

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Annual Report of  
AEP Ohio Transmission Company  
Pursuant to Rule 26 of the Electric  
Service and Safety Standards, Ohio  
Administrative Code 4901:1-10-26

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Case No. 13-996-EL-ESS

ANNUAL REPORT  
OF THE AEP OHIO TRANSMISSION COMPANY COMPANY

Pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio, Administrative Code 4901:1-10-26, AEP Ohio Transmission Company ("CSP") submits the following Annual Report. The Report is attached.

We/I certify that the following Report accurately and completely reflects the Annual Report requirements pursuant to Rule 26 of the Electric Service and Safety Standards, Ohio, Administrative Code 4901:1-10-26

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N/A, N/A  
Responsible For Distribution Reporting

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Date

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Lisa Barton, Executive Vice President AEP Transmission  
Responsible For Transmission Reporting

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Date

**Report Date & Time: March 28, 2013 2:14 pm**

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years)**

| a.                                                                                | b.                                        | c.                                                                                                                                | d.                                    | e.                                    | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                    | Portion of service territory effected | Characteristics of territory effected | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2005-004                                                                       | T                                         | Retire the 69 kV system in the area, which is approximately 90 years old, and transfer the load to a more reliable 138 kV system. | Athens subtrans mission area          | This is a load area of about 400 MW.  | 80,000,000                        | 06/01/2011                               | 03/01/2016              |                        |

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2012  
Electric Service And Safety Standards**

**1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...**

Continued ...

| a.                                                                                | b.                                        | c.                                                                                                                                        | d.                                                                                                                       | e.                                    | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                            | Portion of service territory effected                                                                                    | Characteristics of territory effected | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2005-059                                                                       | T                                         | Construct 138/69 kV station to reinforce Lick-Pedro 69 kV line. Upgrade GOABs to MOABs with SCADA. Upgrade 138 kV CB's at Millbrook Park. | The 69 kV areas between Lick and Millbrook Park stations and the 138 kV areas between Gavin and Millbrook Park stations. | This is a load area of about 50 MW.   | 25,000,000                        | 06/01/2012                               | 06/30/2014              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...  
Continued ...

| a.                                                                                | b.                                        | c.                                                                                                                                                                                                                             | d.                                    | e.                                                            | f.                                | g.                                       | h.                      | i.                     |
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| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                                                                                                                 | Portion of service territory effected | Characteristics of territory effected                         | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2005-151                                                                       | T                                         | New 765/345 kV Vassell Station with 4-750 MVA single phase transformers with a position for a switchable spare. A 345 & 138 kV station with three 345 kV lines & one 138 kV line plus other Columbus Area 138 kV Improvements. | Central Ohio.                         | Transmissio<br>n Grid impacting over 4,000 MW's of peak load. | 186,000,000                       | 06/01/2010                               | 05/01/2014              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

**1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...**

Continued ...

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| TP-2006-107                                                                       | T                                         | Construct 345/138/69 kV station with 2-138 kV outlets and 2-69 kV outlets. Solve loading and low voltage issues under contingency conditions. Convert 1-69/12 kV station to 138/12 kV. Install various 345 kV, 138 kV, and 69 kV breakers to improve area reliability. | This project will reinforce the 138 and 69 kV systems in the southern Ohio area. | This is a load area of about 800 MW.  | 100,000,000                       | 02/01/2012                               | 06/01/2017              |                        |

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2012  
Electric Service And Safety Standards**

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...  
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| TP-2007-020                                                                       | T                                         | Install 138/69 kV 130 MVA transformer and Loop Lincoln & Park Substations with about 20 miles of new 69 kV line. | Delaware, Ohio.                       | Approximately 30 MVA.                 | 34,000,000                        | 05/01/2010                               | 12/01/2016              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2007-122                                                                       | T                                         | Enhance the reliability of the system in the Mount Vernon and Newark area by enhancing the protection system, replacing obsolete equipment and increasing the capacity of the transmission system. | Mount Vernon and Newark Area improvements | This is a load area of about 200 MW.  | 46,000,000                        | 06/01/2009                               | 06/01/2015              |                        |

