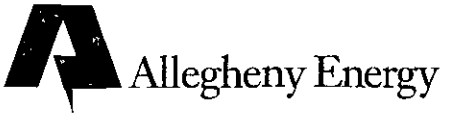

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VIA FEDEX NEXT DAY

January 29, 2010

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

Re: 2009 Fourth Quarter Reliability Report of Allegheny Power

Dear Secretary McNulty:

Enclosed please find an original and six copies of the **2009 Fourth Quarter Reliability Report of Allegheny Power** filed pursuant to 52 Pa. Code §57.195. Copies of the Report have been served on the parties to Allegheny Power's reliability standards and benchmarks proceeding at Docket No. M-00991220F0003.

This filing is made by FedEx Next Day delivery, and the filing date is deemed to be today.

Very truly yours,

John L. Munsch
Attorney

Enclosures

cc: Certificate of Service
Darren G. Gill, Bureau of CEEP

Allegheny Power
Quarterly Report for Fourth Quarter 2009

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.

Timothy M Croushore
General Manager, Reliability Performance
(724) 838-6198
tcroush@alleghenypower.com

§ 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 quarter. 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 event follows and the PUC approval is attached as Appendix VI if applicable.

   - There were no Major Events in the fourth quarter.

c. Allegheny Power's Restore Service Process Management Team constantly monitors the process and conducts post-event meetings in an attempt to enhance the restoration process for future events.
d. In addition to major events, Allegheny Power tracks the effects of major weather events (Restore Service or "RS" Events) that do not meet the 10% exclusion threshold but have a major effect on reliability statistics. Because Allegheny Power's Pennsylvania territory is spread across four weather zones and three non-contiguous areas, large regional storms are typically not excluded, even though they often require massive restoration efforts.

§ 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 the quarter. 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.

Reliability Indices	Approved Settlement Benchmarks	Rolling 12-Month Standard	Rolling 3-Yr Avg. Standard	4th quarter 2009 Performance (Rolling 12-month)
SAIFI	1.05	1.26	1.16	0.97
CAIDI	170	204	187	166
SAIDI	179	257	217	161

Data supporting indices:

Zone	Locations	Incident Devices	Interrupted Customers	Avg Cust Served	kVA	Calls	CMI	SAIDI	ASAI	CAIDI	SAIFI
Pennsylvania	9,279	13,957	686,453	708,940	7,013,883	96,545	113,827,264	161	0.999695	166	0.97

Discussion supporting statistics:

Analysis of Fourth Quarter 2009 Statistics:

AP is currently meeting all of its 9 benchmarks and standards. Even so, a heavy, wet snow storm in the State College/St. Marys Service Centers on October 15-18 which interrupted 26,000 customers contributed almost 28 minutes to AP's SAIDI for the year.

§ 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 5% as ranked by DCII. The report is attached as Appendix I.
b. A description of the DCII is presented in Appendix V.

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

a. Allegheny's current process for addressing poor performing circuits and line segments is outlined in its Reliability Improvement Program (RIP). The details of which have been previously submitted to the Commission staff. In summary, the RIP program addresses all circuits experiencing two or more lockouts as well as any other protective device experiencing multiple operations. Field personnel review outages on these circuits or

line segments and corrective action is taken as necessary to address any immediate reliability concerns.

b. Remedial work for the 5% circuits is shown in Appendix II. Field personnel review these circuits routinely. 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 continued a circuit improvement process 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. This program is being integrated into the RIP process.

§ 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 68% of all customer interruptions are caused by non-equipment-related causes. Also note that 90% of customers interrupted by trees are a result of trees falling from outside of the right-of-way.
c. AP's definition of tree-related outages includes those cases where trees have fallen as a result of severe weather conditions.
d. 'Weather' definition includes weather-related outages involving lightning damage, severe snow/ice loading, extreme wind, flooding, etc. and does not include tree-related outages.

