPI: 389**
	Expanded Operational Review.	Completed	9/4/2009	Reduced outage duration. Identified locations to install fault indicators.
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2009	Inconclusive. Monitor future performance. The majority of the outages were due to trees, not trimming related. SAIDI was 37% of the CPI score.
	9/4/2009: Monitor future performance. Initiated work to install fault indicators monitoring an inaccessible section and an primary underground dip.	Scheduled for	6/30/2010	

Rank	Action	Status	Due/Complete	Result
39	**Circuit ID: 43104 SOUTH MILTON 31-04**			**Location: Sunbury** **CPI: 386**
	Expanded Operational Review.	Completed	12/31/2009	Reduced outage risk.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	12/1/2009	The South Milton 31-04 feeder was discussed at Susquehanna Region's WPC meeting on 12/1/09. This circuit is categorized as a worst performer due to a large number of customers interrupted for more than 4 hours. This occurred during an August 9 wind storm when the circuit breaker at the substation was affected. This single event is the sole driver for this circuit to be on the WPC list. Key improvement initiatives on this line include evaluating the possibility of installing additional sectionalizing devices. In 2009, animal guard was installed at all transformer locations in Milton Boro.
40	**Circuit ID: 16401 MOUNT POCONO 64-01**			**Location: Pocono** **CPI: 384**
	Continue to monitor future performance.	Ongoing		
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/31/2009	One breaker outage and several long duration outages during the October 2008 snowstorm greatly contributed to the high CPI of this circuits
	1/18/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	3/31/2010	A breaker outage in Q3 2009 and several single phase taps with multiple outages greatly contributed to the high CPI of this circuit.
41	**Circuit ID: 41701 LOGANTON 17-01**			**Location: Susquehanna** **CPI: 375**
	3/21/2008: Thermographic inspection-OH line.	Completed	3/21/2008	Reduced outage risk. one item found will be cared for in Q2
	5/10/2008: Line inspection-equipment. Patrol line for equipment problems	Completed	7/10/2008	Reduced outage risk. 15 locations to be cared for
	Expanded Operational Review.	Completed	12/31/2009	Reduced outage risk.
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/25/2009	Reduced outage risk. The Loganton 17-01 circuit was discussed at Susquehanna Region's 2009 Q2 Worst Performing Circuits meeting on August 25. 2009. This line is a worst performer due to a large number of customers experiencing an interruption longer than 4 hours and a high SAIDI contribution. One outage was due to a pole hit by a vehicle interrupting the entire line for nearly 5 hours. This circuit is radial with no ties. This line is not typically a worst performer and is expected to drop off the list within 2 quartes, assuming good performance moving forward.

Rank	*Action*	*Status*	*Due/Complete*	*Result*
42	**Circuit ID: 40201 BEAR GAP 02-01**			**Location: Central** **CPI: 371**
	7/19/2007: Load balancing. Phase swapping to take place to balance load @34408N24524. Balancing single phase off of the two phase @ 34307N24534.	Completed	4/30/2008	Increase power quality.
	7/19/2007: Install a voltage regulator @ 37173N26626.	Completed	4/30/2008	Increase power quality.
	7/19/2007: Install a 100 Fixed Capacitor Bank @ 37116N27251.	Completed	4/30/2008	Reduced outage risk. This is to improve voltage on this single phase tap.
	1/9/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2008	Majority of outages were due to equipment failures and trees, not trimming related.
	3/24/2008: Thermographic inspection-OH line. Thermographic inspection of all two phase and three phase overhead line.	Completed	4/24/2008	No hot spots identified
	Relocate inaccessible portions of single phase tap after the Fisherdale Tap OCR	Completed	9/4/2008	Reduced outage duration.
	5/2/2008: Relocate inaccessible line.	Completed	9/1/2009	Reduced outage risk. Drag-O-Way tap - build tie along road and remove inaccessible through woods.
	2/13/2009: Expanded Operational Review.	Completed	5/27/2009	Initiated work to install fault indicators, tap fuses, and an OCR.
	4/20/2009: Monitor future performance. Install 7 new fault indicators to help reduce outage durations.	Scheduled for	7/9/2010	
	4/20/2009: Install fuse(s). Install tap fuse to reduce customer outages. Fuse installation can reduce customers interrupted from 103 to 18.	Scheduled for	7/16/2010	Inconclusive. Monitor future performance.
	5/27/2009: Install 1 phase OCR(s). Install OCR to replace overloaded tap fuse.	Scheduled for	8/13/2010	
	6/15/2009: Relocate inaccessible line. Relocate three phase line to main road and remove inaccessible single-phase tap.	Scheduled for	7/16/2010	Inconclusive Monitor future performance.
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2009	SAIDI was 50% of the CPI score. The majority of the outages were due to trees, not trimming related. Last tree trimming on this feeder was completed on 12/2004.

