



LEGAL SERVICES

ORIGINAL

800 Cabin Hill Drive  
Greensburg, PA 15601-1689  
Phone: (724) 837-3000  
FAX: (724) 838-6464  
Writer's Direct Dial No. (724) 838-6210  
E-mail: jmunsch@alleghenyenergy.com

November 1, 2005

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VIA FEDERAL EXPRESS

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

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

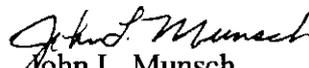
Re: Third Quarter 2005 Reliability Report of Allegheny Power

Dear Secretary McNulty:

L-00030161

Enclosed please find an original and six copies of the Third Quarter 2005 Reliability Report of Allegheny Power. This report is filed by Federal Express and is deemed filed today, November 1, 2005. Copies have been served on the Office of Consumer Advocate and the Office of Small Business Advocate.

Very truly yours,

  
John L. Munsch  
Senior Attorney

cc: Thomas Sheets-PAPUC- Bureau of Audits

**Allegheny Power  
Quarterly Report for Third Quarter 2005**

This quarterly report is being submitted in accordance with 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  
Manager, Distribution reliability  
(724) 838-6540  
[jcormac@alleghenypower.com](mailto:jcormac@alleghenypower.com)

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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 third quarter of 2005. Note that these events are excluded based upon the proposed 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' reports as previously issued to the Commission if applicable.
  - i. There were no Major Events in the third 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. Although not excluded from statistics, AP's Pennsylvania service territory experienced several minor events ('RS Events') in the past 12 months characterized by having received a severe weather alert accompanied by at least 5,000 Allegheny Power Company customers interrupted. The following summary indicates the extent of these RS Events affecting Pennsylvania customers:

# RS Events	Customers Interrupted	Customer Minutes Interrupted
25	246,635	76,434,876

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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.

- a. The following table provides Pennsylvania's 12-month ending reliability statistics for month ending September 2005. MAIFI statistics are not recorded nor readily available at Allegheny Power. As disclosed in prior filings, sufficient field equipment is not available to provide meaningful data for momentary interruptions.

		Rolling	Rolling	Current Quarter
Reliability	Recomputed	12-Month	3-Yr Avg.	Performance
Indices	Benchmark	Standard	Standard	(rolling 12-month)
SAIFI	0.67	0.8	0.74	1.16
CAIDI	178	214	196	206
SAIDI	119	172	144	240

Data supporting indices:

Zone	Incidents	Interrupted Customers	Avg Cust Served	kVA	Calls	CMI	SAIDI	ASAI	CAIDI	SAIFI
Pennsylvania	17442	806367	693,163	8,104,658	119207	166,279,203	240	0.999543	206	1.16

Note: Allegheny Power has a petition pending with the Commission to modify its benchmarks due to incomplete and inaccurate outage data utilized during establishment of the benchmarks.

§ 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 the Distribution Circuit Interruption Index (DCII). The data is ranked by DCII and includes all of the standard indices. The report is attached as Appendix I.
- b. Distribution Circuit Interruption Index is a composite index based on the SAIFI, CAIDI, SAIFI, and ASAI (see the description of the calculation of this index 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 three or more lockouts/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. Field personnel review these circuits quarterly. 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.
- c. AP has also continued a Reliability Improvement Initiative (RIPInit) for 2005 to review over-current protection on poor performing and high-density distribution circuits. This initiative focuses on installing additional sectionalizing equipment to reduce main line exposure and to minimize the number of customers impacted by forced interruptions. Many of these RIPInit circuits are also on the worst performing circuit list.
- d. AP has initiated a circuit improvement initiative whereby AP's recent 100 worst performing circuits are identified, studied, and targeted for further possible improvements based on the review of outage causes. Approximately one-third of these circuits are Pennsylvania circuits.