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2012  
Electric Service And Safety Standards**

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| TP-2007-153                                                                       | T                                         | Convert 34.5 kV subtransmission area to 69 kV at Millbrook Park, Tenth & Offenere, Scioto Trail (OP), and Central Portsmouth stations.                    | This project will impact the 34.5 kV area of Portsmouth h Ohio. | This is a load area of about 40 MW.              | 22,000,000                        | 01/01/2011                               | 12/01/2013              |                        |
| TP-2008-024                                                                       | T                                         | This project includes rebuilding 5.96 miles of 138 kV line between Sterling and Rockhill Station which will alleviate future overloads identified by PJM. | Lima area.                                                      | Commercial, Industrial, and Rural Areas in Lima. | 13,051,700                        | 08/27/2010                               | 06/01/2013              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2008-081                                                                       | T                                         | Install 345 kV CB's in West Millersport Station to mitigate a tower outage contingency violation - Islands 345/138 kV transformer and overloads other. RTEP approved. Install 138 kV Line into Gahanna Substation to alleviate PJM identified 138 kV contingenc | West Millersport and Eastern Columbus, and Hebron Area | Could impact more than 400 MW's of customer load, Industrial, Commercial and Residential | 32,000,000                        | 03/25/2010                               | 12/01/2013              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2009-120                                                                       | T                                         | Un-six-wire the Hyatt - Sawmill 138 kV circuit and install 138 kV station terminal equipment to establish two Hyatt - Sawmill 138 kV circuits including circuit breakers. | Northwest Columbus area.              | Approximately 400 MW                  | 8,000,000                         | 04/01/2012                               | 06/01/2014              |                        |
| TP-2009-134                                                                       | T                                         | Install a new 69 kV line (6 miles) into West Jefferson to alleviate forecasted 40 kV system overloads w/ Battelle & J.I. Load Increases.                                  | West Jefferson, Ohio.                 | Approximately 25 MVA                  | 13,000,000                        | 01/01/2011                               | 06/01/2013              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2009-135                                                                       | T                                         | Construct new 69kV Switch station to reduce line exposure of Dennison-Miller Switch 69kV line. Add capacitor bank to provide voltage support. Part of the Carrolton Improvements Project. | The project will reinforce the 69kV system in the Dennison Area | This is a load area of about 40 MW.   | 6,500,000                         | 04/01/2011                               | 10/01/2013              |                        |
| TP-2009-172                                                                       | T                                         | Reconductor the Bixby - Three C - Groves, and the Bixby - Groves 138 kV double circuit lines. Reconductor the Bexley - Groves 138 kV circuit.                                             | Southeast Columbus area.                                        | Approximately 400 MVA                 | 9,000,000                         | 02/25/2010                               | 06/01/2014              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2009-174                                                                       | T                                         | Rebuild 19 miles of 138 kV line forecasted to overload by 2014. | Southwest Columbus & Lancaster        | Approximately 140 MVA                 | 12,500,000                        | 05/01/2010                               | 05/01/2014              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2010-110                                                                       | T                                         | Create a 138 kV route from Hillsboro station through Highland station to Seaman station via construction / reconfiguration / voltage conversion in order to close the 138 kV loop. Alleviate the voltage drop issues experienced in this area due. | This project will reinforce the 138 systems in the southern Ohio area. | This is a load area of about 800 MW.  | 30,000,000                        | 03/01/2013                               | 12/31/2015              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2010-143                                                                       | T                                         | Construct Cole 345/138/69 kV station along the Beatty - Hayden 345 kV line. Establish 138 kV loop from Cole to Amlin utilizing the vacant tower position on the Beatty - Hayden 345 kV line. Create 69 kV loop between Trabue - Battelle - Blair - Cole, and | Columbus area.                        | Approximately 4500 MW                 | 90,000,000                        | 01/01/2013                               | 12/01/2016              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2010-150                                                                       | T                                         | Construct 138 kV switch station on Waverly-Adams-Seaman 138 kV line to serve new Buckeye Power delivery point. | This project will impact the Waverly-Adams-Seaman 138 kV line between Waverly station and Seaman station. | This is a load area of about 80 MW.   | 3,000,000                         | 02/01/2012                               | 12/01/2012              |                        |