Rank	Action	Status	Due/Complete	Result
43	**Circuit ID: 64802 MOUNT NEBO 48-02**			**Location: Lancaster East** **CPI: 364**
	12/18/2007: Evaluate potential ties. Trevor Siegfried will investigate future line loadings to help justify potential ties to the Mt Nebo 48-2 line	Completed	2/1/2008	Reduced customer count affected by each outage. further justification needed
	5/19/2008: Line inspection-equipment. LMI Inspection to be performed on 3 phase line - 6.6 miles total	Completed	12/31/2009	Reduced outage risk.
	Expanded Operational Review. Voltage Profile Completed 4/21/09 Reliability Analysis Completed 4/21/09 See subsequent records for reliability work requests	Completed	12/31/2009	Reduced outage risk.
	4/28/2009: Monitor future performance. Install 150 kVA Regulator n/o 39518s20247 (Node 13).	Scheduled for	3/31/2010	Inconclusive. Monitor future performance.
	7/10/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/14/2009	Reduced customer count affected by each outage. Discussions around constructing tie to West Willow and constructing substation in Marticville to reduce outage duration and customers affected.
	11/3/2009: Install 3 phase OCR(s). Replace Hydraulic OCR with Telemetric Electronic OCR 40077s20754	Completed	10/29/2009	Reduced outage duration.
	1/15/2010: Line inspection-equipment. Complete Line Inspection on multiphase line sections - 6.6 miles total	Completed	8/10/2009	Reduced outage risk.
	1/15/2010: Perform line maintenance identified by line inspection. WR 538735 - Replace Deteriorated xarm	Completed	12/31/2009	Reduced outage risk.
44	**Circuit ID: 64704 LITITZ 47-04**			**Location: Lancaster East** **CPI: 355**
	1/13/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	2/28/2010	
45	**Circuit ID: 42401 GIRARD MANOR 24-01**			**Location: Central** **CPI: 353**
	2/13/2009: Expanded Operational Review.	Completed	5/12/2009	Identified locations to install 5 fault indicators and 1 tap fuse.
	5/12/2009: Monitor future performance. Install 5 fault indicators to identify faults in inaccessible portions of the line.	Scheduled for	7/23/2010	
	5/12/2009: Install fuse(s). Install single phase tap fuse to reduce exposure risk.	Scheduled for	5/14/2010	
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2009	SAIDI was 34% of the CPI score. The majority of the outages were due to trees, not trimming related. Last tree trimming on this feeder was completed in 2005.