§ 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 73% of all customer interruptions are caused by non-equipment-related causes. Also note that 98% 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	Customers Interrupted 12 Month ending September 2005		Customers Minutes Interrupted 12 Month ending September 2005	
	Number	Percent	Number	Percent
<b>Animals</b>	31,071	3.9%	3,270,404	2.0%
<b>Overhead Equipment Failure</b>				
Overhead Line Equipment	21,933	2.7%	3,526,707	2.1%
Overhead Line Material	101,352	12.6%	12,637,903	7.6%
Overhead Wire	54,768	6.8%	7,282,642	4.4%
<b>Underground Equipment</b>				
Underground Line Material	905	0.1%	219,993	0.1%
Underground Line Equipment	1,571	0.2%	608,778	0.4%
Underground Cable	14,615	1.8%	3,989,074	2.4%
<b>Service Equipment</b>	82	0.0%	15,364	0.0%
<b>Substation Equipment</b>	24,598	3.1%	4,416,031	2.7%
<b>Other</b>	17,930	2.2%	1,489,149	0.9%
<b>Public/Customer</b>	140,130	17.4%	24,804,592	14.9%
<b>Trees</b>				
On Right of Way	7,287	0.9%	1,128,421	0.7%
Off Right of Way	192,956	23.9%	60,525,319	36.4%
Slide into line from Off ROW	82	0.0%	18,600	0.0%
<b>Unknown</b>	65,661	8.1%	8,911,421	5.4%
<b>Weather</b>	131,426	16.3%	33,434,806	20.1%
<b>Total</b>	<b>806,367</b>	<b>100%</b>	<b>166,279,204</b>	<b>100%</b>

§ 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 2005.

- 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 a hierarchical view of the company. Cost categories may change as individual groups are sometimes realigned but the total T&D O&M expenditures will remain consistent.

Category	2005 Q3 Budget (\$1,000)	2005 Q3 Actual (\$1,000)	2005 Q3 YTD Budget (\$1,000)	2005 Q3 YTD Actual (\$1,000)
D istribution DEPT	-138	-283	-138	-283
Distribution Support DEPT	1,059	915	2,907	2,700
Field Operations DEPT	5,118	6,417	14,105	16,958
Forestry DEPT	4,255	3,520	12,219	9,263
Transportation DEPT	2	13	5	32
Distribution Subtotal	10,296	10,581	29,098	28,669
System Planning DEPT	170	195	501	619
Substations DEPT	1,908	1,773	5,359	5,108
System Operations DEPT	1,381	1,435	4,064	3,755
Technical Services DEPT	777	878	2,158	2,402
Transmission Other DEPT	110	-26	258	-135
Transmission Engineering	785	601	2,159	1,830
Transmission Projects DEPT	128	146	314	445
Transmission Subtotal	5,259	5,003	14,813	14,023
Total T&D O&M	15,555	15,583	43,911	42,692

*§ 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.)*

Equipment Category	Q3 Budget	Q3 Actual	Q3 YTD Budget	Q3 YTD Actual
Distribution Lines	\$ 9,585	\$ 9,975	\$ 28,754	\$ 31,993
Distribution Substation	\$ 976	\$ 2,454	\$ 2,927	\$ 6,498
EHV Lines		\$ 12		\$ 42
EHV Substation		\$ 171		\$ 215
General Plant	\$ 1,700	\$ 499	\$ 5,099	\$ 3,035
Sub-transmission Line	\$ 157	\$ (60)	\$ 470	\$ (562)
Subtotal Distribution	\$ 12,417	\$ 13,051	\$ 37,250	\$ 41,221
Transmission Substation	\$ 976	\$ 402	\$ 2,927	\$ 1,453
Transmission Line	\$ 505	\$ 80	\$ 1,514	\$ 1,187
Subtotal Transmission	\$ 1,480	\$ 482	\$ 4,441	\$ 2,640
Total T&D	\$ 13,897	\$ 13,533	\$ 41,690	\$ 43,861

§ 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 Name	Count
Lead Lineman	109
Lineman A	67
Lineman B	1
Lineman C	2
SS Crew Leader Construction	1
SS Crew Leader Maintenance	14
SS Electrician A	33
SS Electrician Apprentice	6
SS Electrician B	3
SS Electrician C	7
Serviceman A	92
Serviceman Apprentice	17
Serviceman Apprentice 102	2
Serviceman B	2
Serviceman C	2
Utilityman A	7
Utilityman B	2
Total	367

§ 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 include capital as well as O&M work as available from AP financial reporting system. Note that much of AP's contracted work involves firm price contracts for which no man-hours are documented.

