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April 30, 2014

RECEIVED

VIA UNITED PARCEL SERVICE

Rosemary Chiavetta, Secretary Pennsylvania Public Utility Commission P.O. Box 3265 Harrisburg, PA 17120 APR 3 0 2014

PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

Re: 2013 Annual Reliability Report – West Penn Power Company

Dear Secretary Chiavetta:

Pursuant to 52 Pa. Code § 57.195(a) and (b), enclosed for filing are two copies of West Penn Power Company's 2013 Annual Reliability Report. Please date-stamp the additional copy and return it in the postage-paid envelope provided.

L-00030161

Please contact me if you have any questions.

Sincerely,

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Tori L. Giesler

dlm Enclosures

- c: As Per Certificate of Service
  - D. Gill Bureau of Technical Utility Services
  - D. Searfoorce Bureau of Technical Utility Services



PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU



2013 Annual Reliability Report

West Penn Power Company

Pursuant to 52 Pa. Code § 57.195(a) and (b)

#### 2013 Annual Reliability Report West Penn Power Company Pursuant to 52 Pa. Code Chapter § 57.195(a) and (b)

The following 2013 Annual Reliability Report ("Report") is submitted to the Pennsylvania Public Utility Commission ("PaPUC" or "Commission") on behalf of West Penn Power Company ("West Penn Power").

<u>Section 57.195(b)(1)</u> An overall current assessment of the state of the system reliability in the EDC's service territory including a discussion of the EDC's current programs and procedures for providing reliable electric service.

#### Current Assessment of the State of System Reliability

West Penn Power's year end reliability results reflect the Company's ongoing commitment to operate the present system in a safe manner and to improve reliability for their customers. The Company has programs and processes in place to continually address and enhance system reliability. These programs include inspection and maintenance, such as overhead circuit, pole and capacitor inspections. West Penn Power also conducts worst performing circuit reviews, mainline hardware reviews, complete circuit coordination reviews, remote circuit monitoring, customers experiencing multiple interruption (CEMI) review and outage cause analysis trending.

In 2013, the Company instituted a danger tree program in addition to the Vegetation Management Program. The new program consists of removing or significantly reducing in height, diseased or damaged trees located outside the boundary of the right-of-way that may pose a threat to service reliability or the integrity of the line. West Penn Power also initiated zone 1 (substation to the first protective device) vegetation reviews to minimize the effects of identified danger trees on the system. Finally, a new formalized circuit lockout review program was implemented in 2013 to allow engineering to identify solutions to reduce future lockouts on circuits to improve circuit reliability.

West Penn Power's SAIDI was 14% better than the 12-month standard and CAIDI was 10% better than the 12-month standard. Further, CAIDI improved by 19% from 2012 to 2013. Weather events continue to impact circuit reliability and overall reliability performance. West Penn Power experienced 27 minor storm days in 2013 compared to the 4 year average of 23 storm days that occurred during the years 2010-2013. Specifically, the events occurring July 9-11 and November 1, 2013 resulted in a SAIFI impact of 0.17 and a SAIDI impact of 66 minutes.

#### **Reliability Results**

The table below, taken from the 4<sup>th</sup> Quarter 2013 Reliability Report, shows all reliability indices in 2013 were better than the Commission's 12-Month Standard (shown in **green**).

|                                      | · · ·       | West Penn Pow        | ver ;           |
|--------------------------------------|-------------|----------------------|-----------------|
| 12-Mo Rolling                        | Benchmark   | 12-Month<br>Standard | 12-Month Actual |
| SAIFI                                | 1.05        | 1.26                 | 1.21            |
| CAIDI                                | 170         | 204                  | 183             |
| SAIDI                                | 179         | 257                  | 222             |
| Customers Served <sup>1</sup>        | 710,379     |                      |                 |
| Number of Sustained<br>Interruptions | 11,430      |                      |                 |
| Customers Affected                   | 863,104     |                      |                 |
| Customer Minutes                     | 157,751,725 |                      |                 |

<sup>&</sup>lt;sup>1</sup> Represents the average number of customers served during the reporting period

<u>Section 57.195(b)(2)</u> A description of each major event that occurred during the year being reported on, including the time and duration of the event, the number of customers affected, the cause of the event and any modified procedures adopted to avoid or minimize the impact of similar events in the future.