Rank	Action	Status	Due/Complete	Result
46	**Circuit ID: 60803 BUCK 08-03**			**Location: Lancaster East** **CPI: 353**
	1/2/2009: Expanded Operational Review. Voltage Profile Completed 8/18/09 Reliability Analysis Completed 8/18/09 Reliability work requests under field review	EOR initiated	12/31/2009	Reduced outage risk.
	1/15/2010: Line inspection-equipment. Complete Line inspection on multiphase line sections - 15.7 miles total	Completed	1/30/2009	Reduced outage risk.
	1/15/2010: Perform line maintenance identified by line inspection. Initiated 18 work requests for deteriorated poles/arms/hardware at 40 locations.	Scheduled for	1/29/2010	Reduced outage risk.
47	**Circuit ID: 14007 SELLERSVILLE 40-07**			**Location: Bethlehem** **CPI: 352**
	1/13/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	2/28/2010	
48	**Circuit ID: 46302 ROHRSBURG 63-02**			**Location: Sunbury** **CPI: 352**
	4/3/2007: Perform line maintenance identified by line inspection.	Completed	8/15/2008	Reduced outage risk.
	12/31/2007: Expanded Operational Review.	Completed	9/30/2008	No voltage issues, looking at several reliability projects
	12/31/2007: Thermographic inspection-OH line. Thermographic inspection of all 2 phase and 3 phase overhead line.	Completed	3/10/2008	No hot spots identified.
	1/9/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/15/2008	WPC Team reviewed circuit for reliability. This circuit will most likely remain a WPC due to 11/18-11/20 storm. The team identified several improvement projects and additional sectionalizing.
	3/13/2008: Install 1 phase OCR(s). Replace fuse with 1 phase OCR at 37430N35717. Close NO at 37408N35600. Install slot fusing and feed this tap from north to south. Install new NO near 37420N34855.	Scheduled for	6/1/2010	Reduced customer count affected by each outage.
	3/13/2008: Relocate inaccessible line. Relocate inaccessible taps from fuse 37423N35271 (Savage Hill Rd).	Scheduled for	6/1/2010	Reduced outage duration.
	7/9/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	8/15/2008	Reduced outage risk. Reviewed circuit performance at SUSQ WPC meeting on 8/12/08. This circuit has had many interruptions due to trees outside PPL right of way. One small reliability project to relocate inaccessible taps has been identified (Savage Hill Rd).

Rank	*Action*	*Status*	*Due/Complete*	*Result*
49	**Circuit ID: 47403 PENNS 74-03**			**Location: Sunbury** **CPI: 351**
	3/24/2008: Thermographic inspection-OH line.	Completed	3/13/2008	Reduced outage risk. Thermovision completed. Awaiting summary of results from Hurley and Associates. Thermographic inspection of all two phase and three phase overhead line.
	5/1/2008: Load balancing.	Canceled	6/30/2008	Load Balancing to accomadate line transfer of customers from Middleburg 42903 to the Penns 47403. Transfering load and customers to better analyze loading issues and flickering light issues in the town of Kreamer.
	5/1/2008: Reconductor line.	Completed	9/11/2008	Reduced outage risk. Reconnductored approximately seven spans from 4/0 cu to 477 ACSR to increase load capability.
	Install LBAS(s).	Completed	5/1/2009	Installing LBAS (21573S53611) to accomadate line transfer of customers from Middleburg 42903 to the Penns 47403. Transfering load and customers to better analyze loading issues and flickering light issues in the town of Kreamer.
	5/1/2008: Install sectionalizers. Installed Voltage Regulator	Completed	6/2/2008	Reduced outage risk. Installed Voltage Regulator (21762S53414) on WR 441340 to accommodate line transfer of customers from Middleburg 42903 to the Penns 47403. Transfering load and customers to better analyze loading issues and flickering light issues in the town of Kreamer. Regulator will assist in regulating voltage for the residence south of Kreamer on Freeburg Road.
	1/13/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/24/2009	Reduced outage risk. The Penns #3 line was discussed at Susquehanna Region's Worst Performing Circuit Meeting on February 24, 2009. This circuit is a Worst Performing Circuit because of the number of customers experiencing more than 3 outages. This line serves about 360 customers. The substation circuit breaker was interrupted two times within the past 12 months, along with several tap fuses impacting about 100 customers each. These outages have been isolated cases and no pattern of poor performance is expected to continue. This circuit has typically not been a worst performer, and is expected drop off the list once the 3rd Quarter of 2008 is dropped from the calculation..
	Reconductor line.	Completed	11/30/2009	Reduced outage risk.
50	**Circuit ID: 27101 GREENFIELD 71-01**			**Location: Scranton** **CPI: 344**
	Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	11/30/2009	Inconclusive. Monitor future performance. A breaker outage occurred in Q3 2009 due to an animal contact at the substation. There have been 3 large OCR outages, 2 of which were caused by trees outside the ROW and one of which was caused by a failed insulator.
	1/14/2010: Relocate inaccessible line. Investigate relocating inaccessible 3 phase section of line.	Scheduled for	3/31/2010	