Quarter	Contract Dollars - Qtr	Contract Dollars - YTD
1 <sup>st</sup> qtr	\$3,994,406	\$3,994,406
2 <sup>nd</sup> qtr	\$4,558,183	\$8,552,589
3 <sup>rd</sup> qtr	\$3,724,337	\$12,276,926

*§ 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.*

- a. Attached as Appendix IV is a report indicating call out acceptance for the each service center in AP Pennsylvania service territory.
- b. The monthly call-out acceptance rate does not include statistics for crewmembers who are assigned ready-response duties, where applicable.
- c. Allegheny Power implemented its Automated Resource Call Out System (ARCOS) on June 10, 2005 to track the amount of time to obtain necessary personnel. Due to a winter storm that occurred in AP's service territory during the week of October 24<sup>th</sup>, Allegheny Power personnel were committed to restoring power to customers and could not calculate this value. AP will submit an addendum to this report in November with this calculation.

### Appendix I – 5% Distribution Circuit Statistics

SCName	SSName	CktName	CustServed	DCII	SAIFI	SAIDI	CAIDI	ASAI	CMI	CustIntrup	CircuitLockouts	Incidents	Miles
Arnold	MATEER	DIME RD	1174	71	1.85	219	118	0.99960	256,046	2,172	1	63	103
Arnold	MATEER	SOUTH BEND	1193	71	0.85	232	275	0.99960	277,170	1,008	-	49	94
Arnold	MURRYSVILLE	RUBRIGHT	750	67	2.17	250	115	0.99950	187,307	1,629	1	27	33
Arnold	MURRYSVILLE	WALLACE LANE	957	45	3.55	502	141	0.99900	479,468	3,397	1	57	41
Arnold	TUNNELTON	TUNNELTON_DIST	97	28	2.00	906	451	0.99830	87,553	194	2	2	6
Butler	BRANCHTON	FORESTVILLE	1121	88	0.31	48	157	0.99990	53,842	342	-	27	68
Butler	BUTLER	CENTER AVE	1676	77	1.08	169	157	0.99970	282,522	1,805	-	44	45
Butler	HERMAN	HERMAN	797	29	3.35	840	250	0.99840	668,652	2,671	1	45	39
Butler	HILLIARDS	HILLIARDS	890	54	1.61	489	303	0.99910	434,496	1,435	-	40	63
Butler	PARKER	PARKER	988	73	0.40	157	394	0.99970	154,486	392	-	15	37
Butler	SAXONBURG	BUTLER RD	758	56	1.29	458	354	0.99910	346,770	979	1	9	-
Butler	SHERWIN	WEST SUNBURY	787	66	1.94	296	153	0.99940	233,417	1,524	1	19	44
Charleroi	CHARLEROI	N. CHARLEROI	1136	67	2.13	262	123	0.99950	297,197	2,423	-	30	15
Charleroi	SMITHTON	HUTCHINSON	860	74	1.34	201	149	0.99960	172,036	1,155	-	17	36
