

November 3, 2014

VIA UNITED PARCEL SERVICERosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor
Harrisburg, PA 17120**RECEIVED**

NOV - 3 2014

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU**Re: 3rd Quarter 2014 Reliability Report –West Penn Power Company**

Dear Secretary Chiavetta:

L-00030161

Pursuant to 52 Pa. Code § 57.195(d) and (e), enclosed for filing on behalf of West Penn Power Company are two copies of the 3rd Quarter 2014 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,



Tori L. Giesler

Enclosures

c: As Per Certificate of Service
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)



2014 3rd Quarter Reliability Report

West Penn Power Company

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

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NOV - 3 2014

PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

3rd Quarter 2014 Reliability Report - West Penn Power Company

Section 57.195(e)(1): A description of each major event that occurred during the preceding quarter, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted in order to avoid or minimize the impact of similar events in the future¹.

Major Events

West Penn Power did not experience any major events during the reporting period ending September 30, 2014.

¹ For purposes of this report, all reliability reporting is based upon the Pennsylvania Public Utility Commission's definitions for momentary outages and major events pursuant to 52 Pa. Code § 57.192.

Section 57.195(e)(2): Rolling 12-month reliability index values (SAIFI, CAIDI, SAIDI, and if available MAIFI) for the EDC's service territory for the preceding quarter. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer interruptions, the number of customers affected, and the customer minutes of interruption. If MAIFI² values are provided, the report shall also include the number of customer momentary interruptions.

Reliability Index Values

West Penn Power achieved better than benchmark CAIDI and SAIDI performance.

3Q 2014 (12-Mo Rolling)	West Penn Power		
	Benchmark	12-Month Standard	12-Month Actual
SAIFI	1.05	1.26	1.09
CAIDI	170	204	159
SAIDI	179	257	173
Customers Served ³	713,002		
Number of Sustained Interruptions	10,659		
Customers Affected	776,608		
Customer Minutes	123,296,397		

² MAIFI values are not available

³ Represents the average number of customers served during the reporting period.

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

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-caused 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 is provided in Attachment A to this report.

Section 57.195(e)(4): 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.

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

Outages by Cause

Outages by Cause – West Penn Power

Outages by Cause				
3rd Quarter 2014 12-Month Rolling	West Penn Power			
Cause	Customer Minutes	Number of Sustained Interruptions	Customers Affected	% Based on Number of Outages
EQUIPMENT FAILURE	19,001,541	2,434	163,932	22.84%
UNKNOWN	12,286,955	1,625	84,945	15.25%
TREES OFF ROW-TREE	35,473,262	1,393	112,610	13.07%
FORCED OUTAGE	11,104,196	1,174	142,746	11.01%
LINE FAILURE	17,053,351	984	86,206	9.23%
ANIMAL	1,581,838	894	25,215	8.39%
TREES ON ROW	6,482,111	478	28,788	4.48%
TREES OFF ROW-LIMB	6,332,651	422	33,889	3.96%
VEHICLE	8,008,530	344	57,741	3.23%
TREES - SEC/SERVICE	367,810	252	1,311	2.36%
BIRD	515,050	228	6,333	2.14%
LIGHTNING	2,146,970	169	11,044	1.59%
HUMAN ERROR -NON-COMPANY	1,791,424	102	13,456	0.96%
UG DIG-UP	65,964	32	398	0.30%
OBJECT CONTACT WITH LINE	103,114	28	663	0.26%
OVERLOAD	335,987	22	2,806	0.21%
HUMAN ERROR - COMPANY	46,014	21	588	0.20%
CUSTOMER EQUIPMENT	284,851	18	2,329	0.17%
VANDALISM	17,100	13	80	0.12%
FIRE	10,570	11	35	0.10%
OTHER ELECTRIC UTILITY	261,690	5	742	0.05%
PREVIOUS LIGHTNING	2,432	5	5	0.05%
SWITCHING ERROR	22,534	3	743	0.03%
CONTAMINATION	242	1	2	0.01%
WIND	210	1	1	0.01%
Total	123,296,397	10,659	776,608	100.00%

Proposed Solutions – West Penn Power

Equipment Failure

West Penn Power addresses equipment failures using a three-pronged approach. The first step is to conduct pole by pole reviews of main line hardware and correct any deficiencies found. The second step is a 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 programs 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.