Outage Cause	Incidents 12 Month ending Dec 09		Customers Interrupted 12 Month ending Dec 09		Customers Minutes Interrupted 12 Month ending Dec 09	
	Number	Percent	Number	Percent	Number	Percent
Animals	1,200	8.7%	29,431	4.3%	2,833,879	2.5%
Overhead Equipment Failure						
Overhead Line Equipment	1,019	7.3%	30,401	4.4%	3,594,328	3.2%
Overhead Line Material	1,605	11.6%	79,574	11.6%	9,091,827	8.0%
Overhead Wire	1,072	7.7%	58,785	8.6%	6,317,771	5.6%
Underground Equipment						
Underground Line Material	37	0.3%	332	0.0%	73,704	0.1%
Underground Line Equipment	82	0.6%	670	0.1%	181,418	0.2%
Underground Cable	313	2.3%	6,625	1.0%	1,893,863	1.7%
Service Equipment	19	0.1%	39	0.0%	12,604	0.0%
Substation Equipment	253	1.8%	39,844	5.8%	3,060,379	2.7%
Other	145	1.0%	7,007	1.0%	761,543	0.7%
Public/Customer	1,502	10.8%	116,825	17.0%	14,554,959	12.8%
Trees						
On Right of Way	512	3.7%	23,383	3.4%	4,879,728	4.3%
Off Right of Way	3,090	22.3%	160,682	23.4%	43,344,843	38.1%
Unknown	1,452	10.5%	58,712	8.6%	5,993,411	5.3%
Weather	1,565	11.3%	74,143	10.8%	17,233,008	15.1%
Total	13,866	100%	686,453	100%	113,827,265	100%

Note: Numbers may be slightly off from aggregated totals in summary section above due to rounding. Allegheny Power's Outage Management System (OMS) tracks the number of incidents recorded for a circuit. This number does not necessarily reflect the number of exact outages on a circuit. One outage may be recorded as multiple incidents on different phases or grouped to different sectionalizing devices, especially with sectionalizing large outages. It should be noted that the number of incidents on a circuit may be overstated due to the way similar incidents may not have grouped together in OMS. These do not represent 'unique' incidents.

§ 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 T&D goals for 2009.
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.)

§ 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.)

§ 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	Position
Lead Lineman	89
Lineman A	45
Lineman C	1
Serviceman A	74
Serviceman Apprentice	2
Serviceman B	18
Serviceman C	20
SS Crew Leader Maintenance	14
SS Electrician A	39
SS Electrician Apprentice	1
SS Electrician B	3
SS Electrician C	3
System Transmission Crew Lead LineWorker	1
System Transmission Crew Lineworker A	4
Utilityman A	3
Utilityman B	1
Total	318

§ 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
1st qtr	$ 3,016,115	$3,016,115
2nd qtr	$ 1,501,060	$4,517,175
3rd qtr	$ 1,700,135	$6,217,309
4th qtr	$ 3,285,717	$9,503,026

§ 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.

d. The average callout acceptance time per worker per list called was 4.2 minutes in the quarter. This number represents the elapsed time per callout list divided by the number of people that accepted. This time includes ready response, which has an elapsed time of 0 minutes. The data is only for linemen and electrician callouts. Allegheny Power has developed a method to calculate average callout acceptance time per crew from our automated system; for the quarter, the average response time per crew was 4.6 minutes.