# Major Events

As defined in 52 Pa. Code § 57.192, a major event is determined to have occurred 1) where 10% of West Penn Power's customers are out of service for five minutes or greater or 2) where an unscheduled interruption of electric service results from an action taken by West Penn Power to maintain the adequacy and security of the electrical system, including emergency load control, emergency switching and energy conservation procedures, affecting at least one customer. This annual report for 2013 is based on the exclusion of one major event as described in the second scenario above and is consistent with the major events reported in the second quarter report. The only major event for 2013 is as follows:

| FirstEnergy<br>Company | Customers<br>Affected  | . Time and Du   | ration of the Event     | Cause of the<br>Event  | Commission<br>Approval<br>Status |
|------------------------|------------------------|-----------------|-------------------------|------------------------|----------------------------------|
|                        |                        | Duration        | 3 hours and 30 minutes  | Transmission<br>Outage | Approved<br>August 21, 2013      |
| West Penn<br>Power     | n 2,823 Start Date/Tim | Start Date/Time | May 14, 2013<br>3:08 pm |                        |                                  |
|                        |                        | End Date/Time   | May 14, 2013<br>6:38 pm |                        |                                  |

<u>Section 57.195(b)(3)</u> A table showing the actual values of each of the reliability indices (SAIFI, CAIDI, SAIDI, and if available, MAIFI) for the EDC's service territory for each of the preceding 3 calendar years. The report shall include the data used in calculating the indices, namely the average number of customers served, the number of sustained customer minutes interruptions, the number of customers affected and the minutes of interruption. If MAIFI values are provided, the number of customer momentary interruptions shall also be reported.

### **Reliability Indices**

For the purposes of this report, all reliability reporting is based upon the PaPUC's definitions for "major events" (outage data excluded as a result of major events).<sup>2</sup>

| Historic 12-Month Rolling Reliability Indices |                               |             |             |             |  |
|---|-------------------------------|-------------|-------------|-------------|--|
|   | Index                         | 2011        | 2012        | 2013        |  |
|   | SAIFI                         | 1.40        | 1.07        | 1.21        |  |
|   | CAIDI                         | 151         | 226         | 183         |  |
| West Penn                                     | SAIDI                         | 211         |             | 221         |  |
| Power   | Customer Minutes              | 151,157,755 | 170,498,704 | 157,751,725 |  |
|   | Customers Affected            | 999,988     | 753,301     | 863,104     |  |
| [   | Customers Served <sup>3</sup> | 715,738     | 706,261     | 710,379     |  |

| 36;Month                 | West Penn Power      |                    |  |
|--------------------------|----------------------|--------------------|--|
| Rolling<br>Year-End 2013 | 36-Month<br>Standard | 36-Month<br>Actual |  |
| SAIFI                    | 1.16                 | 1.234              |  |
| CAIDI                    | 187                  | 187                |  |
| SAIDI                    | 217                  | 2254               |  |

<sup>&</sup>lt;sup>2</sup> MAIFI values are not available

<sup>&</sup>lt;sup>3</sup> Represents the average number of customers served during the reporting period

<sup>&</sup>lt;sup>4</sup> West Penn Power's higher-than-normal SAIFI and SAIDI performance for the 36-month period is directly attributed to 24 minor storm days that occurred in 2011 contributing 0.53 to SAIFI and 121 minutes to SAIDI, two non-excludable storm events in 2012 including Derecho and Hurricane Sandy that contributed 0.15 to SAIFI and 85 minutes to SAIDI and 27 minor storm days that contributed 0.52 to SAIFI and 137 minutes to SAIDI in 2013.

Submitted Pursuant to 52 Pa. Code § 57.195(a) and (b)

<u>Section 57.195(b)(4)</u> A breakdown and analysis of outage causes during the year being reported on, including the number and percentage of service outages, the number of customers interrupted, the 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<sup>s</sup>