Unknown

There are numerous events, which are typically transient in nature, that result in outages with an unknown cause. 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 also introduced a root cause analysis process for all circuit lockouts that includes field patrols of all unknown outage causes.

Trees Off ROW-Tree

West Penn Power's danger tree program consists of removing, or significantly reducing in height, dead, 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. In 2012, West Penn Power began a program targeting ash trees impacted by the Emerald Ash Borer. This has been an ongoing effort, and will continue throughout 2014.

Section 57.195(e)(6): Quarterly and year-to-date information on progress toward meeting transmission and distribution inspection and maintenance goals/objectives (for first, second and third quarter reports only).

T&D Inspection and Maintenance Programs

Inspection and Maintenance 2014		West Penn Power		
		Planned	Completed	
		Annual	3Q	YTD
Forestry	Transmission (Miles)	166.62	47.06	125.10
	Distribution (Miles)	4,506	940	2,981
Transmission	Aerial Patrols	2	0	1
	Groundline	0	0	0
Substation	General Inspections	5,880	1,470	4,410
	Transformers	608	56	464
	Breakers	501	163	388
	Relay Schemes	160	102	160
Distribution	Capacitors	1,310	0	1,311
	Poles	54,900	17,289	45,395
	Reclosers	3,789	0	3,789
	Radio-Controlled Switches	West Penn Power has no radio-controlled switches.		

Section 57.195(e)(7): Quarterly and year-to-date information on budgeted versus actual transmission and distribution operations 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 Expenditures⁴

West Penn Power					
T&D O&M: 3Q / YTD, September 2014 (\$)					
Category	Q3 Actuals	Q3 Budget	YTD Actuals	YTD Budget	Annual Budget
Transmission					
560 Operation Supervision and Engineering	-3	0	50	0	0
561 Load Dispatching	221,249	551,479	645,872	1,612,574	2,133,581
562 Station Expenses	-39,107	505,353	-673	1,453,032	1,913,851
563 Overhead Lines Expenses	529	0	1,177	0	0
565 Transmission of Electricity by Others	7,916,260	6,957,904	23,365,568	20,523,321	27,481,224
566 Miscellaneous Transmission Expenses	81,536	71,753	193,425	206,029	271,032
567 Rents	65,849	0	128,680	0	0
568 Maintenance Supervision and Engineering	99,193	122,283	277,876	327,305	417,316
569 Maintenance of Structures	9,053	58,879	27,861	173,656	227,646
570 Maintenance of Station Equipment	624,924	98,611	1,896,654	249,310	340,036
571 Maintenance of Overhead Lines	1,530,996	706,026	3,940,617	1,524,209	1,946,687
572 Maintenance of Underground Lines	0	0	890	0	0
573 Maintenance of Miscellaneous Transmission Plant	0	0	0	0	0
575 Market Administration, Monitoring & Compliance Svcs	-8	5,888	200	17,472	23,360
Transmission Total	10,510,472	9,078,176	30,478,195	26,086,908	34,754,735
Distribution					
580 Operation Supervision and Engineering	56,572	21,857	-6,337	57,844	453,940
581 Load Dispatching	297,349	292,667	956,799	823,318	1,074,225
582 Station Expenses	257,821	319,250	562,471	918,717	1,210,387
583 Overhead Line Expenses	245,403	284,568	1,209,959	1,255,109	1,364,428
584 Underground Line Expenses	326,222	243,563	858,401	730,801	974,363
586 Meter Expenses	168,296	200,414	522,818	573,954	754,590
587 Customer Installations Expenses	0	0	0	0	0
588 Miscellaneous Dx Expenses	3,190,777	1,809,340	6,933,350	5,804,898	8,521,377
589 Rents	0	0	0	0	0
590 Maintenance Supervision and Engineering	56,606	128,070	163,099	289,303	379,123
591 Maintenance of Structures	0	0	0	0	0
592 Maintenance of Station Equipment	1,260,884	1,017,719	3,322,520	2,725,054	3,665,101
593 Maintenance of Overhead Lines	2,777,506	4,194,170	11,279,817	11,566,701	15,032,288
594 Maintenance of Underground Lines	183,480	126,248	876,842	553,084	668,242
595 Maint. Line Transformer	0	0	0	0	0
596 Maintenance of Street Lighting and Signal Systems	139,400	217,289	792,641	624,013	821,803
597 Maintenance of Meters	363,016	411,439	988,591	1,178,101	1,552,690
598 Maintenance of Miscellaneous Distribution Plant	53,966	329,018	161,421	970,359	1,272,025
Distribution Total	9,377,299	9,595,613	28,622,392	28,071,253	37,744,583
West Penn Power Grand Total	19,887,771	18,673,789	59,100,587	54,158,161	72,499,317