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

Item	Description	Compliance Status
1	Make adjustments to vegetation maintenance practices to reduce its rights-of-way clearing cycle to no longer than four (4) years.	Allegheny Power currently manages Vegetation Maintenance (VM) work to provide optimization of reliability statistics within the constraints of our existing budget. We have developed a program that considers several circuit factors when scheduling and assigning specifications for VM work. These factors include tree related CMI over the past 3 years, time since last trimmed as well as # of customers being served by any particular section of line as well as the whole circuit. This methodology, although it does not result in total vegetation management on a 4 year cycle has resulted in acceptable reliability statistics to date.
2	Make adjustments to vegetation program to include an assessment of off-right-of-way danger trees.	Off R-O-W danger trees continue to be evaluated during vegetation management cycle and removed if necessary and agreeable to tree owner.
3	Maintain 12-year pole inspection cycle for distribution and sub-transmission wood poles	A 12-year cycle inspection cycle is planned for poles. All 2009 pole inspection work has been completed.
4	Maintain 12-year facilities inspection cycle for distribution and sub-transmission wood poles	Distribution and subtransmission equipment is inspected on a 12-year cycle.
5	Inspections to include visual inspections of pole, materials and equipment contained thereon from ground line to top of pole, hammer soundings, borings, excavation and treatment of pole.	Inspections include visual inspections of poles, equipment attached to poles, hammer soundings, excavation, borings, and treatment if necessary.
6	Perform a mid-cycle visual inspection of poles and equipment such that all circuits are inspected, on average, every 6 years. Incorporate reliability performance and performance of materials and equipment into the prioritization of circuits.	Mid-cycle inspections are made on average every six years.
7	Perform a line workforce study and substation workforce study	Complete
8	Deliver study to Parties within 60 days of final entry of non-appealable Order.	Delivered to Local 102 on 10/24/06; PREA on 3/7/2007
9	Discuss study with Parties within 10 days of delivery.	Met with Local 102 on 10/24/06
10	Within 60 days of entry of final non-appealable order, provide parties with copies of all reliability-related reports filed with the Commission under 52 Pa. Code 57.195 and any additional monitoring reports or compliance reports that may be required under 52 Pa. Code 57.194(h)(1).	Effective 3rd quarter 2006 report.
11	In quarterly and annual reports, include a section reporting on compliance of settlement	Effective 3rd quarter 2006 report.
12	PREA/AEC - meet semi-annually (first meeting to be held no later than 45 days of the date of the final, non-appealable order	First meeting held 9/14/06
13	PREA/AEC meeting - Discuss most recent outages with particular emphasis on those with duration > 120 minutes	Discussed at 9/22/2009 meeting
14	PREA/AEC meeting - Identify and agree on mutual delivery points that serve critical services/customers	Discussed at 9/22/2009 meeting
15	PREA/AEC meeting - discuss five "worst performing" Delivery Points	Discussed at 9/22/2009 meeting

