

2800 Pottsville Pike P.O. Box 16001 Reading, PA 19612-6001

610-929-3601

February 1, 2013

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#### VIA UNITED PARCEL SERVICE

Rosemary Chiavetta, Secretary Pennsylvania Public Utility Commission P.O. Box 3265 Harrisburg, PA 17120

FEB 0 1 2013

PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

#### Joint 4<sup>th</sup> Quarter 2012 Reliability Report –West Penn Power Company Re:

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of West Penn Power Company ("Penn Power") are two copies of the 4<sup>th</sup> Quarter 2012 Reliability Report. Please date stamp the additional copy and return it in the postage-prepaid envelope provided.

Please feel free to contact me if you have any questions or need additional information regarding this matter.

Sincerely,

Poug Ele

Douglas S. Elliott President, Pennsylvania Operations (610) 921-6060 elliottd@firstenergycorp.com

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c: D. Gill – Bureau of Technical Utility Services (via email and first class mail)
 D. Searfoorce - Bureau of Technical Utility Services (via email and first class mail)

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PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

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# 2012 4<sup>th</sup> Quarter Reliability Report

West Penn Power Company

Pursuant to 52 Pa. Code § 57.195(d) and (e)

## 4<sup>th</sup> Quarter 2012 Reliability Report -West Penn Power Company

The following 4<sup>th</sup> Quarter 2012 Reliability Report is filed on behalf of West Penn Power Company ("West Penn Power") for the period ending December 31, 2012.

<u>Section 57.195(e)(1):</u> A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future.

### Major Events

West Penn Power did not experience a major event during the reporting period ending December 31, 2012.

<u>Section 57.195(e)(2):</u> 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.

40 <sup>2</sup> 012		West Penn Pow	er	
(12-Mo Rolling)	Benchmark	12-Month Standard	12-Month Actual	
SAIFI	1.05	1.26	1.07	
CAIDI	170	204	2261	
SAIDI	179	257	2411	
Customers Served <sup>2</sup>	706,261			
Number of Sustained Interruptions	11,237			
Customers Affected	753,301			
Customer Minutes	170,498,704			

## Reliability Index Values

<sup>1</sup> West Penn Power's higher-than-normal CAIDI and SAIDI are directly attributed to the non-excludable events Derecho and Hurricane Sandy as shown in the chart below:

20	2012 Storm Impact on West Penn Power Reliability						
	June Derecho	Hurricane Sandy	12 Month Actual Excluding Derecho	12-Month Actual Exčluding Hurricane Sandy			
CAIDI	47	31	179	195			
SAIDI	66	43	175	198			

<sup>&</sup>lt;sup>2</sup> Represents the average number of customers served during the reporting period.

<u>Section 57.195(e)(3)</u>: Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available. MAIFI) and other pertinent information such as customers served, number of interruptions, customer minutes interrupted, number of lockouts, and so forth, for the worst performing 5% of the circuits in the system. An explanation of how the EDC defines its worst performing circuits shall be included.

#### Worst Performing Circuits – Reliability Indices

The methodology used to identify worst performing circuits is based on both System Average Interruption Frequency Index ("SAIFI") and System Average Interruption Duration Index ("SAIDI"). The methodology consists of the following steps:

- 1. For each circuit calculate a circuit SAIFI using only distribution-cased outages.
- 2. Select the worst 20% of circuits based on the highest circuit SAIFI.
- 3. Rank the selected circuits based on SAIDI using only distribution-caused customer minutes.
- 4. Select 5% of the circuits based on the highest customer minutes. These circuits are then identified as the worst performing circuits.

West Penn Power's ranking of the 5% Worst Performing Circuits are provided in Attachment A to this report.

<u>Section 57.195(e)(4)</u>: Specific remedial efforts taken and planned for the worst performing 5% of the circuits identified in paragraph (3).

### Worst Performing Circuits – Remedial Action

West Penn Power's Remedial Actions for its 5% Worst Performing Circuits are provided in Attachment B to this report.