⁴ Budgets are subject to change.

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

Budgeted vs. Actual T&D Capital Expenditures⁵

West Penn Power					
T&D Capital - 3Q / YTD September 2014 (\$)					
Category	Q3 Actuals	Q3 Budget	Q3 YTD Actuals	Q3 YTD Budget	Annual Budget
Capacity	8,227,319	2,594,471	14,080,443	12,407,581	15,490,510
Condition	1,201,165	1,964,259	3,699,923	6,403,069	8,056,231
Facilities	823,354	370,616	1,527,422	870,994	1,114,559
Forced	7,922,913	7,333,547	18,967,094	20,496,598	25,700,580
Meter Related	312,507	656,387	1,367,845	1,882,681	2,454,625
New Business	3,826,061	6,117,542	11,899,498	17,230,042	22,788,586
Other	6,831,848	5,362,848	14,806,462	12,892,689	21,097,361
Reliability	1,061,576	1,633,941	5,342,823	3,403,529	4,031,953
Street Light	200,306	177,815	698,839	510,290	665,577
Tools & Equipment	349,157	274,719	1,831,342	785,784	1,613,460
Vegetation Management	7,706,936	7,605,091	24,154,032	23,752,102	31,730,252
West Penn Power Total	38,463,144	34,091,234	98,375,722	100,635,357	134,743,695

General Note:
Capital reported on Generally Accepted Accounting Principles (GAAP) basis.

⁵ Budgets are subject to change.

Section 57.195(e)(9): *Dedicated staffing levels for transmission and distribution operation and maintenance at the end of the quarter, in total and by specific category (for example, linemen, technician, and electrician).*

Staffing Levels

West Penn Power 2014					
Department	Staff	1Q	2Q	3Q	4Q
Line	Leader / Chief	75	73	73	
	Lineman	151	146	143	
Substation	Leader	13	13	12	
	Electrician	44	45	45	
	Total	283	277	273	

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

Contractor Expenditures

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

Contractor Expenditures 2014 (\$)					
	1Q	2Q	3Q	4Q	Total
West Penn Power	3,692,585	3,537,906	4,589,421		11,819,912

Section 57.195(e)(11): 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

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

Call-out Acceptance Rate - 2014	
	West Penn Power
January	24%
February	27%
March	23%
April	23%
May	22%
June	23%
July	21%
August	23%
September	24%

Call-out Response

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					
2014	Total Call-Outs	Workers Accepting	Elapsed Time (Minutes)	Average Response Time per Crew Call-Out (Minutes)	Average Response Rate Per Workers Accepting (Minutes)
July	1,240	791	4,785	3.86	6.05
August	1,062	708	4,476	4.21	6.32
September	822	605	3,106	3.78	5.13
3Q Total	3,124	2,104	12,367	3.96	5.88

Total Call-outs = Total number of incidents

Workers Accepting = Total number of employees accepting work offered

Elapsed Time = 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 Rate Per Workers Accepting = Elapsed Time divided by Workers Accepting