Appendix I – Worst Performing 5% Distribution Circuit Statistics

SCName	SSName	CktName	CustServed	DCII	SAIFI	SAIDI	CAIDI	ASAI	CMI	CustIntrup	CircuitLockouts	Incidents	Miles
Arnold	MATEER	SOUTH BEND	1209	74	1.66	191	115	0.999637	231,298	2,009	2	27	95
Arnold	MURRYSVILLE	WALLACE LANE	704	56	2.60	399	154	0.999241	281,097	1,828	1	54	37
Arnold	VANDERGRIFT	AIRPORT	589	92	0.11	15	134	0.999971	6,726	65	-	15	23
Arnold	WATSON	WATSON	338	33	2.47	785	317	0.998506	265,092	836	1	24	23
Boyce	BETHEL PARK	CLIFTON	1129	68	1.38	277	200	0.999473	312,187	1,561	-	29	17
Butler	PORTERSVILLE	LAKE ARTHUR	456	73	1.60	200	125	0.999619	91,002	728	1	14	15
Hyndman	HYNDMAN	RT 96 N	684	77	1.51	151	100	0.999713	103,490	1,032	1	22	41
Hyndman	HYNDMAN	RT 96S	552	76	1.15	184	160	0.999650	101,639	635	-	22	41
Hyndman	PURCELL	ARTEMAS	538	-	3.28	1,346	411	0.997439	724,508	1,763	2	38	99
Jeannette	MURRYCREST	SARDIS ROAD	1456	40	3.12	641	205	0.998780	932,393	4,538	2	49	35
Jefferson	FRANKLIN	ROGERSVILLE	863	53	2.39	465	195	0.999115	400,965	2,060	3	34	117
Jefferson	MARIANNA	TEN MILE	347	80	0.30	82	276	0.999844	28,460	103	-	10	44
Jefferson	RUTAN	BRISTORIA	1184	49	2.39	534	223	0.998984	631,648	2,831	-	64	192
Jefferson	VESTABURG DISTRIBUTION	LOW HILL	715	78	0.83	156	188	0.999703	111,832	595	-	9	24
Jefferson	WHITELEY	KIRBY	62	72	1.24	224	182	0.999574	13,993	77	-	3	14
Latrobe	BETHLEN	DARLINGTON	1203	51	4.42	294	67	0.999441	353,414	5,314	3	81	81
Latrobe	BETHLEN	LAUGHLINTOWN	1065	63	3.16	229	73	0.999564	244,201	3,363	1	54	55
Latrobe	ETHEL SPRINGS	RAILROAD	1064	83	0.33	74	225	0.999859	78,786	350	-	18	22
Latrobe	FORT PALMER	OAKGROVE	745	58	2.86	352	123	0.999330	262,657	2,133	1	75	44
Latrobe	FORT PALMER	WEST FAIRFIELD	958	77	0.90	167	185	0.999682	160,112	864	-	58	100
Latrobe	LUXOR	ROLLING ACRES	913	90	0.29	34	119	0.999935	31,013	261	-	15	48
Latrobe	STAHLSTOWN	KREAGER	274	6	4.86	1,112	229	0.997884	305,163	1,334	1	43	25
Latrobe	STAHLSTOWN	MANSVILLE	499	31	4.29	697	163	0.998674	347,704	2,139	1	39	41
Latrobe	STAHLSTOWN	ROUTE 711 NORTH	277	72	2.41	154	64	0.999707	42,602	670	2	15	31
Latrobe	STAHLSTOWN	ROUTE 711 SOUTH	446	76	1.75	145	83	0.999724	64,449	779	1	14	31
McDonald	SMITH	FLORENCE	780	26	5.14	684	133	0.998699	533,538	4,011	3	60	80
Pleasant Valley	LAURELVILLE	LAURELVILLE	578	81	1.07	126	118	0.999780	72,968	620	1	15	26
Pleasant Valley	TRI TOWN	DAWSON	930	86	1.21	52	43	0.999901	47,983	1,124	1	16	47
St Marys	DRIFTWOOD	DRIFTWOOD	966	24	2.78	944	339	0.998204	911,064	2,688	2	15	64
St Marys	ROULETTE	BURTVILLE	283	64	1.91	320	168	0.999391	90,452	540	4	11	25
St Marys	ROULETTE	TOWN ROULETTE	446	77	0.78	160	205	0.999696	71,274	348	-	8	20
State College	MILESBURG NO.6	MILESBURG	1274	67	1.46	288	197	0.999452	367,316	1,862	1	20	48
State College	MILESBURG NO.6	UNIONVILLE	1090	34	1.85	772	417	0.998531	840,841	2,018	-	45	72
State College	WATERVILLE	WATERVILLE	350	(123)	10.73	3,150	294	0.994007	1,101,897	3,752	8	35	20
Uniontown	BETHELBORO	BUTE	514	96	0.05	3	74	0.999994	1,764	24	-	4	24
Uniontown	LARDIN	MCCLELLANDTOWN	553	85	0.70	83	118	0.999842	46,091	389	-	15	25
Washington	DUTCH FORK	W ALEXANDER	1121	78	0.51	127	248	0.999758	142,114	574	-	39	117
Waynesboro	BLUE RIDGE SUMMIT	SABILLASVILLE	960	79	1.30	133	102	0.999747	127,246	1,250	1	28	47
Waynesboro	BLUE RIDGE SUMMIT	SANITARIUM	455	63	2.55	290	113	0.999448	131,869	1,162	2	21	10
Waynesboro	FAYETTEVILLE	CALEDONIA	899	95	0.05	4	79	0.999992	3,850	49	-	5	18
Waynesboro	FOUNTAINDALE	CARROLL VALLEY	1227	71	1.56	233	150	0.999557	286,218	1,909	1	41	59
Waynesboro	QUINCY	SOUTH MOUNTAIN	869	88	0.12	24	197	0.999954	20,857	106	-	7	41