Charleroi	WESTRAVER	WEST NEWTON	1735	76	0.59	164	276	0.99970	263,391	1,026	-	39	39
Clarion	NEW BETHLEHEM	CLIMAX	1116	74	1.80	175	97	0.99970	194,742	2,012	1	38	77
Clarion	SLIGO	REIDSBURG	670	44	2.62	609	229	0.99880	402,701	1,757	1	36	77
Clarion	SLIGO	SLIGO	486	67	1.75	280	161	0.99950	136,619	849	1	8	18
Clarion	VMDNOON	TIDAL	325	74	1.18	216	183	0.99960	70,099	364	-	11	31
Jeannette	HUNTINGDON	SCOTCH HILL	751	21	2.88	1,016	353	0.99810	762,532	2,159	1	60	23
Jeannette	LEVELGREEN	COWTOWN	1343	69	1.62	260	161	0.99950	348,238	2,168	1	25	42
Jeannette	MURRYCREST	SARDIS ROAD	1281	80	0.43	115	269	0.99980	146,767	546	-	27	31
Jeannette	ROBBINS	BRADDOCK'S TRAIL	1316	44	3.39	534	158	0.99900	704,290	4,457	1	36	27
Jeannette	WHITE VALLEY	BORLANDS RD	644	86	1.12	63	56	0.99990	40,491	723	1	16	26
Jefferson	BRAVE	SPRAGG	673	71	0.49	192	385	0.99960	127,331	331	-	11	49
Jefferson	FRANKLIN	ROGERSVILLE	844	13	2.53	1,170	462	0.99780	986,023	2,132	-	35	115
Jefferson	MARIANNA	TEN MILE	333	39	0.79	570	719	0.99890	189,913	264	-	57	43
Jefferson	RUTAN	BRISTORIA	1142	(72)	5.17	2,747	532	0.99480	3,132,264	5,893	-	133	189
Kittanning	TROY HILL	IRON BRIDGE	634	79	1.11	144	130	0.99970	91,446	705	-	26	39
Latrobe	STAHLSTOWN	KREAGER	276	74	1.09	211	192	0.99960	58,111	302	1	6	24
Latrobe	STAHLSTOWN	MANSVILLE	484	60	1.92	360	197	0.99930	183,198	929	1	14	41
Latrobe	STAHLSTOWN	ROUTE 711 NORTH	269	44	1.88	649	346	0.99880	174,564	505	1	15	31
Latrobe	STAHLSTOWN	ROUTE 711 SOUTH	421	59	1.76	405	227	0.99920	168,303	740	1	34	31
McConnellsburg	WARFORDSBURG	BUCK VALLEY	766	83	0.59	101	170	0.99980	77,183	454	-	34	89
McConnellsburg	WHITETAIL	RESORT	287	47	2.36	586	240	0.99890	162,466	676	-	21	29
McDonald	PARIS	PARIS	767	73	0.72	205	285	0.99960	157,244	551	-	18	34
McDonald	SMITH	FLORENCE	775	48	1.95	586	298	0.99890	449,665	1,509	-	46	83
State College	WATERVILLE	WATERVILLE	338	(44)	8.40	1,698	202	0.99660	573,395	2,836	-	27	20
Uniontown	LAKE LYNN	FANCY HILL	942	85	0.25	60	243	0.99990	56,108	231	-	29	54
Uniontown	MERRITTSTOWN	REPUBLIC	1685	89	0.20	36	179	0.99990	60,316	337	-	21	46
Washington	AMITY	AMITY	502	10	3.65	1,171	320	0.99780	587,254	1,833	2	46	57
Washington	LAGONDA	CLUB FORTY	884	63	0.64	287	447	0.99950	253,752	568	-	28	36
Waynesboro	CHAMBERS 5	EAST	0	100	0.00	-	-	-	-	-	-	-	2