| Outages by Cause                     |                     |   |                       |                                    |
|--------------------------------------|---------------------|---|-----------------------|------------------------------------|
| 4th Quarter 2013<br>12-Month Rolling | West Penn Power     |   |                       |                                    |
| Cause                                | Customer<br>Minutes | Number of<br>Sustained<br>Interruptions | Customers<br>Affected | % Based on<br>Number of<br>Outages |
| EQUIPMENT FAILURE                    | 26,334,683          | 2,335                                   | 175,741               |                                    |
|                                      | 16,443,556          | 1,856                                   | 106,987               |                                    |
| TREES OFF ROW-TREE                   | 49,962,288          | 1,524                                   | 135,965               | 13.33%                             |
| FORCED OUTAGE                        | 13,286,903          | 1,267                                   | 163,291               | 11.08%                             |
|                                      | 17,925,397          | 1,045                                   | 76,169                | 9.14%                              |
| ANIMAL                               | 2,664,483           | 1022                                    | 28,191                | 8.94%                              |
| TREES/NOT PREVENTABLE                | 8,985,043           | 624                                     | 42,526                | 5.46%                              |
| VEHICLE                              | 5,724,060           | 350                                     | 44,732                | 3.06%                              |
| TREES OFF ROW-LIMB                   | 5,390,579           | 335                                     | 28,393                | 2.93%                              |
| TREES ON ROW                         | 4,505,225           | 264                                     | 15,425                | 2.31%                              |
| TREES - SEC/SERVICE                  | 218,306             | 212                                     | 521                   | 1.85%                              |
| BIRD                                 | 471,053             | 209                                     | 4,304                 | 1.83%                              |
| LIGHTNING                            | 2,907,124           | 140                                     | 15,967                | 1.22%                              |
| HUMAN ERROR -NON-COMPANY             | 906,071             | 88                                      | 9,004                 | 0.77%                              |
| UG DIG-UP                            | 81,061              | 34                                      | 493                   | 0.30%                              |
| HUMAN ERROR - COMPANY                | 274,849             |   | 6,472                 | 0.22%                              |
| TREES/PREVENTABLE                    | 72,508              | 18                                      | 413                   | 0.16%                              |
| OBJECT CONTACT WITH LINE             | 61,986              | 15                                      | 205                   | 0.13%                              |
| OVERLOAD                             | 433,295             | 13                                      | 3,420                 | 0.11%                              |
| VANDALISM                            | 22,740              | 13                                      |                       | 0.11%                              |
| CUSTOMER EQUIPMENT                   | 133,940             | 12                                      | 155                   | 0.10%                              |
| FIRE                                 | 35,003              | 9                                       | 148                   | 0.08%                              |
| OTHER ELECTRIC UTILITY               | 683,771             | 6                                       | 3,178                 | 0.05%                              |
| PREVIOUS LIGHTNING                   | 137,787             | 4                                       | 798                   | 0.03%                              |
| SWITCHING ERROR                      | 16,516              | 4                                       | 205                   | 0.03%                              |
| CONTAMINATION                        | 1,425               | 2                                       | 9                     | 0.02%                              |
| WIND                                 | 47,765              | 2                                       | 19                    | 0.02%                              |
|                                      | 118                 | 1                                       | 1                     | 0.01%                              |
| OTHER UTILITY-NON ELEC               | 24,190              | 1                                       | 295                   | 0.01%                              |
| Tiotal Research and the solution     | 157,751,725         | 11,430                                  | 863,104               | 100100%                            |

<sup>&</sup>lt;sup>5</sup>In May 2013, new outage cause codes were added to help better categorize tree related outages. Definitions of these codes are as follows: Trees On ROW - An outage caused by tree that has grown into or contacted a West Penn Power primary within the distribution clearing zone Trees Off ROW-Tree - An outage caused by tree that has fallen into a West Penn Power primary outside the distribution clearing zone Trees Off ROW-Limb - An outage caused by tree limb that has fallen into a West Penn Power primary outside the distribution clearing zone Trees - Sec/Service - An outage caused by tree that has grown into or contacted a West Penn Power secondary or service.

#### 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 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, continuing throughout 2013.

Submitted Pursuant to 52 Pa. Code § 57,195(a) and (b)

<u>Section 57.195(b)(5)</u> A list of the major remedial efforts taken to date and planned for circuits that have been on the worst performing 5% of circuits list for a year or more.

# Worst Performing Circuits – Remedial Actions

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

<u>Section 57.195(b)(6)</u> A comparison of established transmission and distribution inspections and maintenance goals/objectives versus actual results achieved during the year being reported on. Explanations of any variances shall be included.