Appendix II – Worst Performing 5% Distribution Circuit Remedial Actions

SCName	SSName	CktName	Actions Taken or Planned	Status
Arnold	MATEER	SOUTH BEND	2008 SU project to reconductor #4 CU with numerous splices.	In-progress. Work to be completed in first quarter of 2009. Complete in 2/2009
Arnold	MURRYSVILLE	WALLACE LANE	Circuit re-configuration and protection that was completed in 2008.	Completed. Monitor reliabbility.
Arnold	VANDERGRIFT	AIRPORT	Plan is in place to re-conductor old #4 ACSR conductor.	Waiting for funding- design in progress
Arnold	WATSON	WATSON	AP undertook an area maintenance project on the 25 kV supply line to Watson SS. Project included replacing deteriorated equipment such as poles, crossarms and insulators in an effort to improve customer service and reliability. This work was completed in January of 2008.	We will continue to monitor the reliability performance of this circuit.
Boyce	BETHEL PARK	CLIFTON	RIP Initiative planned for 2009.	WR 1286753 completed 11/2008 for CAIDI improvement.
Butler	PORTERSVILLE	LAKE ARTHUR	In 2008, the entire main-line of the Lake Arthur 12kV line was reconductored. To facilitate the reconductoring, an abandoned 25kV line was used to feed the circuit while replacement of the 12kV conductor proceeded. The 25kV conductor and insulators were visually inspected for damage, and appeared in good condition. Once reconductoring started, problems started to occur because a down-line right-of-way had tree growth into the line. When a tree would hit the line and draw fault current, the old 25kV conductor up-line would snap, hit the ground, and lock out the circuit. To correct the problem, about 1000' of right-of-way was cleared in 2008. We also had several cases of 25kV trouble which locked out the radially fed substation. There is a loop feed into Portersville SS which can not be used as an alternative feed because of voltage drop issues.	The 12kV reconductor was completed in 2008, and the old 25kV line was removed from service. The main-line is now all new conductor. In 2009 we are going to replace 3 additional spans of wire where the trees were contacting the line. This will help avoid future failures because the line has been spliced several times. In 2010 a 25kV capacitor is scheduled to be installed at Portersville SS. This installation will support voltage in the area during a transfer to the alternative line, so 25kV interruptions will no longer result in a long duration outage of the station.
Hyndman	HYNDMAN	RT 96 N	90% of the annual CMI was caused by one lockout due to high wind. Circuit review planned.	Outage maps done. Review found no further controllable outage causes.
Hyndman	HYNDMAN	RT 96S	Install voltage regulators. Reconductor along Palo Alto Road. Add overhead fault indicators and fault indicators to aid customer restoration times.	In planning.
Hyndman	PURCELL	ARTEMAS	90% of the annual CMI was caused by one lockout due to public vehicle hitting a pole. Circuit review planned.	Outage maps done. Review found no further controllable outage causes.
Jeannette	MURRYCREST	SARDIS ROAD	Mainline tree trimming was completed in 2008. Additional sectionalizing added with 2008 CAIDI work.	Completed, Monitor reliability.
Jefferson	FRANKLIN	ROGERSVILLE	Off right-of way trees contributed 66% and public vehicle hitting pole contributed 30% to the annual CMI. Circuit review planned.	Outage maps done. Review found no further significant outage causes.
Jefferson	MARIANNA	TEN MILE	One lockout for 81% of the CMI and 97% of the total CMI was caused by off right-of-way trees. Circuit review planned.	Outage maps done. Review found no further significant outage causes.
Jefferson	RUTAN	BRISTORIA	Future recommendations include reconductoring additional mainline. Add material storage in proximity to circuit. Additional rephasing, recloser addition, and second phase addition work planned.	Planning stages.
Jefferson	VESTABURG DISTRIBUTION	LOW HILL	Public-caused outages (public cut tree into line and public vehicle into pole) contributed 72% to the annual customer minutes interrupted.	Monitor reliability outside of public-caused outages.
Jefferson	WHITELEY	KIRBY	Circuit tie and recoordination work planned.	In planning stages.
Latrobe	BETHLEN	DARLINGTON	Mainline feeder relocation completed and re-coordination for the 2008 PA SU plan	Completed
Latrobe	BETHLEN	LAUGHLINTOWN	Underground cable replacement work planned.	Completed in 11/2008. Monitor reliability.
Latrobe	ETHEL SPRINGS	RAILROAD	Circuit re-configured and re-coordinated as part of the PA SU plan. Completed in the Summer of 2008	Completed. Monitor reliabbility.
Latrobe	FORT PALMER	OAKGROVE	Circuit will be re-configured by February of 2009 as part of the 2009 CAIDI part one initiative	Ready for construction.