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

Outages by Cause

Outages by Cause - West Penn Power

Outages by₂Cause				
4th Quarter 2012 12-Month Rolling		West Pen	n Power	
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Numberof Outages
EQUIPMENT FAILURE	19,471,142	2,566	136,800	22.84%
TREES/NOT PREVENTABLE	68,377,040	2,450	169,825	21.80%
UNKNOWN	21,532,137	1,978	113,781	17.60%
ANIMAL	2,087,784	998	24,834	8.88%
LINE FAILURE	13,428,338	779	69,476	6.93%
FORCED OUTAGE	4,368,227	718	67,046	6.39%
TREES/PREVENTABLE	7,044,906	398	19,873	3.54%
VEHICLE	8,040,413	352	65,690	3.13%
WIND	18,969,212	324	31,860	2.88%
LIGHTNING	2,245,292	225	10,921	2.00%
BIRD	587,746	151	4,572	1.34%
HUMAN ERROR - NON-COMPANY	1,411,515	91	13,351	0.81%
CUSTOMER EQUIPMENT	133,444	50	915	0.44%
UG DIG-UP	115,205	34	1,037	0.30%
HUMAN ERROR - COMPANY	394,571	29	8,005	0.26%
FIRE	515,347	23	3,192	0.20%
OBJECT CONTACT WITH LINE	104,055	20	1,560	0.18%
OVERLOAD	618,369	20	3,989	0 <u>.18%</u>
VANDALISM	118,885	15	5,261	0.13%
PREVIOUS LIGHTNING	14,121	7	49	0.06%
OTHER UTILITY-NON ELEC	3,755	5	19	0.04%
ICE	2,452	2	2	0.02%
OTHER ELECTRIC UTILITY	914,748	2	1,243	0.02%
TOTAL	170,498,704	11,237	753,301	100100%

#### Proposed Solutions - West Penn Power

#### Equipment Failure

West Penn Power addresses equipment failures using a three-prong approach. The first step is to conduct pole by pole reviews of mainline hardware and correct any deficiencies found. The second step is a manual review of the entire overhead circuit, visiting all locations on a six-year cycle. And the third step is conducting an engineering review and root cause analysis of all distribution circuit lockouts. The number of equipment failures is mitigated through these inspection and maintenance practices and the follow up corrective actions. In addition, the Engineering Department periodically conducts a multi-operation device review to identify causes and trends of equipment failures and other outage causes. Engineering then plans accordingly to repair or replace facilities.

#### Trees/Not Preventable

West Penn Power's Danger Tree Program consists of removing, or significantly reducing in height, diseased or damaged trees located outside the boundary of the right-of-way that pose a threat to service reliability or the integrity of the line under any weather condition. West Penn Power also began targeting live, healthy trees that pose a threat to service reliability or integrity of the line by uprooting, breaking, or otherwise falling into the line.

#### <u>Unknown</u>

There are numerous events, which are typically transient in nature, that result in outages with the cause unknown. Procedures are in place for field personnel to investigate recurring outages on a specific sectionalizing device. Experience has shown that very few of the outage events classified as unknown are recurrent in nature. West Penn Power has also introduced a root cause analysis process for all circuit lockouts that includes field patrols of all questionable outage causes. <u>Section 57.195(e)(6)</u>: Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/objectives (for first, second and third quarter reports only).

T&D Inspection and Maintenance Programs

Information is not required for the 4<sup>th</sup> Quarter report.

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

## Budgeted vs. Actual T&D Operation & Maintenance Expenditures

Information is not required for the 4<sup>th</sup> Quarter report.

<u>Section 57.195(e)(8):</u> Quarterly and year-to-date information on budgeted versus actual transmission and distribution capital expenditures in total and detailed by the EDC's own functional account code or FERC account code as available. (For first, second and third quarter reports only).

## Budgeted vs. Actual T&D Capital Expenditures

Information is not required for the 4<sup>th</sup> Quarter report.

<u>Section 57,195(e)(9)</u>: Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (for example, linemen, technician, and electrician).