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| Inspection and Maintenance<br>2013 |                           | West Penn Power |                            |
|------------------------------------|---------------------------|-----------------|----------------------------|
| L<br>[                             |                           | Planned         | Completed                  |
| Farada                             | Transmission (Miles)      | 513.30          | 509.40 <sup>6</sup>        |
| Forestry                           | Distribution (Miles)      | 4,482           | 4,482                      |
| Tranamiaaian                       | Aerial Patrols            | 2               | 2                          |
| Transmission                       | Groundline                | 0               | 0                          |
|                                    | General Inspections       | 5,070           | 5,070                      |
| Substation                         | Transformers              | 405             | 547                        |
| Substation                         | Breakers                  | 210             | 485                        |
|                                    | Relay Schemes             | 133             | 159                        |
|                                    | Capacitors                | 1,332           | 1,332                      |
| Distribution                       | Poles                     | 38,701          | 45,660                     |
|                                    | Reclosers                 | 3,799           | 3,799                      |
|                                    | Radio-Controlled Switches | ,               | Power has no led switches. |

## T&D Inspection and Maintenance Program

General Note:

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Unless specified otherwise, all inspections are reported on a unit basis rather than on a location basis.

<sup>&</sup>lt;sup>6</sup> 3.9 miles were unable to be completed in 2013 due to restricted access resulting from flooding (1.39 miles) and 17 refusals (2.51 miles). 3.33 of the 3.9 miles have been completed in 2014 leaving .57 miles to be completed from 3 of the refusals.

<u>Section 57.195(b)(7)</u> A comparison of budgeted versus actual transmission and distribution operation and maintenance expenses for the year being reported on in total and detailed by the EDC's own functional account code of FERC account code as available. Explanations of any variances shall be included.

| West Penn Power<br>T&D O&M (YTD December 2013) (\$) |  |             |            |            |       |
|---|--|-------------|------------|------------|-------|
|   | Category   | YTD Actuals | YTD Budget | Variance % | Notes |
| Transm  | ission   |             |            |            | _     |
| 560   | Operation Supervision and Engineering                        | 160         | 0          | 100%       | 1     |
| 561   | Load Dispatching   | 577,986     | 2,918,008  | -80%       | 2     |
| 562   | Station Expenses   | 259,926     | 2,898,094  | -91%       | 3     |
| 563   | Overhead Lines Expenses                                      | 46,193      | 0          | 100%       | 4     |
| 565   | Transmission of Electricity by Others                        | 24,993,079  | 24,306,181 | 3%         |       |
| 566   | Miscellaneous Transmission Expenses                          | 160,883     | 194,763    | -17%       | 5     |
| 567   | Rents  | 2,723       | 2,867      | -5%        |       |
| 568   | Maintenance Supervision and<br>Engineering                   | 77,480      | 1,096,662  | -93%       | 6     |
| 569   | Maintenance of Structures                                    | 55,174      | 275,970    | -80%       | 7     |
| 570   | Maintenance of Station Equipment                             | 1,681,526   | (33,305)   | -5149%     | 8     |
| 571   | Maintenance of Overhead Lines                                | 6,332,766   | 864,563    | 632%       | 9     |
| 572   | Maintenance of Underground Lines                             | 12,854      | 0          | 100%       | 10    |
| 575   | Market Administration, Monitoring and<br>Compliance Services | 45,126      | 45,000     | 0%         |       |
| Transmi   | ission Total   | 34,245,875  | 32,568,804 |            |       |
| Distribu  | tion   |             |            |            |       |
| 580   | Operation Supervision and Engineering                        | 679,859     | 433,774    | 57%        | 11    |
| 581   | Load Dispatching   | 1,200,038   | 1,298,802  | -8%        |       |
| 582   | Station Expenses   | 1,019,569   | 821,743    | 24%        | 12    |
| 583   | Overhead Line Expenses                                       | 989,563     | 341,463    | 190%       | 13    |
| 584   | Underground Line Expenses                                    | 1,027,062   | 870,000    | 18%        | 14    |
| 586   | Meter Expenses   | 889,828     | 940,886    | -5%        |       |
| 588   | Miscellaneous Distribution Expenses                          | 9,715,406   | 6,848,491  | 42%        | 15    |
| 590   | Maintenance Supervision and<br>Engineering                   | 381,060     | 554,657    | -31%       | 16    |
| 592   | Maintenance of Station Equipment                             | 2,823,275   | 3,195,787  | -12%       | 17    |
| <u>593</u>  | Maintenance of Overhead Lines                                | 14,573,300  | 22,015,105 | -34%       | 18    |
| 594   | Maintenance of Underground Lines                             | 929,578     | 795,209    | 17%        | 19    |
| 596   | Maintenance of Street Lighting and<br>Signal Systems         | 953,199     | 394,282    | 142%       | 20    |
| 597   | Maintenance of Meters  | 1,405,578   | 1,397,314  |            |       |
| 598   | Maintenance of Miscellaneous Distribution Plant              | 336,013     | 1,596,881  | -79%       | 21    |
|   | ion Total  | 36,923,328  | 41,504,393 |            |       |
| Nest Pe   | nn Rower Grand hotal   | 711169:203  | 74 073 197 |            |       |