Note: The Stahlstown circuit was split into the Kreager/Mansville/Route 11 North and Route 11 South circuits.

## Appendix II – 5% Distribution Circuit Remedial Actions

SCName	SSName	CktName	2004 RIPInt	2005 RIPInt	Actions Taken or Planned	Status
Arnold	MATEER	DIME RD	63	-	Trees trimmed and sectionalizers added in 2004.	Installation complete. Monitor results.
Arnold	MATEER	SOUTH BEND	24	-	Trees trimmed and sectionalizers added in 2004.	Installation complete. Monitor results.
Arnold	MURRYSVILLE	RUBRIGHT	-	15	Sectionalizers planned for addition in 2005.	Installation complete. Monitor results.
Arnold	MURRYSVILLE	WALLACE LANE	-	12	Sectionalizers planned for addition in 2005.	Installation complete. Monitor results.
Arnold	TUNNELTON	TUNNELTON DIST	-	-	Fuse added to lap to isolate customer-caused outages.	Monitor results.
Butler	BRANCHTON	FORESTVILLE	-	55	Sectionalizers planned for addition in 2005. Tree trimming planned in 2006.	Installation in progress.
Butler	BUTLER	CENTER AVE	43	-	Trees trimmed and sectionalizers added in 2004.	Installation complete. Monitor results.
Butler	HERMAN	HERMAN	50	-	Trees trimmed and sectionalizers added in 2004.	Installation complete. Monitor results.
Butler	HILLIARDS	HILLIARDS	-	43	Sectionalizers planned for addition in 2005. Review for possible substation automation.	Design in progress.
Butler	PARKER	PARKER	-	43	Sectionalizers planned for addition in 2005.	Design in progress.
Butler	SAXONBURG	BUTLER RD	-	22	Sectionalizers planned for addition in 2005.	Installation complete. Monitor results.
Butler	SHERWIN	WEST SUNBURY	-	-	Inspect line. Complete any noted work by 12/1/05.	Plan work.
Charleroi	CHARLEROI	N. CHARLEROI	21	-	Sectionalizers added in 2004. Tree trimming planned for 2005.	Installation complete. Monitor results.
Charleroi	SMITHTON	HUTCHINSON	22	-	Sectionalizers added in 2004. Tree trimming planned for 2005.	Installation complete. Monitor results.
Charleroi	WESTRAVER	WEST NEWTON	21	-	Sectionalizers added in 2004. Tree trimming planned for 2005.	Installation complete. Monitor results.
Clanton	NEW BETHLEHEM	CLIMAX	32	-	Trees trimmed and sectionalizers added in 2004.	Installation complete. Monitor results.
Clanton	SLIGO	REIDSBURG	-	45	Sectionalizers and tree trimming planned for addition in 2005. Install automated 25kV transfer switch at substation.	Design in progress.
Clanton	SLIGO	SLIGO	-	-	Install automated 25kV transfer switch at substation by 12/1/05. Tree trimming planned in 2006.	Plan work.
Clanton	WIDNOON	TIDAL	-	7	Sectionalizers and tree trimming planned for addition in 2005.	Installation complete. Monitor results.
Jeannette	HUNTINGDON	SCOTCH HILL	-	7	Sectionalizers planned for addition in 2005. Tree trimming planned in 2006.	Installation complete. Monitor results.
Jeannette	LEVELGREEN	COWTOWN	-	17	Trees trimmed in 2004. Sectionalizers planned for 2005.	Installation complete. Monitor results.
Jeannette	MURRYCREST	SARDIS ROAD	-	4	Trees trimmed in 2004. Sectionalizers planned for 2005.	Installation complete. Monitor results.
Jeannette	ROBBINS	BRADDOCK'S TRAIL	5	-	Sectionalizers added in 2004. Plan for a portion of underground replacement. Trim trees in 2006.	Installation complete. Monitor results.
Jeannette	WHITE VALLEY	BORLANDS RD	4	-	Sectionalizers added in 2004. Tie point added to another circuit to pick up customers during outages.	Installation complete. Monitor results.
Jefferson	BRAVE	SPRAGG	-	-	High winds caused circuit outage (70% of CMI) in Nov. 2003. Tree trimming planned in 2006.	Work complete. Circuit now off 5% list.
Jefferson	FRANKLIN	ROGERSVILLE	-	14	Sectionalizers planned for addition in 2005. Tree trimming planned in 2005.	Installation complete. Monitor results.
Jefferson	MARIANNA	TEN MILE	-	12	Sectionalizers planned for addition in 2005.	Engineering complete for work.
Jefferson	RUTAN	BRISTORIA	19	-	Sectionalizers added in 2004. Trees trimmed in 2004.	Installation complete. Monitor results.
Kittanning	TROY HILL	IRON BRIDGE	11	-	Sectionalizers added in 2004.	Installation complete. Monitor results.
Latrobe	STAHLSTOWN	STAHLSTOWN	2	-	Sectionalizers added in 2004.	Installation complete. Monitor results.
McConnellsburg	WARFORDSBURG	BUCK VALLEY	-	3	Sectionalizers planned for addition in 2005.	Installation complete. Monitor results.
McConnellsburg	WHITETAIL	RESORT	-	-	Repairs made for conductor slap problem. Tree trimming planned in 2006.	Work complete. Circuit now off 5% list.
McDonald	PARIS	PARIS	10	-	Sectionalizers added in 2004.	Installation complete. Monitor results.
McDonald	SMITH	FLORENCE	-	22	Sectionalizers planned for addition in 2005.	Installation complete. Monitor results.
State College	WATERVILLE	WATERVILLE	-	3	Sectionalizers planned for addition in 2005.	Installation complete. Monitor results.
Uniontown	LAKE LYNN	FANCY HILL	-	-	2004 outages were due to a severe thunderstorm. Recloser replaced due to miscoordination. Tree trimming in 2006.	2005 work complete.
Uniontown	MERRITTSTOWN	REPUBLIC	19	-	Sectionalizers added in 2004. Tree trimming planned for 2005.	Installation complete. Monitor results.
Washington	AMITY	AMITY	-	10	Sectionalizers planned for addition in 2005. Tree trimming planned in 2005.	Installation complete. Monitor results.
Washington	LAGONDA	CLUB FORTY	12	-	Trees trimmed and sectionalizers added in 2004.	Monitor results.
Waynesboro	CHAMBERS 5	EAST	-	-	Circuit inspected in 2004 (mostly underground). Faulty MOV lightning arrester found as cause of outages.	Monitor results.