Staffing Levels

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	West Penn Row	er 2012			
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	82	82	81	82
	Lineman	170	175	178	175
Substation	Leader	14	15	14	15
Substation	Electrician	46	48	49	48
	<del>ا</del>	otal 312	320	322	320

<u>Section 57,195(e)(10):</u> Quarterly and year-to-date information on contractor hours and dollars for transmission and distribution operation and maintenance.

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## Contractor Expenditures

Contractor expenses are billed on a lump sum basis and as such, hourly information is not available.

	Ç	Contractor Expe	nditures 2012 (\$	), <sup>11</sup>	· · • · · · · · · · · · · · · · · · · ·
	1Q	2Q	3Q	4Q	Total
West Penn Power	1,483,675	3,348,987	3,313,318	1,885,320	10,031,300

<u>Section 57.195(e)(11):</u> Monthly call-out acceptance rate for transmission and distribution maintenance workers presented in terms of both the percentage of accepted calls-out and the amount of time it takes the EDC to obtain the necessary personnel. A brief description of the EDC's call-out procedure should be included when appropriate.

### Call-out Acceptance Rate

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Call-out percentage is defined as the number of positive responses to total calls.

Call-out Acceptance Rate - 2012			
4	West Penn Power		
January	38%		
February	45%		
March	29%		
April	34%		
May	31%		
June	24%		
July	24%		
August	23%		
September	23%		
October	29%		
November	26%		
December	27%		

## Call-out Acceptance Rate

Larger utilities report the amount of time it takes to obtain the necessary personnel during call-outs. West Penn Power has worked with other utilities to ensure consistency in calculating and reporting this data.

	West Penn Power					
2012	Total Call- Outs	Workers Accepting	Elapsed Time (Minutes)	Average Response Time per Crew Call- Out (Minutes)	Average Response Rate Per Workers Accepting (Minutes)	
October	661	524	2153	4.54	4.11	
November	740	464	2738	6.32	5.90	
December	812	624	2955	5.23	4.74	
40 Total	2218	1612	7846	6.37	4.92	

<u>Total Call-outs</u> = Total number of incidents

Workers Accepting = Total number of employees accepting work offered

<u>Elapsed Time</u> = Time of day called minus time of day accepted (expressed in minutes)

Average Response Time Per Crew Call-Out = Elapsed Time divided by Total Call-Outs Average Response Time Per Workers Accepting = Elapsed Time divided by Workers Accepting

# ATTACHMENT A

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# Worst Performing Circuits - Reliability Indices