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AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2011-027                                                                       | T                                         | Install 2-345kV 63kA breaker on the Tangy (O.E.) line, upgrade the line relay and bus differential #1 upgrades. This will eliminate the existing (O.E.) line connection directly to 345kV Bus #1 and it will improve the reliability of the system in case of a line fault or a bus fault. | Western, OH Marysville                | Enhancing the reliability of tie lines with First Energy. | 2,615,000                         | 12/04/2012                               | 12/31/2014              |                        |

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Rule #26  
2012  
Electric Service And Safety Standards**

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| TP-2011-039                                                                       | T                                         | Replace existing 138 kV breakers and upgrade existing 138 kV station structures/configuration at Millbrook Park in order to improve reliability and prepare for future needs. | This project will impact the 138 kV areas of southern Ohio, especially in the Portsmouth, Ohio area. | This is a load area of about 800 MW.  | 10,000,000                        | 12/01/2013                               | 06/01/2017              |                        |

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Electric Service And Safety Standards**

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| TP-2011-046                                                                       | T                                         | Establish 69 kV service to Jefferson Industries by converting the the existing West - Jefferson Industries circuit from 40 kV to 69 kV and building a portion of new 69 kV line. | West Jefferson, Ohio                                                     | Approximately 25 MVA                        | 2,000,000                         | 03/01/2012                               | 06/01/2013              |                        |
| TP-2011-084                                                                       | T                                         | Construct new 69kV Switchstation to serve Aleris Rolled Products located in Newport, Ohio                                                                                        | This project will impact the existing Newcome rstown-Dennison 69kV line. | This is a load area of approximately 31 MW. | 4,000,000                         | 05/01/2011                               | 11/01/2012              |                        |

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| TP-2011-086                                                                       | T                                         | Rebuild the Jug - Kirk 345 kV line with a 345 & 138 kV double circuit mono pole line.                                                                                          | New Albany to Pataskala , Ohio.       | Approximately 100 MVA                 | 57,000,000                        | 06/01/2011                               | 12/01/2014              |                        |
| TP-2012-019                                                                       | T                                         | Establish Amlin Station in the Dublin Ohio industrial park area. Build a 138 kV line from Hyatt station utilizing the vacant tower position on the Hayden - Hyatt 345 kV line. | Dublin, Ohio area.                    | Approximately 75 MVA                  | 19,000,000                        | 01/01/2012                               | 06/01/2014              |                        |

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| TP-2012-038                                                                       | T                                         | Construct 69kV station to serve Markwest Energy's gas processing plant located in Cadiz, Ohio.             | This project will affect the South Cadiz-Co nsolidatio n Coal 69kV line. | This is a load area of about 45 MW.         | 10,000,000                        | 01/01/2012                               | 01/31/2013              |                        |
| TP-2012-041                                                                       | T                                         | Construct new 69kV station to serve M3 Midstream Energy's gas processing facility located in Scioto, Ohio. | This project will affect the Dennison-Miller Switch 69kV line.           | This is a load area of approximately 40 MW. | 8,000,000                         | 02/01/2012                               | 06/01/2013              |                        |

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| TP-2012-094                                                                       | T                                         | Construct A 138 kV station to serve Markwest's Processing Plant. | This project will impact the existing Summerfield - Muskingum River 138 kV line. | The load in area is close to 50 MW.   | 9,300,000                         | 11/01/2012                               | 08/01/2013              |                        |