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

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| Varia | nce Explanations (Variances 10% or greater):   |
|-------|--|
|       | Current budgeting practices do not budget directly to FERC accounts. FirstEnergy budgets to different cost             |
| 1     | collectors, which settle to FERC accounts. Actual settlements to these FERC accounts are relatively immaterial         |
|       | amounts.   |
| 2     | Under budget due to labor required to perform the work being less than planned.  |
| 3     | Under budget due to internal labor and fleet requirements for the work being less than anticipated.                    |
| 4     | Over budget due to service company costs for contractors related to the subtransmission reliability program being      |
| 4     | greater than planned.  |
| 5     | Under budget due to labor requirements for the work being less than planned.   |
| 6     | Under budget due to lower supervision and engineering costs than planned.  |
| 7     | Under budget due to lower Information Technology (IT) costs than anticipated.  |
| 8     | Over budget due to internal labor required to complete this work which was not budgeted to this FERC account.          |
| 9     | Over budget due to vegetation management costs being greater than planned.   |
| 10    | Over budget due to labor costs being greater than planned.   |
| 11    | Over budget due to service company costs for labor contingency planning being greater than anticipated.                |
| 12    | Over budget due to labor requirements for the work being greater than planned.   |
| 13    | Over budget due to greater overhead line preventative maintenance than planned.  |
| 14    | Over budget due to greater underground locating work .   |
| 15    | Over budget due to company vehicle and contractor costs being greater than planned, partially offset by internal labor |
| 15    | and materials being less than planned.   |
| 16    | Under budget due to lower labor for distribution maintenance supervision and engineering than planned.                 |
| 17    | Under budget due to lower distribution maintenance of station equipment than planned.                                  |
| 18    | Under budget due to lower storm and vegetation management contractor costs than planned.                               |
| 19    | Over budget due to higher than planned maintenance of underground cable than planned.                                  |
| 20    | Over budget due to labor requirements for the work being greater than planned.   |
| 21    | Under budget due to lower Information Technology (IT) billings than anticipated.                                       |

<u>Section 57.195(b)(8)</u> A comparison of budgeted versus actual transmission and distribution operation and maintenance capital expenses for the year being reported on in total and detailed by the EDC's own functional account code or FERC account code as available. Explanations of any variances 10% or greater shall be included.

# Budgeted vs. Actual T&D Capital Expenditures

| West Penn Power<br>T&D Capital (YTD December 2013) (\$) |             |             |            |       |  |
|---|-------------|-------------|------------|-------|--|
| Category  | YTD Actuals | YTD Budget  | Variance % | Notes |  |
| Capacity  | 3,771,657   | 6,509,414   | -42%       | 1     |  |
| Condition   | 5,200,622   | 7,358,313   | -29%       | 2     |  |
| Facilities  | 646,705     | 173,124     | 274%       | 3     |  |
| Forced  | 22,738,897  | 24,885,963  | -9%        |       |  |
| Meter Related   | 2,190,501   | 1,949,692   | 12%        | 4     |  |
| New Business  | 18,012,086  | 14,822,122  | 22%        | 5     |  |
| Other   | 11,769,994  | 19,375,572  | -39%       | 6     |  |
| Reliability   | 3,562,605   | 14,282,823  | -75%       | 7     |  |
| Street Light  | 794,806     | 1,282,956   | -38%       | 8     |  |
| Tools and Equipment                                     | 3,186,457   | 3,611,308   | -12%       | 9     |  |
| Vegetation Management                                   | 30,969,293  | 25,987,100  | 19%        | 10    |  |
| West Penni Power Total                                  | 102,843,623 | 120,238,387 |            | Ĭ     |  |