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Circuit Rank	Substation	Circuit Desc	Average Customers	Outages	Customer Minutes	Customers Affected	SAIDI	CAIDI	SAIFI
1	PURCELL	ARTEMAS	542	25	2,370,992	1,451	4,375	1,634	2.68
2	NECESSITY	OHIOPYLE	843	51	2,182,739	2,721	2,589	802	3.23
3	DUTCH FORK	WALEXANDER	1,142	63	1,947,939	3,196	1,706	609	2,8
4	RUTAN	WINDRIDGE	1,192	62	1,893,636	2,449	1,589	773	2.05
5	CLEARVILLE	CLEARVILLE	617	39	1,903,112	1,618	3,084	1,176	2.62
6	RUTAN	BRISTORIA	1,209	58	1,731,218	3,246	1,432	533	2.68
7	MERCERSBURG	CORNER	983	50	1,729,832	1,767	1,760	979	1.8
8	AMITY	AMITY	520	16	1,708,123	1,648	3,285	1,036	3.17
9	HOUSTON	MCGOVERN	1,701	29	1,661,572	4,731	977	351	2.78
10	BETHLEN	DARLINGTON	1,234	72	1,544,266	3,560	1,251	434	2.88
11	EMMAVILLE	STONEY BREAK	372	8	1,576,895	943	4,239	1,672	2.53
12	<ul> <li>NECESSITY</li> </ul>	GIBBON GLADE	489	26	1,449,322	1,337	2,964	1,084	2.73
13	BETHLEN	WILPEN	1,373	75	1,354,327	4,349	986	311	3.17
14	FRANKLIN	SOUTH WAY NESBURG	2,098	39	1,402,225	5,214	668	269	2.49
15	NORTH UNION	MOUNT VERNON	1,550	15	1,334,513	5,069	861	263	3.27
16	MERRITTSTOWN	REPUBLIC	1,617	26	1,480,901	4,906	916	302	3.03
17	MERCERSBURG	COVEGAP	880	37	1,119,512	1,524	1,272	735	1.73
18	HENRY CLAY	MARKLEY SBURG	1,080	37	1,108,245	3,927	1,026	282	3.64
19	VESTABURG	MEXICO	596	20	935,177	2,353	1,569	397	3.95
20	SHAFFERS CORNER	SEVENTH ST RD	2,088	25	962,323	8,365	461	115	4.01
21	LANTZ		670	17	1,047,752	2,897	1,564	362	4.32
22	SAINT THOMAS	LEMASTERS	381	25	797,879	580	2,094	1,376	1.52
23	WATERVILLE	WATERVILLE	355	16	795,911	1,195	2,242	666	3.37
24	MATHER	JEFFERSON	1,376	18	851,419	4,642	619	183	3.37
25	NORTH FAYETTE	TYRE	1,391	28	761,028	3,981	547	191	2.86
26	BUCKEYE NO.3	S MUDDY CREEK	964	23	749,566	3,735	778	201	3.87
27	HUNTINGDON	PENNA AVE	1,593	12	724,812	5,201	455	139	3.26
28	BEDFORD ROAD	RT 220 NORTH	790	15	790,611	2,487	1,001	318	3.15
29	CROSSGATES	ROBINHOOD	923	14	731,449	2,648	792	276	2.87
	BETHLEN	LAUGHLINTOWN	1,101	56	669,354	2,371	608	282	2.15
31	SAINT THOMAS	BRANDTS CH	741	29	667,730	1,412	901	473	1.91
32	VESTABURG	LOWHILL	706	27	654,875	2,315	928	283	3.28
33	HUNTINGDON	SHA WTOWN	1,738	14	633,759	4,337	365	146	2.5
34	CHARLEROI	SPEERS	1,465	25	632,115	3,739	431	169	2.55
35	FINLEYVILLE	FINLEYVILLE	1,307	11	611,433	2,715	468	225	2.08
36	WASHINGTON	PARK	1,599	21	608,771	2,737	381	222	1,71
37	FOUNTAINDALE	CARROLL VALLEY	1,212	41	704,228	4,166	581	169	3.44
38	DONEGAL	CHAMPION	1,164	38	602,086	2,904	517	207	2.49
39	SALTSBURG	AVONMORE	793	24	596,552	1,431	752	417	1.8
40	SILVERVILLE 138-12	HARRISON	1,183	27	596,406	3,893	504	153	3.29
	ELDERTON	WHITESBURG	580	19	574,268	877	990	655	1.51
42	MARIANNA	TENMILE	353	24	566,755	760	1,606	746	2.15