Rank	Action	Status	Due/Complete	Result
51	**Circuit ID: 28001 TAFTON 80-01**			**Location: Pocono** **CPI: 340**
	1/2/2007: Load balancing.	Completed	5/30/2008	Reduced outage risk. Identified 3 phase swaps with single phase taps to balance current and voltage on the 3 phase line.
	4/8/2008: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	5/31/2008	Reduced outage risk. A large long duration OCR outage in Q1 2008 contributed to the CPI for this circuit.
	1/13/2009: Circuit outage data analysis - WPC not on preceding qtr. list.	Completed	2/28/2009	This circuit exprienced a long duration breaker outage and many smaller long duration outages during the October 2008 snowstorm which significantly contributed to the CPI for this circuit. Over 1.9 million customer minutes were lost during this storm.
	4/20/2009: Monitor future performance.	Ongoing		Inconclusive. Monitor future performance. Circuit performance improved in Q1 2009. In Q2 2009 there have been several small long duration outages due trees from outside the ROW contacting the line during thunderstorms. Circuit performance improved in Q3 2009.
52	**Circuit ID: 58302 NOTTINGHAM 83-02**			**Location: West Shore** **CPI: 338**
	1/1/2008: Thermographic inspection-OH line.	Completed	4/30/2008	Reduced outage risk.
	3/17/2009: Expanded Operational Review. Reliability Review Completed 8/11/09. Voltage Profile Completed 7/09/09. Field Work Request Review in Progress.	EOR initiated	12/31/2009	
	Circuit outage data analysis - WPC not on preceding qtr. list. Customers experiencing greater than 3 interruptions major contributing factor, trees out of the right of way. Forester patrolled and hot spotted.	Completed	5/31/2009	Reduced outage risk.
	11/11/2009: Install fuse(s). Install 2 tap fuses	Scheduled for	12/31/2010	Reduced customer count affected by each outage.
53	**Circuit ID: 60406 DILLERVILLE 04-06**			**Location: Lancaster** **CPI: 335**
	1/2/2008: Expanded Operational Review. Reliability Analysis Completed 1/18/08 Voltage Profile Complete 7/30/08 No reliability work needed	Completed	7/30/2008	Reduced outage risk.
	2/1/2008: Thermographic inspection-OH line. Thermographic Inspection - 2008	Completed	3/31/2008	Reduced outage risk.
54	**Circuit ID: 58401 MOUNT ROCK 84-01**			**Location: West Shore** **CPI: 331**
	1/1/2008: Expanded Operational Review. Reliability Review Completed 7/7/08. Voltage Profile Completed 10/29/08.	Completed	11/10/2008	Reduced outage risk.
	1/1/2008: Thermographic inspection-OH line.	Completed	4/30/2008	Reduced outage risk.
	Install fuse(s). Install 6 new tap fuses	Completed	11/5/2009	Reduced customer count affected by each outage.

Rank	*Action*	*Status*	*Due/Complete*	*Result*
55	**Circuit ID: 26604 BROOKSIDE 66-04**			**Location: Scranton** **CPI: 331**
	Expanded Operational Review.	Completed	12/31/2008	Reduced outage risk.
	Tree trimming. Lake Winola portion of the line is being trimmed.	Completed	8/30/2008	Reduced outage risk.
	Improve sectionalizing capability. Sectionalizing is being reviewed for this circuit under the new line arrangement by the field engineer.	Completed	8/30/2008	Reduced outage duration.
	3/20/2008: Relocate inaccessible line. We relocated 54564N51255 away from the line of traffic on SR6. This work is being done on WR 434252.	Completed	5/31/2008	Reduced outage risk.
	1/14/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	3/31/2010	One large breaker outage in Q2 2009 greatly contributed to the high CPI of this circuit. The outage was caused by a tree from outside the ROW and lost over 900,000 customer minutes.
56	**Circuit ID: 51804 EBENEZER 18-04**			**Location: Harrisburg** **CPI: 325**
	1/13/2010: Circuit outage data analysis - WPC not on preceding qtr. list.	Scheduled for	2/28/2010	