| Va | riance Explanations (Variances of 10% or greater):  |
|----|---|
| 1  | Under budget due to timing differences in several construction projects.  |
| 2  | Under budget due to unscheduled overhead and underground repairs and substation condition work being lower than<br>budget.  |
| 3  | Over budget due to more facilities work being performed than budgeted.  |
| 4  | Over budget due to higher meter exchanges than budgeted.  |
| 5  | Over budget due to new residential, commercial and industrial business being over budget.   |
| 6  | Under budget due to lower overhead costs and lower transmission line corrective maintenance than budgeted, partially offset by building and facilities improvements higher than budget.   |
| 7  | Under budget due to lower cost of reliability-related technology projects than budgeted and projects anticipated during the budgeting process which did not materialize, partially offset by higher than planned charges to a project addressing facilities clearances. |
| 8  | Under budget due to lower mercury vapor replacement charges than budgeted.  |
| 9  | Under budget due to lower Information Technology (IT) project costs than budgeted.  |
|    | Over budget due to both vegetation management planned-transmission and vegetation management planned-<br>distribution costs being greater than planned.   |

Submitted Pursuant to 52 Pa. Code § 57.195(a) and (b)

<u>Section 57.195(b)(9)</u> Quantified transmission and distribution inspection and maintenance goals/objectives for the current calendar year detailed by system area (that is, transmission, substation and distribution).

T&D Inspection & Maintenance Programs – 2014 Goals / Objectives

| Program/Project West Penn Power |   |  |  |
|---------------------------------|---|--|--|
| Program/Project                 | west Penn Power                                     |  |  |
| Forestry                        |   |  |  |
| Transmission (Miles)            | 166.62  |  |  |
| Distribution (Miles)            | 4,506   |  |  |
| Transmission                    |   |  |  |
| Aerial Patrols                  | 2   |  |  |
| Wood Pole Groundline            | 0   |  |  |
| Substation                      |   |  |  |
| General Inspections             | 5,880   |  |  |
| Transformers                    | 608   |  |  |
| Breakers                        | 501   |  |  |
| Relay Schemes                   | 160   |  |  |
| Distribution                    |   |  |  |
| Capacitors                      | 1,310   |  |  |
| Poles                           | 54,900  |  |  |
| Reclosers                       | 3,789   |  |  |
| Radio-Controlled Switches       | West Penn Power has no<br>radio-controlled switches |  |  |

<u>Section 57.195(b)(10)</u> Budgeted transmission and distribution operation and maintenance expenses for the current year in total and detailed by the EDC's own functional account code or FERC account code as available.

2014 T&D O&M Budget<sup>7</sup>

|         | West Penn Power<br>T&D O&M - Annual 2014 (\$)                       | ···           |
|---------|---|---------------|
| <u></u> | Category  | Annual Budget |
| Tran    | smission  | ·             |
| 561     | Load Dispatching  | 2,133,581     |
|         | Station Expenses  | 1,913,851     |
|         | Transmission of Electricity by Others                               | 27,481,224    |
|         | Miscellaneous Transmission Expenses                                 | 271,032       |
|         | Maintenance Supervision and Engineering                             | 417,316       |
| 569     | Maintenance of Structures   | 227,646       |
| 570     | Maintenance of Station Equipment                                    | 340,036       |
| 571     | Maintenance of Overhead Lines                                       | 1,946,687     |
| 575     | Market Administration, Monitoring and Compliance Services           | 23,360        |
|         | smission Total  | 34,754,735    |
| Distr   | ibution   |               |
| 580     | Operation Supervision and Engineering                               | 453,940       |
| 581     | Load Dispatching  | 1,074,225     |
| 582     | Station Expenses  | 1,210,387     |
| 583     | Overhead Line Expenses  | 1,364,428     |
| 584     | Underground Line Expenses   | 974,363       |
| 586     | Meter Expenses  | 754,590       |
| 588     | Miscellaneous Distribution Expenses                                 | 8,521,377     |
|         | Maintenance Supervision and Engineering                             | 379,123       |
| 592     | Maintenance of Station Equipment                                    | 3,665,101     |
| 593     | Maintenance of Overhead Lines                                       | 15,032,288    |
| 594     | Maintenance of Underground Lines                                    | 668,242       |
|         | Maintenance of Street Lighting and Signal Systems                   | 821,803       |
| 597     | Maintenance of Meters   | 1,552,690     |
|         | Maintenance of Miscellaneous Distribution Plant                     | 1,272,025     |
| Distr   | ibution Total   | 37,744,583    |
| West    | Penn Power Notal The Lorenza and Anna Anna Anna Anna Anna Anna Anna | 7/2,499,31174 |

<sup>&</sup>lt;sup>7</sup> Budgets are subject to change

<u>Section 57.195(b)(11)</u> Budgeted transmission and distribution capital expenses for the current year in total and detailed by the EDC's own functional account code or FERC account code as available.