2012 Quarterly Reliability Report for period-ending December 31, 2012

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## ATTACHMENT B

# Worst Performing Circuits – Remedial Action

West	Penn Power		
Rank	Substation	Circuit	Remedial Actions Planned or Taken
1	PURCELL	ARTEMAS	90% of CMI was due to Hurricane Sandy storm on 10/29/12. 5% of CMI was due to storm on 5/27/12. 4% of CMI was due to 34.5kV sub transmission outage on 12/4/12. No other actions are planned at this time.
2	NECESSITY	OHIOPYLE	80% of the customer interruptions were due to trees. Circuit reviewed for mainline hardware issues in 2012. Tree trimming completed in 2012. No other actions are planned at this time.
3	DUTCH FORK	WALEXANDER	26% of the customer interruptions were due to forced outage, 42% trees, and 18% unknow n. Tree trimming planned for 2013.
4	RUTAN	WINDRIDGE	64% of the customer interruptions were due to trees and 20% were due to an unknow n caused outage. Tree trimming planned for 2013.
5	CLEARVILLE	CLEARVILLE	93% of CMI was due to Hurricane Sandy storm on 10/29/12. Tree trimming planned for 2013.
6	RUTAN	BRISTORIA	43% of the customer interruptions were due to equipment failure and 36% were due to trees. Tree trimming completed in 2012. No other actions are planned at this time.
7	MERCERSBURG	CORNER	88% of CMI w as due to Hurricane Sandy storm on 10/29/12. 9% of CMI w as due to two vehicle accidents. Circuit inspection completed in 2012. No other actions are planned at this time.
8	AMITY	ΑΜΠΥ	31% of the customer interruptions were due to line failure, 15% unknow n, and 26% were due to wind. This circuit was significantly affected by Derecho storm on 6/29/12. A circuit hardware review was completed in 2012. No other actions are planned at this time.
9	HOUSTON	MCGOVERN	36% of the customer interruptions were due to equipment failure and 45% were due to trees 2012 hardware review completed. Mainline danger tree work completed in 2012. No other actions are planned at this time.
10	BETHLEN	DARLINGTON	76% of the customer interruptions were due to tree outages, mostly during spring 2012 storms. Zone 2 danger tree work completed in 2012. No other actions are planned at this time.
11	EMMAVILLE	STONEY BREAK	78% of CMI w as due to Hurricane Sandy storm on 10/29/12. 19% of CMI w as due to the Derecho storm on 6/29/12. 3% of CMI w as due to 34.5kV sub transmission outage on 12/4/12. No other actions are planned at this time.
12	NECESSITY	GIBBON GLADE	24% of the customer interruptions were due to equipment failure and 55% were due to trees. Tree trimming planned for 2013.
13	BETHLEN	WILPEN	33% of the customer interruptions were due to trees and 38% were due to wind. Circuit was affected by weather during spring storms, possibly a tornado. Circuit patrolled in 2012. Tree trimming planned for 2013.

West	Penn Power		
Rank	Substation	Circuit	Remedial Actions Planned or Taken
14	FRANKLIN	SOUTH WAYNESBURG	24% of the customer interruptions were due to bird caused outage, 37% forced outage, and 16% were due to line failure. Circuit patrolled in 2012. Tree trimming completed in 2012. No other actions are planned at this time.
15	NORTH UNION	MOUNT VERNON	41% of the customer interruptions were due to line failure, 17% unknow n, and 40% were due to vehicle. Tree trimming planned for 2013.
16	MERRITTSTOWN	REPUBLIC	53% of the customer interruptions were due to line failure, 19% trees, and 15% were due to equipment failure. Tree trimming planned for 2013.
17	MERCERSBURG	COVE GAP	85% of CMI w as due to Hurricane Sandy storm on 10/29/12. 12% of CMI w as due to Derecho storm on 6/29/12. Tree trimming completed in 2012. No other actions are planned at this time.
18	HENRY CLAY	MARKLEYSBURG	27% of the customer interruptions were due to equipment failure, 27% forced outage, and 28% were due to line failure. Tree trimming completed in 2012. No other actions are planned at this time.
19	VESTABURG	MEXICO	35% of the customer interruptions were due to trees and 49% were due to vandalism. Circuit hardware review completed in 2012. Tree trimming planned for 2013.
20	SHAFFERS CORNER	SEVENTH ST RD	35% of the customer interruptions were due to equipment failure, 27% trees, and 37% were due to unknow n. Zone 1 tree trimming completed in 2012. No other actions are planned at this time.
21	LANTZ	MEADOW	40% of the customer interruptions were due to trees and 43% were due to vehicle. Circuit hardware review completed in 2012. No other actions are planned at this time.
22	SAINT THOMAS	LEMASTERS	96% of CMI was due to Hurricane Sandy storm on 10/29/12. No other actions are planned at this time.
23	WATERVILLE	WATERVILLE	26% of the customer interruptions were due to other electric utility and 65% were due to trees. Circuit is 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. Circuit review ed for mainline hardw are issues. Corrective w ork completed. Circuit monitoring installed in 2012. Mainline danger tree w ork completed in 2012. No other actions are planned at this time.
24	MATHER	JEFFERSON	85% of the customer interruptions were due to unknow n caused outages. Tree trimming completed in 2012. No other actions are planned at this time.
25	NORTH FAYETTE	TYRE	39% of the customer interruptions were due to animal and 40% were due to trees Tree trimming completed in 2012. No other actions are planned at this time.