### Appendix III – Goals Progress

2005 Goals - Pennsylvania - Complete Planned Ensure Reliable Service (ERS) Work				
Third Quarter Results				
ERS Program/Project	Unit of Measurement	Target for 2005	Actual Completed	% Completed
Transmission Herbicide Application	# Transmission Lines	21	15	71%
Transmission Lines Trimming and Clearing	# Transmission Lines	36	17	47%
Subtransmission Herbicide Application	# of Subtransmission Lines	48	39	81%
Subtransmission Line Trimming and Clearing	# of Subtransmission Lines	53	43	81%
Distribution Line Trimming, Clearing & Herbicide Applic.	# of Distribution Line Miles	6,604	4,672	71%
Major ERS SS Projects	# Projects	16	7	46%
Major ERS Lines Projects	# Projects	4	4.0	100%
Transmission Comprehensive Patrol	# Transmission Lines	29	29	100%
Transmission General Patrol	# Transmission Lines	120	120	100%
Ground & Footer Inspections	# Transmission Lines	33	11	33%
Pole Inspection	# Poles	38	33	87%
Pole Replacements	# Poles	2	1	50%
Non-Critical Transmission Repairs	# Non-Critical Items	18	6	33%
Subtransmission General Patrol	# Subtransmission Lines	325	325	100%
SS Work (Includes Capital, Planned, & Preventative)	Man-Hours	71,740	39,106	55%
SS Spraying	Man-Hours	2,400	8,284	345%
Controls Work (Includes Cap., Planned, & Preventative)	Man-Hours	5,209	2,928	56%
Individual ERS Budget Projects	Man-Hours	10,920	5,565	51%
Small Planning Projects	Man-Hours	25,274	17,205	68%
Pole Inspection	# of Circuits	70	56	80%
Pole Reinforcement	# Poles	64	0	0%
Danger Poles	# Danger Poles	84	54	64%
Reject Poles	# Reject Poles	187	148	79%
AIM Work	Points Completed	1,232	927	75%
RIP Program	Manhours	44,767	33,292	74%
UG Equipment Inspections	# Locations	7,771	5,687	73%
Recloser Inspections	# Reclosers	3,555	3,230	91%
Regulator Inspections	# Regulators	332	275	83%
Capacitors Inspections	# Capacitors	1,283	1,215	95%
Recloser Replacements	# Reclosers	216	159	74%
UGD Cable Replacement	# Feet	89,000	71,441	80%
Cable Injection	# Feet	19,000	10,187	54%