# 2014 T&D Capital Budget<sup>8</sup>

| West Penn Power<br>T&D Capital - 2014 (\$) |               |  |
|--|---------------|--|
| Category                                   | Annual Budget |  |
| Capacity                                   | 15,490,510    |  |
| Condition                                  | 8,056,231     |  |
| Facilities                                 | 1,114,559     |  |
| Forced                                     | 25,700,580    |  |
| Meter Related                              | 2,454,625     |  |
| New Business                               | 22,788,586    |  |
| Other                                      | 21,130,494    |  |
| Reliability                                | 3,998,820     |  |
| Street Light                               | 665,577       |  |
| Tools and Equipment                        | 1,613,460     |  |
| Vegetation Management                      | 31,730,252    |  |
| West Penn Power Trotal                     | 134,743,695   |  |

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<sup>&</sup>lt;sup>8</sup> Budgets are subject to change

<u>Section 57,195(b)(12)</u> Significant changes, if any, to the transmission and distribution maintenance programs previously submitted to the Commission.

## Changes to T&D Maintenance Programs

West Penn Power continues to review its inspection and maintenance practices to confirm that they are consistent with industry standards and that they support the achievement of the applicable Commission approved reliability benchmarks and standards. There were no significant revisions made to the inspection and maintenance practices in 2013.

# ATTACHMENT A

# Worst Performing Circuits - Remedial Actions

# RECEIVED

## APR 3 0 2014

PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU

| West Penn  | Power    |  |                                      |                                 |
|------------|----------|--|--------------------------------------|---------------------------------|
| Substation | Circuit  | Remedial Action Planned or Taken                               | Status of Remedial Work<br>Completed | Date Remedial Work<br>Completed |
| Houston    | Mcgovern | 91% of the CMI was due to non-preventable trees.               |                                      |                                 |
|            |          | Zone 1 danger tree work  | Complete                             | Dec-12                          |
|            |          | Follow up hardware corrections as a result of hardware review. | Complete                             | Jun-13                          |
|            |          | Cycle tree trimming.   | To be completed 2014                 |                                 |
| Necessity  | Ohiopyle | 87% of the CMI was due to non-preventable trees.               |                                      | <u> </u>                        |
|            |          | Circuit reviewed for main line hardware issues.                | Complete                             | Nov-12                          |
|            |          | Mainline SAIFI hardware review completed.                      | Complete                             | <br>Dec-13                      |
|            |          | Cycle tree trimming.   | To be completed 2014                 |                                 |

#### BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

2013 Annual 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 § 1.54 (relating to service by a participant).

Service by first class mail, as follows:

John R. Evans 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: April 30, 2014

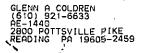
di Died

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



APR 3 0 2014

PA PUBLIC UTILITY COMMISSION SECRETARY'S BUREAU Counsel for West Penn Power Company

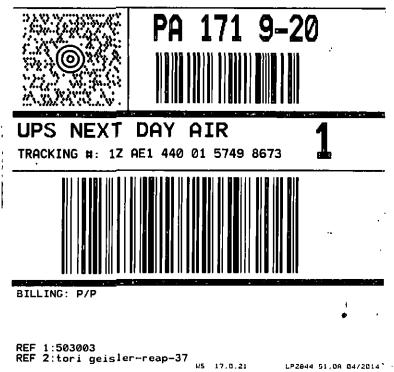




SHIP TO:

APR 3 0 2014

ROSEMARY CHIAVETTA, SECRETARY PA PUBLIC UTILITY COMMISSIONBLIC UTILITY COMMISSION 2ND FLOOR SECRETARY'S BUREAU COMMONWEALTH KEYSTONE BUILDING 400 NORTH STREET HARRISBURG PA 17120-0079



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