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West	Penn Power	· · · · · · · · · · · · · · · · · · ·	
Rank	Substation	Circuit	Remedial Actions Planned or Taken
26	BUCKEYE NO.3	S MUDDY CREEK	30% of the customer interruptions were due to equipment failure, 27% line failure, and 34% were due to unknow n. Zone 1 tree w ork completed in 2012. No other actions are planned at this time.
27	HUNTINGDON	PENNA AVE	65% of the customer interruptions were due to an overload and 20% were due to wind. Outages were due to equipment (recloser) overload. Load has been transferred off the circuit, and line load has been balanced. The circuit over-current protection was re-engineered in order to replace heavily loaded equipment, and add additional fusing. No other actions are planned at this time.
28	BEDFORD ROAD	RT 220 NORTH	55% of CMI was due to summer storms. 37% of CMI was due to Hurricane Sandy storm on 10/29/12. Tree trimming planned for 2013.
29	CROSSGATES	ROBINHOOD	58% of the customer interruptions were due to trees and 39% were due to unknow n. Tree trimming completed in 2012. No other actions are planned at this time.
30	BETHLEN	LAUGHLINTOWN	34% of the customer interruptions were due to equipment failure, 34% trees, and 15% were due to unknow n. Circuit was reviewed for mainline hardware issues in 2012. No other actions are planned at this time.
31	SAINT THOMAS	BRANDTS CH	51% of CMI was due to Hurricane Sandy storm on 10/29/12. 34% of CMI was due to summer storms. 13% of CMI was due to circuit lockout on 8/11/12. Tree trimming completed in 2012. No other actions are planned at this time.
32	VESTABURG	LOW HILL	28% of the customer interruptions were due to unknow n caused outages and 61% were due to vandalism. Circuit patrolled in 2012. Tree trimming planned for 2013.
33	HUNTINGDON	SHAWTOWN	40% of the customer interruptions were due to equipment failure, 16% forced outage, and 42% were due to trees. No other actions are planned at this time.
34	CHARLEROI	SPEERS	19% of the customer interruptions were due to equipment failure, 39% line failure, and 40% were due to trees. Tree trimming completed in 2012. No other actions are planned at this time.
35	FINLEYVILLE	FINLEYVILLE	38% of the customer interruptions were due to human error non- company, 30% trees, and 15% was due to vehicle. Tree trimming completed in 2012. No other actions are planned at this time.
36	WASHINGTON	PARK	58% of the customer interruptions were due to trees, 10% unknow n caused outages, and 17% were due to wind. Circuit was reviewed for mainline hardware issues in 2012. No other actions are planned at this time.

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West Penn Power			
Rank	Substation	Circuit	Remedial Actions Planned or Taken
37	FOUNTAINDALE	CARROLL VALLEY	54% of CMI was due to Hurricane Sandy storm on 10/29/12. 14% of CMI was due to 34.5kV sub transmission outage on 12/3/12- a tree was pushed into line w hile widening road. 9% of CMI was due to circuit lockout on 10/6/12. Circuit inspection completed in 2012. Substation electronic OCR settings were updated in 2012 to improve circuit mainline protection. No other actions are planned at this time.
38	DONEGAL	CHAMPION	60% of the customer interruptions were due to equipment failure, and 34% trees. Tree trimming completed in 2012. No other actions are planned at this time.
39	SALTSBURG	AVONMORE	87% of the customer interruptions were due to trees. Tree trimming planned for 2013.
40	SILVERVILLE 138-12	HARRISON	39% of the customer interruptions were due to lightning, 28% unknow n caused outages, and 15% were due to wind. Circuit reviewed for mainline hardware issues in 2012. Tree trimming planned for 2013.
41	ELDERTON	WHITESBURG	42% of the customer interruptions were due to trees, 41% trees, and 7% were due to unknow n. No other actions are planned at this time.
42	MARIANNA	TEN MILE	74% of the customer interruptions were due to trees and 13% unknow n caused outages. No other actions are planned at this time.