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| TP-2012-104                                                                       | T                                         | Install SCADA control on targeted equipment for improved reliability. Upgrade strategic protective 138 and 69 kV devices. | This project will have a positive reliability impact on the 138, 69, and 12 kV systems in the south central Ohio area. | This area of the system is remote from any staffed locations and could greatly benefit from switching devices being operated remotely. | 10,000,000                        | 06/01/2013                               | 12/31/2016              |                        |

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Electric Service And Safety Standards**

**1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...**

Continued ...

| a.                                                                                | b.                                        | c.                                                                                                                                                                               | d.                                    | e.                                                                                                                     | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                                                                   | Portion of service territory effected | Characteristics of territory effected                                                                                  | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2012-111                                                                       | T                                         | AEP and ATSI 2015 Generation retirements flagged overloads in the Coshocton area and vicinity for which system improvements need to be implemented to alleviate such conditions. | Coshocton Area and vicinity           | Coal-fired generating unit retirements in Ohio by 2015 will cause transmission system overloads in the Coshocton area. | 15,000,000                        | 11/01/2012                               | 12/31/2016              |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...

Continued ...

| a.                                                                                | b.                                        | c.                                                                                                                                                                          | d.                                    | e.                                                                                                                     | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                                                              | Portion of service territory effected | Characteristics of territory effected                                                                                  | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2012-118                                                                       | T                                         | AEP and ATSI 2015 Generation retirements flagged overloads in the Southeastern Ohio area for which system improvements need to be implemented to alleviate such conditions. | Southeastern Ohio area                | Coal-fired generating unit retirements in Ohio by 2015 will cause transmission system overloads in the Coshocton area. | 200,000,000                       | 11/01/2012                               | 12/31/2016              |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...  
Continued ...

| a.                                                                                | b.                                        | c.                                                                                                                                                         | d.                                                                | e.                                                                                       | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                                             | Portion of service territory effected                             | Characteristics of territory effected                                                    | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2012-125                                                                       | T                                         | Multiple sag studies that will increase the rating on multiple circuits.<br>Reconductor Kammer-West Bellaire 345kV Circuit with higher capacity conductor. | This project will impact multiple lines in the Eastern Ohio area. | The affected lines do not have enough capacity due to sag limitations or are undersized. | 30,000,000                        | 06/01/2012                               | 06/01/2015              |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...**

Continued ...

| a.                                                                                | b.                                        | c.                                                                                                                                                                                                                                                                                                                        | d.                                                               | e.                                      | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                                                                                                                                                                                                            | Portion of service territory effected                            | Characteristics of territory effected   | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2012-132                                                                       | T                                         | 138kV CB '8' at Saint Clair Avenue Station was identified by PJM as an overdutied breaker, B-1746, and needs to be replaced no later than 06/01/2015. Additional breaker replacements were targeted in the Rehab list and it was determine to upgrade all the identified breakers and relays with this project to improve | Columbus , OH<br>North Central Columbus Area:<br>Franklin County | Approximate load in the area is 500 MVA | 6,000,000                         | 12/07/2012                               | 12/19/2016              |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...**

Continued ...

| a.                                                                                | b.                                        | c.                                                                         | d.                                                                     | e.                                    | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------|---------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment             | Portion of service territory effected                                  | Characteristics of territory effected | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
|                                                                                   |                                           | equipment conditions and system reliability with the newer units.          |                                                                        |                                       |                                   |                                          |                         |                        |
| TP-2012-137                                                                       | T                                         | Construct new 69kV station to serve Markwest Energy's fractionation plant. | This project will impact the existing Dillonvale -Amsterdam 69kV line. | This is a load area of about 35 MW.   | 16,000,000                        | 06/01/2012                               | 06/01/2013              |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**1. 4901:1-10-26 (B)(1) Future Investment Plan For Facilities And Equipment (covering period of no less than three years) ...**

Continued ...