Appendix II – Worst Performing 5% Distribution Circuit Remedial Actions (cont'd)

SCName	SSName	CktName	Actions Taken or Planned	Status
Latrobe	FORT PALMER	WEST FAIRFIELD	Circuit was re-configured to reduce exposure and re-coordinated to improve the reliability on this circuit. This work was completed in Fall of 2008 as part of the 2008 PA SU plan.	*Completed. Monitor reliabbility.*
Latrobe	LUXOR	ROLLING ACRES	Circuit was re-coordinated and re-routed to reduce customer exposure on the main-line cross country feeder. Tree trimming was completed in 2008 as well.	Completed. Monitor reliabbility.
Latrobe	STAHLSTOWN	KREAGER	There was 25 kV trouble during multiple RS events that resulted in the loss of both 25 kV feeds into this SS. CAIDI work will be completed in 2009 as part of the 2009 CAIDI Phase 2 initiative.	CAIDI Scheduled for 2011
Latrobe	STAHLSTOWN	ROUTE 711 NORTH	There was 25 kV trouble during multiple RS events that resulted in the loss of both 25 kV feeds into this SS. CAIDI work will be completed in 2009 as part of the 2009 CAIDI Phase 2 initiative.	CAIDI 2 work delayed.
Latrobe	STAHLSTOWN	ROUTE 711 SOUTH	There was 25 kV trouble during multiple RS events that resulted in the loss of both 25 kV feeds into this SS. CAIDI work will be completed in 2009 as part of the 2009 CAIDI Phase 2 initiative.	CAIDI 2 work delayed.
McDonald	SMITH	FLORENCE	Monitor reliability after 2007 and 2008 projects completed. Also, WR 1283586 was initiated and completed as part of the CAIDI improvement program.	WR 1283576 completed 11/2008 for CAIDI improvement.
Pleasant Valley	LAURELVILLE	LAURELVILLE	CAIDI iniative (mainline switches and overhead fault indicators) planned for 2009.	Complete. Monitor Circuit.
Pleasant Valley	TRI TOWN	DAWSON	High wind and animals contributed 90% of the annual CMI. CAIDI iniative (mainline switches and overhead fault indicators) planned for 2009.	Complete. Monitor Circuit.
St Marys	DRIFTWOOD	DRIFTWOOD	Two lockouts contributed 80% to the annual CMI.	CAIDI 2 work complete.
St Marys	ROULETTE	BURTVILLE	94% of the annual CMI was caused by 3 lockouts. Unknown and lightning accounted for 91% of the outage causes.	CAIDI 2 work will be complete in 2011.
St Marys	ROULETTE	TOWN ROULETTE	One lockout caused by lightning contributed 73% to the annual CMI.	CAIDI 2 work will be complete in 2011.
State College	MILESBURG NO.6	MILESBURG	Automation of 46 kV air switches feeding substation planned.	CAIDI 2 work complete. Electronic reclosers installed at substation.
State College	MILESBURG NO.6	UNIONVILLE	Automation of 46 kV air switches feeding substation planned.	CAIDI 2 work complete. Electronic reclosers installed at substation.
State College	WATERVILLE	WATERVILLE	Circuit fed from foreign utility. Alternate supply options limited. Considered distributed generation as alternate feed option (costly). Isolating points and fault indicators added as part of CAIDI improvement program. Lockouts due to foreign utility feed caused 76% of the annual CMI and public cut tree contributed another 7%.	CAIDI work completed in 2008. Tree trimming performed in 2009. Monitor reliability.
Uniontown	BETHELBORO	BUTE	Circuit recoordination and phase balancing work planned.	In planning.
Uniontown	LARDIN	MCCLELLANDTOWN	Trees and public customer foreign object contributed 98% 95% to the annual CMI. Circuit review planned.	In planning.
Washington	DUTCH FORK	W ALEXANDER	Load balancing, capacitor replacement, and underground cable injection work planned.	WR 1287248 completed 11/2008 for CAIDI improvement.
Waynesboro	BLUE RIDGE SUMMIT	SABILLASVILLE	Circuit review planned for 2009. 92% of CMI was caused during Ice Storm between 12/16 and 12/19.	Circuit Reviewed in 2009 for reliability, coordination, loading, and voltage. CAIDI work to be completed in 2010 including small coordination work and installing fault indicators. Continue to monitor reliability.
Waynesboro	BLUE RIDGE SUMMIT	SANITARIUM	Circuit review planned for 2009.	Circuit Reviewed in 2009 for reliability, coordination, loading, and voltage.
Waynesboro	FAYETTEVILLE	CALEDONIA	Off right-of way trees and ice/snow contributed 80% to the annual CMI. Circuit split completed in 2008 to Caledonia feeder and Bikle Rd feeder.	Monitor reliability after circuit split.
Waynesboro	FOUNTAINDALE	CARROLL VALLEY	Substation transformer replacement planned. Additional phases and recoordination planned.	Substation transformer replacement complete. Monitor reliability.
Waynesboro	QUINCY	SOUTH MOUNTAIN	Regulator replacement planned. Air switches installed and re-coordination completed in 2008	Monitor reliability after recoordination and switch installation completed. Plan regulator replacement.