## ATTACHMENT C

West Penn Power's Compliance with Terms of the July 20, 2006 Reliability Settlement Petition

ltem	Description.	Compliance Status
2a.	Allegheny Power will make adjustments to its vegetation maintenance practices to reduce its rights-of-way clearing cycle to no longer than four years from [2005] through 2008 and will use the four-year cycle results to test the effectiveness of this approach. Allegheny Power reserves the right to change the cycle length after 2008 (after discussing with the parties) if another method with the cycle of more than four years appears more effective at managing its rights of way. Allegheny power will also make adjustments to its existing program to allow more focus on off-right-of-way danger trees.	Commitment completed.
2b.	Allegheny Power will maintain its 12-year inspection cycle for distribution and subtransmission wood poles and overhead facilities in a manner consistent with standard industry practices. These inspections will include visual inspections of the pole, the materials and equipment contained thereon from the ground line to the top of the pole, hammer soundings, borings, excavation and treatment of pole. In addition, Allegheny Power will commit to performing amid-cycle visual inspection of the pole and any material and equipment contained thereon, from the ground line to the pole top, incorporating reliability performance and performance of the materials and equipment into the prioritization of performing the mid-cycle inspections.	Commitment implemented.
2c.	Allegheny Power has committed to undertake a line workforce study that is to determine how many line workers should be hired to proactively prepare for anticipated retirements, to determine the optimal locations for line workers, to determine appropriate work shifts to reduce overtime, and to increase the effectiveness of its operations. Allegheny Power agrees to also study its substation workforce with the goal of estimating future staffing needs, preparing for anticipated retirements, determining the optimal locations and work shifts, and increasing the effectiveness of operations. The line and substation workforce study will be provide to the active parties and Allegheny Power will meet with them to discuss the results of the study.	Commitment completed.
3.	Allegheny Power will provide the Parties copies of all reliability-related reports filed with the PUC under 52 Pa. Code § 57.195 and any additional documents that may be required under 52 Pa. Code § 57.194(h)(1). In addition, as part of its quarterly reliability reports. Allegheny Power will include a section reporting on its compliance with the terms of this settlement.	Commitment completed.
4a. 1-3	<ul> <li>Allegheny Power will meet semi-annually with PREA/AEC and local cooperative staff to address reliability and other issues. Meetings will include the following topics:         <ol> <li>Discussion of most recent outages at PREA/AEC delivery points</li> <li>Identification and mutual agreement of Delivery Points that serve critical services/customers (identified as those which directly affect public safety)</li> <li>Discussion of performance on the five "worst performing" Delivery Points, including outage details and determination if corrective action is warranted and development of any appropriate corrective action plan to be completed in a reasonable period of time.</li> </ol> </li> </ul>	Commitment implemented.

#### BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

Joint 4<sup>th</sup> Quarter 2012 Reliability Report - : West Penn Power Company :

#### **CERTIFICATE OF SERVICE**

I hereby certify that I have this day served a true and correct copy of the foregoing document upon the individuals listed below, in accordance with the requirements of 52 Pa. Code  $\S$  1.54 (relating to service by a participant).

Service by first class mail, as follows:

Steven C. Gray Acting Small Business Advocate Office of Small Business Advocate Suite 1102, Commerce Building 300 North Second Street Harrisburg, PA 17101

David Dulick Pennsylvania Rural Electric Association 212 Locust Street, 2<sup>nd</sup> Floor Harrisburg, PA 17101 Tanya McCloskey Office of Consumer Advocate 555 Walnut Street – 5<sup>th</sup> Floor Harrisburg, PA 17101-1923

Scott Rubin Utility Workers Union of America 333 Oak Lane Bloomsburg, PA 17815-2036

Dated: February 1, 2013



FEB 1 2013

PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

Tori L. Giesler Attorney No. 207742 FirstEnergy Service Company 2800 Pottsville Pike P.O. Box 16001 Reading, Pennsylvania 19612-6001 (610) 921-6203 tgiesler@firstenergycorp.com

Counsel for West Penn Power Company



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