## Appendix IV – Callout Acceptance

Allegheny Power		2005														
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	705	174	25%	1272	211	17%	1656	179	11%	0	0		3633	564	16%	
Boyce	286	126	45%	654	191	29%	851	138	16%	0	0		1791	457	26%	
Butler	527	223	42%	920	282	31%	957	253	26%	0	0		2404	758	32%	
Charleroi	244	103	42%	649	177	27%	1137	195	17%	0	0		2030	475	23%	
Clarian	73	32	44%	114	42	37%	130	45	35%	0	0		317	119	38%	
Jeannette	1067	161	15%	1570	196	12%	2030	198	10%	0	0		4667	555	12%	
Jefferson	325	83	26%	461	118	26%	448	82	18%	0	0		1234	283	23%	
Kittanning	109	60	55%	169	71	42%	268	89	33%	0	0		546	220	40%	
Latrobe	298	125	42%	511	172	34%	1011	185	18%	0	0		1820	482	26%	
McConnellsburg	129	72	56%	124	72	58%	157	83	53%	0	0		410	227	55%	
McDonald	111	20	18%	370	82	22%	348	43	12%	0	0		829	145	17%	
Pleasant Valley	289	119	41%	352	129	37%	637	128	20%	0	0		1278	376	29%	
St. Mary's	138	85	62%	267	144	54%	281	132	47%	0	0		666	361	53%	
State College	472	153	32%	782	224	29%	689	182	26%	0	0		1943	559	29%	
Uniontown	506	151	30%	431	148	34%	770	162	21%	0	0		1707	461	27%	
Washington	460	115	25%	854	168	20%	1021	126	12%	0	0		2335	409	18%	
Waynesboro	415	114	27%	872	178	20%	1242	182	15%	0	0		2529	474	19%	
<b>Total AP Average</b>	<b>6154</b>	<b>1918</b>	<b>31%</b>	<b>10372</b>	<b>2605</b>	<b>25%</b>	<b>13633</b>	<b>2402</b>	<b>18%</b>	<b>0</b>	<b>0</b>		<b>30159</b>	<b>6926</b>	<b>23%</b>	
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	40	25	63%	89	43	48%	68	48	71%	0	0		197	116	59%	
Boyce	8	7	88%	10	10	100%	19	14	74%	0	0		37	31	84%	
Butler	24	14	58%	55	33	60%	62	27	44%	0	0		141	74	52%	
Charleroi	20	12	60%	43	21	49%	61	24	39%	0	0		124	57	46%	
Jeannette	17	4	24%	53	12	23%	79	17	22%	0	0		149	33	22%	
Jefferson	45	19	42%	34	12	35%	60	17	28%	0	0		139	48	35%	
Kittanning	7	7	100%	14	9	64%	27	20	74%	0	0		48	36	75%	
Latrobe	20	7	35%	50	16	32%	82	16	20%	0	0		152	39	26%	
Pleasant Valley	39	8	21%	54	16	30%	64	12	19%	0	0		157	36	23%	
St. Mary's	13	6	46%	22	17	77%	19	11	58%	0	0		54	34	63%	
State College	0	0		13	5	38%	22	7	32%	0	0		35	12	34%	
Washington	16	3	19%	27	8	30%	29	10	34%	0	0		72	21	29%	
Waynesboro	28	13	46%	71	24	34%	72	15	21%	0	0		171	52	30%	
<b>Total AP Average</b>	<b>277</b>	<b>125</b>	<b>45%</b>	<b>535</b>	<b>226</b>	<b>42%</b>	<b>664</b>	<b>238</b>	<b>36%</b>	<b>0</b>	<b>0</b>		<b>1476</b>	<b>569</b>	<b>40%</b>	
<b>Total Combined AP Average</b>	<b>6431</b>	<b>2043</b>	<b>32%</b>	<b>10907</b>	<b>2631</b>	<b>26%</b>	<b>14297</b>	<b>2640</b>	<b>18%</b>	<b>0</b>	<b>0</b>		<b>31635</b>	<b>7514</b>	<b>24%</b>	

### Appendix V – Sample DCII Calculation

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:

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

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

$$(\text{SF} + \text{SD} + \text{CD}) / 3 = (-0.0560 + 0.5740 + 0.8080) / 3 = 0.4420$$

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

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

**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 in the third quarter.

Re: Allegheny Power Third Quarter 2005  
Reliability Report

**CERTIFICATE OF SERVICE**

I certify that this 1st day of November 2005, 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**

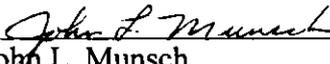
Office of Consumer Advocate  
555 Walnut Street  
Forum Place, 5<sup>th</sup> Floor  
Harrisburg, PA 17101-1921

Office of Small Business Advocate  
Suite 1102, 300 North 2<sup>nd</sup> Street  
Harrisburg, PA 17101

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

  
\_\_\_\_\_  
John L. Munsch  
Attorney for ALLEGHENY POWER

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FOLDER

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**

November 2, 2005

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

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Re: **PPL Electric Utilities Corporation  
Quarterly Reliability Report for the  
Period Ended June 30, 2005  
Docket No. L-00030161**

ORIGINAL

Dear Mr. McNulty:

Enclosed for filing on behalf of PPL Electric Utilities Corporation ("PPL Electric") are an original and five (5) copies of revised page 31 to PPL Electric's Quarterly Reliability Report for the Period Ended June 30, 2005. This revised page 31 is being filed to correct a calculational error which produced understated results for Item 11 of PPL Electric's second quarter reliability report.