Appendix III – Goals Progress
(Not required for fourth quarter report)

Appendix IV – Callout Acceptance

Allegheny Power 2009

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	287	97	34%	675	147	22%	474	138	29%	532	110	21%	1968	492	25%
Boyce	340	120	35%	413	162	39%	399	149	37%	377	131	35%	1529	562	37%
Butler	461	172	37%	654	222	34%	615	168	21%	470	139	30%	2400	701	29%
Charleroi	461	125	27%	806	194	24%	450	187	42%	459	148	32%	2176	654	30%
Clarion	91	43	47%	142	56	39%	54	31	57%	65	34	52%	352	164	47%
Jeannette	382	101	26%	875	196	22%	826	153	19%	578	126	22%	2661	576	22%
Jefferson	422	98	23%	644	156	24%	322	125	39%	297	82	28%	1685	461	27%
Kittanning	143	78	55%	220	112	51%	198	93	47%	153	72	47%	714	355	50%
Latrobe	458	143	31%	548	152	28%	402	133	33%	368	127	35%	1776	555	31%
McConnellsburg	139	94	68%	144	86	60%	139	67	48%	222	115	52%	644	362	56%
McDonald	224	89	40%	254	103	41%	370	155	42%	196	80	41%	1044	427	41%
Pleasant Valley	394	137	35%	524	172	33%	329	136	41%	315	127	40%	1562	572	37%
St.Mary's	177	120	68%	246	143	58%	170	109	64%	215	115	53%	808	487	60%
State College	731	157	21%	653	163	25%	674	178	26%	695	166	24%	2753	664	24%
Uniontown	434	171	39%	538	164	30%	292	144	49%	370	144	39%	1634	623	38%
Washington	418	105	25%	502	135	27%	432	138	32%	412	104	25%	1764	482	27%
Waynesboro	518	193	37%	634	201	32%	598	168	28%	537	157	29%	2287	719	31%
Total AP Average	6060	2043	34%	8472	2564	30%	6944	2272	33%	6261	1977	32%	27757	8856	32%