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, Trees – Not Trimming Related, and Animals), which are based on the percentage of cases of trouble, are highlighted in the table. Service interruption definitions are provided in Appendix B. PPL Electric's maintenance programs focus on corrective actions to address controllable interruptions (e.g., trees and equipment failure).

Cause Description	Trouble Cases[6]	Percent of Trouble Cases	Customer Interruptions[7]	Percent of Customer Interruptions	Customer Minutes	Percent of Customer Minutes
Improper Design	0	0.00%	0	0.00%	0	0.00%
Improper Installation	2	0.01%	1,576	0.13%	139,668	0.10%
Improper Operation	1	0.01%	1,342	0.11%	10,749	0.01%
Trees - Inadequate Trimming	630	3.61%	27,832	2.27%	4,181,678	2.92%
Trees - Not Trimming Related	4,262	24.40%	353,734	28.87%	61,132,760	42.68%
Animals	3,904	22.35%	98,734	8.06%	6,297,864	4.40%
Vehicles	699	4.00%	125,318	10.23%	11,537,379	8.06%
Contact/Dig-in	167	0.96%	22,904	1.87%	1,147,492	0.80%
Equipment Failure	5,288	30.27%	422,248	34.46%	43,460,905	30.34%
Directed by Non-PPL Authority	142	0.81%	5,890	0.48%	563,643	0.39%
Other - Controllable	114	0.65%	2,367	0.19%	315,428	0.22%
Nothing Found	1,666	9.54%	94,416	7.70%	7,443,073	5.20%
Other - Public	113	0.65%	10,858	0.89%	902,014	0.63%
Other - Non-Controllable	481	2.75%	58,200	4.75%	6,093,931	4.25%
Total	**17,469**	**100.00%**	**1,225,419**	**100.00%**	**143,226,586**	**100.00%**

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

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

Analysis of causes contributing to the majority of service interruptions:

Weather Conditions: PPL Electric records weather conditions, such as wind or lightning, as contributing factors to service interruptions, but does not code them as direct interruption causes. Therefore, some fluctuations in cause categories, especially tree- and equipment-related causes, are attributable to weather variations. PPL Electric has experienced an elevated level of both reportable and non-reportable storms during this reporting period.

Trees – Inadequate Trimming: On January 1, 2010, PPL Electric initiated a prescriptive tree trimming program that moved maintenance trimming cycles to five years for all circuits in PPL Electric's northern territory and four years for all circuits in PPL Electric's southern territory. These cycles are inclusive of both urban and rural circuits and will shorten the overall average trimming cycle for the system.

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

Animals: Animals accounted for about 22% 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 85% of the number of cases of trouble is associated with individual distribution transformers. However, when animal contacts affect substation equipment, the effect may be widespread and potentially can interrupt thousands of customers on multiple circuits. In addition to guarding new distribution transformers, in 2009, PPL Electric initiated distribution and substation animal guarding programs to systematically focus on protecting existing facilities most at risk of incurring animal-caused interruptions.

Vehicles: Although vehicles cause a small percentage of the number of cases of trouble, they accounted 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 46% of the cases of trouble, 50% of the customer interruptions and 58% of the customer minutes attributed to equipment failure were weather-related and, as such, are not considered to be indicators of equipment condition or performance. In 2009, to help reduce the risk of incurring service interruptions due to equipment failures, PPL Electric initiated an Asset Optimization Strategy project to assess equipment health and generate a long-term plan for proactive infrastructure replacement and enhanced maintenance practices. It is anticipated that, over time, this strategy will improve reliability performance as it relates to PPL Electric's distribution, substation and transmission assets.