Pursuant to 52 Pa. Code § 1.11, the enclosed document is to be deemed filed on November 3, 2005, 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

**DOCKETED**  
NOV 08 2005

cc: Elizabeth H. Barnes, Esquire

7/10

**(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 where appropriate.**

The following table shows the average response rate for transmission and distribution personnel currently included in PPL Electric's measured callout response program.

<b>April</b>	<b>44%</b>
<b>May</b>	<b>45%</b>
<b>June</b>	<b>47%</b>
<b>Quarter Average</b>	<b>46%</b>
<b>YTD Average</b>	<b>44%</b>

PPL Electric currently does not have a process to track and measure the amount of time it takes to obtain necessary personnel.

PPL Electric's call-out procedure is defined by bargaining unit agreements. Under the agreements, PPL Electric uses a computer-based callout roster to determine the order in which personnel are called to respond to after-hour emergencies in a given geographic area. Personnel are called sequentially. When sufficient personnel cannot be secured from the rosters for that geographic area, rosters from adjacent areas are utilized. There is no electronic link from one roster to another that enables calculation of when the original needed crew size is achieved. PPL Electric can track when personnel were called to provide assistance; and which personnel accepted or refused, but PPL Electric currently does not have an automated method to calculate elapsed time per callout.

PPL Electric has completed the installation of a new callout system during the second quarter of 2005. PPL Electric plans to develop the necessary reporting capability using the new system and the recently approved industry definitions by the end of 2005.

ORIGINAL  
LEGAL SERVICES



800 Cabin Hill Drive  
Greensburg, PA 15601-1689  
Phone: (724) 837-3000  
FAX: (724) 838-6464  
Writer's Direct Dial No. (724) 838-6210  
E-mail: [jmunsch@alleghenyenergy.com](mailto:jmunsch@alleghenyenergy.com)

November 8, 2005

**VIA FEDERAL EXPRESS**

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

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**Re: Addendum No. 1 to Third Quarter 2005 Reliability Report**

Dear Secretary McNulty:

L-00030161

The Third Quarter 2005 Reliability Report filed by Allegheny Power on November 1, 2005, noted that Addendum No. 1 was to be filed at a later date. Attached are an original and three copies of Addendum No. 1 for filing with the Third Quarter 2005 Report.

Very truly yours,

*John L. Munsch*  
John L. Munsch  
Senior Attorney

cc: Thomas Sheets-PA PUC- Bureau of Audits

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**Allegheny Power  
Quarterly Report for Third Quarter 2005  
Addendum No. 1**

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

This addendum to Allegheny Power's third quarter report is being submitted to include the response for time to obtain necessary personnel. This response was omitted in the original report because of commitments to restore service in Pennsylvania from heavy, wet snow that fell on trees with significant foliage remaining.

*§ 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.*

- a. 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.

(Note: submitted previously)

- b. The average response time per worker per list called was 10.4 minutes in the third quarter. This number represents the elapsed time per callout list divided by the number of people that accepted. If the callout list was run and no one accepted, the elapsed time per worker equals the actual callout list elapsed time. This time includes ready response, which has an elapsed time of 0 minutes. The data is only for linemen and electrician callouts.

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NOV 09 2005

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Re: Allegheny Power Addendum No.1 to Third  
Quarter 2005 Reliability Report

NOV 8 2005

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

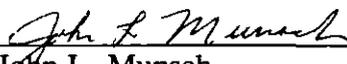
**CERTIFICATE OF SERVICE**

I certify that this 8th day of November 2005, I have served a true and correct copy of the Addendum 1 to the Third Quarter Reliability Report of Allegheny Power, by first-class mail, postage prepaid, upon the following:

**VIA FIRST-CLASS MAIL**

Office of Consumer Advocate  
555 Walnut Street  
Forum Place, 5<sup>th</sup> Floor  
Harrisburg, PA 17101-1921

Office of Small Business Advocate  
Suite 1102, 300 North 2<sup>nd</sup> Street  
Harrisburg, PA 17101

  
\_\_\_\_\_  
John L. Munsch  
Attorney for ALLEGHENY POWER