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	33	23	70%	50	32	64%	54	30	56%	39	26	67%	176	111	63%
Boyce	28	20	71%	61	30	49%	16	10	63%	41	22	54%	146	82	56%
Butler	34	28	82%	33	24	73%	58	37	64%	23	12	52%	148	101	68%
Charleroi	80	34	43%	55	22	40%	98	27	28%	79	17	22%	312	100	32%
Jeannette	24	10	42%	55	17	31%	28	4	14%	31	6	19%	138	37	27%
Jefferson	62	19	31%	84	20	24%	57	15	26%	54	15	28%	257	69	27%
Kittanning	8	6	75%	21	15	71%	12	11	92%	12	10	83%	53	42	79%
Latrobe	45	18	40%	45	14	31%	36	8	22%	54	14	26%	180	54	30%
Pleasant Valley	36	22	61%	70	31	44%	34	19	56%	37	20	54%	177	92	52%
St.Mary's	22	15	68%	23	8	35%	34	12	35%	23	7	30%	102	42	41%
State College	50	18	36%	40	18	45%	60	17	28%	56	15	27%	206	68	33%
Washington	14	3	21%	29	7	24%	22	6	27%	24	3	13%	89	19	21%
Waynesboro	53	19	36%	68	17	25%	57	12	21%	76	22	29%	254	70	28%
Total AP Average	489	235	48%	634	255	40%	566	208	37%	549	189	34%	2238	887	40%
Total Combined AP Average	6569	2278	35%	9106	2619	31%	7510	2480	33%	6810	2166	32%	29995	9743	32%

Appendix V – 5% Distribution Circuit Improvement Index (DCII)

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

Index	System Average	Sample Circuit Index
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.

Actual SAIFI / System Average SAIFI	= 2.32 / 0.66	=	3.52
Actual SAIDI / System Average SAIDI	= 258.8 / 181.95	=	1.42
Actual CAIDI / System Average CAIDI	= 176.23 / 275.71	=	0.64

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

SF = 1 - (0.3 x (Actual SAIFI / Average SAIFI)) = 1 - (0.3 * 3.52) = -0.0560
SD = 1 - (0.3 x (Actual SAIDI / Average SAIDI)) = 1 - (0.3 * 1.42) = 0.5740
CD = 1 - (0.3 x (Actual CAIDI / Average CAIDI)) = 1 - (0.3 * 0.64) = 0.8080

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

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

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

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

Appendix VI – Major Event

There were no Major Events in the quarter.

Re: 2009 Fourth Quarter Reliability Report of Allegheny Power

CERTIFICATE OF SERVICE

I certify that this 29th day of January, 2010, I have served a true and correct copy of the **Reliability Report** of Allegheny Power, by first-class mail, postage prepaid, upon the following:

Office of the Consumer Advocate
555 Walnut Street
Forum Place, 5th Floor
Harrisburg, PA 17101-1923

Office of Small Business Advocate
Suite 1102 Commerce Building
300 North Second Street
Harrisburg, PA 17101

David J. Dulick
Pennsylvania Rural Electric Assn.
212 Locust Street, 2nd Floor
Harrisburg, PA 17101

Scott J. Rubin, Esquire
Utility Workers Union of America
3 Lost Creek Drive
Selinsgrove, PA 17870

Date: January 29, 2010

John L. Munsch, Attorney for
WEST PENN POWER COMPANY,
d/b/a ALLEGHENY POWER
Pa. Attorney I.D. No.: 31489
800 Cabin Hill Drive
Greensburg, PA 15601
(724) 838-6210

FOR UPS SHIPPING ONLY

From: Origin ID: CVAA (724) 838-6738
Shirley Christian
Allegheny Power
800 Cabin Hill Drive

Greensburg, PA 15601

FedEx Express

J191809121178124

Ship Date: 28JAN10
ActWgt: 1.0 LB
CAD: 8924375/INET3010

Delivery Address Bar Code

Ref # 4001-100077-43000818
Invoice #
PO #
Dept #

SHIP TO: (724) 838-6738 BILL SENDER

James J. McNulty, Secretary
Pennsylvania Public Utility Commiss
400 NORTH ST
COMMONWEALTH KEYSTONE BLDG
HARRISBURG, PA 17120

TRK# 7983 4403 0248

FedEx TRK# 0201 7983 4403 0248

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PRIORITY OVERNIGH
MON - 01 FEB A
PRIORITY OVERNIGH

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Emp# 550109 29JAN10 CVAA

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TO: MCNULT
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