ATTACHMENT A

Worst Performing Circuits - Reliability Indices

West Penn Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SADI IMPACT	SAIDI	CAIDI	SAIFI
1	Tri Town	Dawson	Pleasant Valley	952	11	1	1,868,966	1,399	2.62	1,963.20	1,335.93	1.47
2	Houston	McGovern	Washington	1,810	39	1	976,887	4,919	1.37	539.72	198.59	2.72
3	Franklin	South Waynesburg	Jefferson	2,109	33	1	870,265	4,178	1.22	412.64	208.3	1.98
4	Loyalhanna	Center Drive	Latrobe	1,251	31	3	868,460	6,453	1.22	694.21	134.58	5.16
5	Millheim	Woodward	State College	1,135	42	0	787,675	1,516	1.11	693.99	519.57	1.34
6	Bethel Park	Dashwood	Boyce	2,107	22	2	787,035	5,003	1.10	373.53	157.31	2.37
7	Smith	Francis Mine	McDonald	1,465	33	2	783,849	4,020	1.10	535.05	194.99	2.74
8	North Fayette	Tyre	McDonald	1,463	29	3	755,146	5,971	1.06	516.16	126.47	4.08
9	McConnellsburg	Harrisonville	McConnellsburg	1,376	30	0	751,667	2,598	1.05	546.27	289.33	1.89
10	Kittanning	Cadogan	Kittanning	1,574	21	0	718,049	3,495	1.01	456.19	205.45	2.22
11	Murrycrest	Sardis Road	Jeannette	1,483	35	2	707,018	3,851	0.99	476.75	183.59	2.6
12	Carmichaels	Carmichaels	Jefferson	1,654	19	2	703,187	3,617	0.99	425.14	194.41	2.19
13	Franklin	West Waynesburg	Jefferson	2,041	31	1	664,387	2,990	0.93	325.52	222.2	1.46
14	Smithton	Yukon	Charleoi	1,324	29	0	657,987	2,426	0.92	496.97	271.22	1.83
15	Westraver	Pittsburgh Coal	Charleoi	1,909	42	0	646,972	4,275	0.91	338.91	151.34	2.24
16	Avella	W. Middletown	Washington	1,145	45	0	629,165	2,426	0.88	549.49	259.34	2.12
17	Peters	Venetia	Boyce	1,965	15	2	628,243	4,148	0.88	319.72	151.46	2.11
18	Bethelboro	Coolspring	Uniontown	1,494	23	3	625,810	6,540	0.88	418.88	95.69	4.38
19	Galley	Waterdam	Washington	1,574	13	0	614,906	2,590	0.86	390.66	237.42	1.65
20	South Union	Fairchance	Uniontown	2,146	29	1	612,746	4,719	0.86	285.53	129.85	2.2
21	Amity	Banetown	Washington	1,495	41	0	605,850	2,447	0.85	405.25	247.59	1.64
22	Vestaburg	Fredericktown	Jefferson	858	13	1	589,986	1,701	0.83	687.63	346.85	1.98
23	Flintstone	Chaneyville	Hyndman	560	21	0	586,339	1,186	0.82	1,047.03	494.38	2.12
24	Stahlstown	Mansville	Latrobe	497	13	0	577,630	919	0.81	1,162.23	628.54	1.85
25	Henry Clay	Markeysburg	Uniontown	1,104	24	0	568,812	3,004	0.80	515.23	189.35	2.72
26	Ethel Springs	Pandora	Latrobe	1,430	27	1	553,702	3,911	0.78	387.2	141.58	2.73
27	Bethlen	Darlington	Latrobe	1,249	50	1	541,815	2,971	0.76	433.8	182.37	2.38
28	Ethel Springs	New Derry	Latrobe	1,035	32	2	538,910	2,714	0.76	520.69	198.57	2.62
29	Emmaville	Stoney Break	McConnellsburg	377	10	0	524,573	615	0.74	1,391.44	852.96	1.63
30	Vanceville	Vanceville	Charleoi	1,380	35	0	499,203	2,969	0.70	361.74	168.14	2.15

General Note:
MAIFI values are not available.