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.)***

This information will be provided in the Annual Report.

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.)***

This information will be provided in the Annual Report.

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.)***

This information will be provided in the Annual Report.

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

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

Transmission and Distribution (T&D)	
Lineman Leader	80
Journeyman Lineman	147
Journeyman Lineman-Trainee	153
Helper	30
Groundhand	16
Troubleman	54
T&D Total	**480**
Electrical	
Elect Leaders-UG	9
Elect Leaders-Net	9
Elect Leaders-Sub	25
Journeyman Elect-UG	26
Journeyman Elect-Net	8
Journeyman Elect-Sub	49
Journeyman Elect Trainee-UG	10
Journeyman Elect Trainee-Net	12
Journeyman Elect Trainee	42
Helper	15
Laborer-Network	0
Laborer-Substation	2
Electrical Total	**207**
Overall Total	**687**

Appendix A

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.

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 four general classifications: Controllable, Non-Controllable, Public and Non-PPL. The definitions of the cause codes are:

10 – Improper Design	Controllable	• 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	• 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	• 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	• Outages resulting from the lack of adequate tree trimming (within the Right of Way).
35 – Trees – Not Trimming Related	Non-Controllable	• Outages due to trees, but not related to lack of proper tree trimming maintenance. This includes danger timber blown into PPL Electric facilities, and trees or limbs felled by the public.
40 – Animals	Controllable	• 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	• When cars, trucks or other types of vehicles or their cargoes strike facilities causing a problem.
51 – Contact/Dig-in	Public	• 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.

60 – Equipment Failure	Controllable	• 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.
77 – Non-PPL Problem – Other	Non-PPL	• Where no PPL Electric or customer facilities were affected, and no repair or restoration was carried out on PPL Electric equipment.
78 – Non-PPL Problem – Customer Facility	Non-PPL	• Where no PPL Electric facilities were affected, and no repair or restoration was carried out on PPL Electric equipment.
80 – Scheduled Outage[8]	Controllable	• Interruptions under the control of a PPL Electric switchman or direction of a PPL Electric System Operator for the purpose of performing scheduled 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 – Directed by Non-PPL Authority	Non-Controllable	• 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.

[8] 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 outage when the interruption is postponed.

90 – Other – Controllable (Lineman provides explanation)	Controllable	• 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. • Controllable interruptions or Power Service Problems whose cause is not described by one of the previous controllable cause codes.
96 – Nothing Found	Non-Controllable	• 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 thunder and lightning, when a line fuse blows or a single phase OCR locks open. • When closed for test, the fuse holds or the OCR remains closed. A patrol of the tap reveals nothing.
98 – Other Public (Lineman provides explanation)	Public	• All outages resulting from gunfire, civil disorder, objects thrown, or any other act intentionally committed for the purpose of disrupting service or damaging company facilities.
99 – Other – Non-Controllable (Lineman provides explanation)	Non-Controllable	• 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, or fences, being accidentally blown or thrown into overhead facilities. • All problems caused by contact of energized equipment with facilities of other attached companies or by trouble on customer owned equipment. • Interruptions or Power Service Problems whose cause is not described by one of the previous non-controllable cause codes, but is not affected by a PPL Electric employee's decisions.

Appendix C

PPL Electric Utilities Corporation
Job Descriptions

Transmission and Distribution

Groundhand	• Performs manual labor and assists employees in higher job classifications.
Helper	• 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	• 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	• 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	• 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	• Investigates and resolves trouble calls, voltage abnormalities on transmission and distribution systems associated with, but not limited to, PPL Electric facilities.

Electrical

Electrician Leader - Substation - Network - Underground	• 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	• 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	• Performs manual labor and assists employees in higher job classifications.
Journeyman Electrician - Substation - Network - Underground	• 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	• 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.

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