West Penn. Power												
Circuit Rank	Substation	Circuit	District	Average Customers	Outages	Lockouts	Customer Minutes	Customers Affected	SAIDI IMPACT	SAIDI	CAIDI	SAIFI
31	Howard	Jacksonville	State College	506	18	0	495,998	738	0.70	980.23	672.08	1.46
32	Atherton	South Hills	State College	1,015	31	5	494,633	5,920	0.69	487.32	83.55	5.83
33	Youngwood	Youngwood	Jeannette	1,781	23	1	493,832	3,044	0.69	277.28	162.23	1.71
34	Cecil	Bishop	Boyce	1,461	40	1	488,563	3,981	0.69	334.4	122.72	2.72
35	Kittanning	Garretts Run	Kittanning	1,208	30	2	484,042	5,568	0.68	400.7	86.93	4.61
36	Saxonburg 138kV	Butler Rd	Butler	798	6	3	477,558	3,307	0.67	598.44	144.41	4.14
37	Necessity	Ohiopyle	Uniontown	858	26	0	469,099	1,274	0.66	546.74	368.21	1.48
38	California	Malden	Charleroi	1,085	35	0	442,604	3,534	0.62	407.93	125.24	3.26
39	New Bethlehem	Climax	Clarion	1,127	18	1	441,981	2,108	0.62	392.17	209.67	1.87
40	Roundhill	Roundhill	Charleroi	881	20	1	440,717	2,015	0.62	500.25	218.72	2.29

General Note:
MAIFI values are not available.

ATTACHMENT B

Worst Performing Circuits – Remedial Actions

West PennPower					
Circuit Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
1	Tri Town	Dawson	Performance was driven by off right-of-way trees (97%) on a storm day 11/1/13.	Complete	Jun-14
			Cycle tree trimming		
2	Houston	McGovern	Performance was driven by off right-of-way trees (39%), unknown causes (23%), forced outages (22%), and line failure (12%). 36% of the outages occurred on a storm day - 6/11/13.	Complete	Jun-13
			Follow up hardware corrections as a result of hardware review		
			Cycle tree trimming		
3	Franklin	South Waynesburg	Performance was driven by off right-of-way trees (11%) and unknown causes (68%). 68% of the outages occurred on a storm day 11/1/13.		
			No additional actions are planned for 2014		
4	Loyalhanna	Center Drive	Performance was driven by unknown causes (40%), off right-of-way trees (27%), and line failure (11%). 57% of the outages occurred on a storm day - 11/1/13.	Complete	Feb-14
			Repair circuit patrol hardware issues found		
			Zone 1 circuit patrol		
5	Millheim	Woodward	Performance was driven by off right-of-way trees (91%). 39% of the outages occurred on a storm day - 11/1/2013.	Complete	Feb-14
			Zone 1 circuit patrol		
6	Bethel Park	Dashwood	Performance was driven by off right-of-way trees (39%) and line failure (60%). 55% of the outages occurred on one day - 12/23/13.	Complete	May-14
			Zone 1 circuit patrol		
7	Smith	Francis Mine	Performance was driven by off right-of-way trees (69%), line failure (15%) and unknown causes (10%). 45% of the outages occurred on one day - 8/13/14.	Complete	May-14
			Zone 1 circuit patrol		
8	North Fayette	Tyre	Performance was driven by off right-of-way trees (23%), forced outages (15%), unknown causes (15%), and equipment failure (27%).	Complete	Aug-14
			Targeted tree trimming planned to improve reliability		
9	McConnellsburg	Harrisonville	Performance was driven by off right-of-way trees(40%), equipment failure (26%), and forced outages (22%). 51% of the outages occurred on one day - 11/26/13.	Complete	Jun-14
			Zone 1 circuit patrol		
10	Kittanning	Cadogan	Performance was driven by off right-of-way trees (13%), forced outages (22%), and vehicle (61%). 53% of the outages occurred on one day - 1/6/2014.	Complete	Apr-14
			Main line tree and SAIFI hardware review		
11	Murrycrest	Sardis Road	Performance was driven by off right-of-way trees (76%). 51% of the outages occurred on a storm day - 6/11/14.	Complete	May-14
			Zone 1 circuit patrol		
12	Carmichaels	Carmichaels	Performance was driven by equipment failures (57%) and a bird (31%) causing a lockout. 62% of the outages occurred on a storm day - 11/1/13. 31% occurred on a storm day 10/12/13.	Complete	Jan-14
			Zone 1 circuit patrol		
13	Franklin	West Waynesburg	Performance was driven by unknown causes (83%). 86% of the outages occurred on a storm day - 11/1/13.	Complete	Feb-14
			Zone 1 circuit patrol		

West Penn Power					
Circuit Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
14	Smithton	Yukon	Performance was driven by off right-of-way trees (72%) and line failure (11%).		
			Cycle tree trimming	To be completed 2014	
15	Westraver	Pittsburgh Coal	Performance was driven by off right-of-way trees (56%), line failure (15%) and forced outages (17%).		
			Repair circuit patrol hardware issues found	To be completed 2014	
			Zone 1 circuit patrol	Complete	Mar-14
16	Avela	W. Middletown	Performance was driven by off right-of-way trees (67%) and line failure (15%).		
			Cycle tree trimming	To be completed 2014	
17	Peters	Venetia	Performance was driven by off right-of-way trees (65%) and unknown causes (34%).		
			Zone 1 circuit patrol	Complete	May-14
18	Bethelboro	Coolspring	Performance was driven by line failure (48%) and vehicles (25%). 46% of the outages occurred on a storm day - 11/1/13.		
			Zone 1 circuit patrol	Complete	Jan-14
19	Galley	Waterdam	Performance was driven by equipment failure (21%) and line failure (21%). 56% of the outages occurred on a storm day - 7/26/14.		
			Zone 1 circuit patrol	Complete	May-14
20	South Union	Fairchance	Performance was driven by equipment failure (20%), forced outages (49%) and line failure (16%).		
			Zone 1 circuit patrol and removed two danger trees	Complete	Jan-14
21	Amy	Banetown	Performance was driven by equipment failure (17%), off right-of-way trees (47%) and unknown causes (20%).		
			Zone 1 circuit patrol	Complete	May-14
22	Vestaburg	Fredericktown	Performance was driven by line failure (76%), and forced outages (22%). 58% of the outages occurred on a storm day - 11/1/13.		
			Cycle tree trimming	Complete	Dec-13
23	Flintstone	Chaneyville	Performance was driven by line failure (57%) and off right-of-way trees (27%).		
			Zone 1 circuit patrol	Complete	May-14
24	Stahlstown	Mansville	Performance was driven by off right-of-way trees (79%), and on right-of-way trees (19%). 96% of the outages occurred on a storm day - 11/1/13.		
			Zone 1 circuit patrol	Complete	May-14
25	Henry Clay	Markleysburg	Performance was driven by off right-of-way trees (24%), line failure (11%), forced outages (15%), and line failure (47%).		
			Zone 1 circuit patrol	Complete	May-14
26	Ethel Springs	Pandora	Performance was driven by off right-of-way trees (11%) and vehicles (67%).		
			Cycle tree trimming	Complete	Jun-14
27	Bethlen	Darlington	Performance was driven by off right-of-way trees (67%), on right-of-way trees (12%), and line failure (11%).		
			Main line SAIFI hardware review	Complete	Jun-13
			Zone 1 circuit patrol completed in 2014.	Complete	Mar-14
28	Ethel Springs	New Derry	Performance was driven by off right-of-way trees (66%) and unknown causes (22%).		
			Cycle tree trimming	Complete	Sep-14

West Penn Power					
Circuit Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
29	Emmaville	Stoney Break	Performance was driven by off right-of-way trees (14%), on right-of-way trees (85%). 84% of the outages occurred on a storm day - 7/8/2014.		
			Zone 1 circuit patrol	Complete	May-14
30	Vanceville	Vanceville	Performance was driven by forced outages (32%) and vehicles (43%).		
			Cycle tree trimming	Complete	Jul-14
31	Howard	Jacksonville	Performance was driven by off right-of-way trees (42%) and unknown causes (55%).		
			Zone 1 circuit patrol	Complete	May-14
			Cycle tree trimming	Complete	Dec-13
32	Atherton	South Hills	Performance was driven by equipment failure (32%), human error non-company (30%), and off right-of-way trees (18%).		
			Cycle tree trimming	Complete	Apr-14
33	Youngwood	Youngwood	Performance was driven by vehicle (69%) and forced outages (18%).		
			Zone 1 circuit patrol	Complete	May-14
			Cycle tree trimming	Complete	Dec-13
34	Cecil	Bishop	Performance was driven by off right-of-way trees (80%).		
			Cycle tree trimming	Complete	Dec-13
35	Kittanning	Garretts Run	Performance was driven by off right-of-way trees (55%) and forced outages (26%).		
			Zone 1 circuit patrol	Complete	May-14
36	Saxonburg 138kV	Butler Rd	Performance was driven by lightning (37%), off right-of-way trees (38%), and unknown causes (22%).		
			Zone 1 circuit patrol	Complete	Jan-14
			Cycle tree trimming	Complete	Dec-13
37	Necessity	Ohiopyle	Performance was driven by off right-of-way trees (81%). 72% of the outages occurred on one storm day - 11/1/2013.		
			Main line SAIFI hardware review	Complete	Dec-13
			Cycle tree trimming	Complete	Sep-14
38	California	Malden	Performance was driven by bird (11%), equipment failure (26%), forced outages (16%) and unknown causes (21%). 59% of the outages occurred on a storm day - 11/1/13.		
			Zone 1 circuit patrol	Complete	Jan-14
39	New Bethlehem	Climax	Performance was driven by line failure (85%).		
			Zone 1 circuit patrol performed, removed 10 danger trees.	Complete	May-14

West PennPower					
Circuit Rank	Substation	Circuit	Remedial Actions Planned or Taken	Status of Remedial Work	Date Remedial Work Completed
40	Roundhill	Roundhill	Performance was driven by off right-of-way trees (61%) and unknown causes (21%). Cycle tree trimming	Complete	Aug-14
	White Valley	Congruity	Performance was driven by line failure (29%), off right-of-way trees (25%) and unknown causes (28%). Cycle tree trimming		Oct-14
	Atherton	East Residential	Performance was driven by on right-of-way trees, line failure and forced outages. 72% of the outages occurred on one storm day - July 10, 2013. Cycle tree trimming	To be completed 2014	
	Harwick	Harmar	Performance was driven by equipment failure (70%) and off right-of-way trees (17%). Cycle tree trimming	To be completed 2014	
	Herman	Herman	Performance was driven by off right-of-way trees (76%) and forced outages (12%). Cycle tree trimming	To be completed 2014	
	Bentleyville	Jonestown	Performance was driven by off right-of-way trees (44%), line failure (14%) and vehicle (41%). Cycle tree trimming	To be completed 2014	
	Murrycrest	North Hills Road	Performance was driven by off and on right-of-way trees (88%). 33% of the outages occurred on one storm day - July 10, 2013. Cycle tree trimming	To be completed 2014	
	New Bethlehem	Clarion Rd	Performance was driven by off right-of-way trees (65%) and equipment failure (33%). 37% of the outages occurred on the storm day - July 10, 2013. Cycle tree trimming	To be completed 2014	

ATTACHMENT C

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

Item	Description	Compliance Status
2a.	<p>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.</p>	Commitment completed.
2b.	<p>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.</p> <p>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.</p>	Commitment implemented.
2c.	<p>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.</p>	Commitment completed.
3.	<p>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).</p> <p>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.</p>	Commitment completed.
4a. 1-3	<p>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:</p> <ol style="list-style-type: none"> 1) Discussion of most recent outages at PREA/AEC delivery points 2) Identification and mutual agreement of Delivery Points that serve critical services/customers (identified as those which directly affect public safety) 3) 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. 	Commitment implemented.

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

3rd Quarter 2014 Reliability Report – West :
Penn Power Company :

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PA PUBLIC UTILITY COMMISSION
SECRETARY'S BUREAU

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 § 1.54 (relating to service by a participant).

Service by first class mail, as follows:

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Dated: November 3, 2014



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