| a.                                                                                | b.                                        | c.                                                                                                                                      | d.                                                                                                                                         | e.                                     | f.                                | g.                                       | h.                      | i.                     |
|-----------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------|------------------------------------------|-------------------------|------------------------|
| Identification of project/program or plan by facility, equipment, or project name | Transmission or distribution ("T" or "D") | Description of project/program and goals of planned investment                                                                          | Portion of service territory effected                                                                                                      | Characteristics of territory effected  | Estimated cost for implementation | Date of initiation of program or project | Planned completion date | Actual completion date |
| TP-2012-161                                                                       | T                                         | Construct new 345/138kV Station in Belmont County by tapping the Tidd-Muskingum River 345kV line. Integrate with FE lines in the south. | The project will provide support to Eastern and Western Ohio areas as well as facilitate providing electrical service to future customers. | This is a load area of about 1,000 MW. | 80,000,000                        | 06/01/2012                               | 06/01/2015              |                        |

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AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**1.a. 4901:1-10-26 (B)(1)(a) Relevant Characteristics Of The Service Territory**

| Facility Type | Total Overhead Miles | Total Underground Miles | Other Notable Characteristics |
|---------------|----------------------|-------------------------|-------------------------------|
| T             | 61                   | 0                       | 0                             |
| D             | 0                    | 0                       |                               |

**Notes**

There are no Distribution Facilities to report.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**1.b 4901:1-10-26 (B)(1b) Future investment plan for facilities and equipment (covering period 2012 to 2016)**

| <b>All Cost</b> | <b>2012</b>    |               | <b>2013</b>    | <b>2014</b>      | <b>2015</b>      | <b>2016</b>      |
|-----------------|----------------|---------------|----------------|------------------|------------------|------------------|
|                 | <b>Planned</b> | <b>Actual</b> | <b>Planned</b> | <b>Projected</b> | <b>Projected</b> | <b>Projected</b> |
| D               | \$0            | \$0           | \$0            | \$0              | \$0              | \$0              |
| T               | \$122,381,000  | \$146,616,000 | \$108,012,000  | \$91,277,000     | \$63,358,000     | \$112,730,000    |

**Notes**

There are no future investment plan for Distribution facilities and equipment associated with the AEP Ohio Transmission Company.

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AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**2. 4901:1-10-26 (B)(1)(d)&(f) Complaints From Other Entities**

| a.                                                                                                                                               | b.                      | c.                  | d.                                | e.                             | f.            | g.                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|-----------------------------------|--------------------------------|---------------|------------------------------------|
| Complaint(s) from other electric utility companies, regional transmission entity, or competitive retail electric supplier(s) (list individually) | Date complaint received | Nature of complaint | Action taken to address complaint | Complaint resolved (Yes or No) | Date resolved | If unresolved give explanation why |
|                                                                                                                                                  |                         |                     |                                   |                                |               |                                    |

**Notes**

There were no Complaints From Other Entities to report in 2012.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**3.a. 4901:1-10-26 (B)(1)(e) Electric Reliability Organization Reliability Standards Violation**

| Standard number<br>violated | Standard name<br>violated | Date of<br>violation | Violation risk<br>factor | Violation<br>severity factor | Total amount of<br>penalty dollars | Description |
|-----------------------------|---------------------------|----------------------|--------------------------|------------------------------|------------------------------------|-------------|
|                             |                           |                      |                          |                              |                                    |             |

**Notes**

There were no Electric Reliability Organization Reliability Standards Violations to report for 2012.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**3.b. 4901:1-10-26 (B)(1)(e) Regional Transmission Organization (RTO) Violations**

| Name of RTO violation | Description |
|-----------------------|-------------|
|                       |             |

**Notes**

There were no Regional Transmission Organization (RTO) Violations to report for 2012.

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AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**3.c. 4901:1-10-26 (B)(1)(e) Transmission Load Relief (TRL)**

| TLR Event Start | TLR Event End | Highest TLR level during event | Firm load interrupted | Amount of load (MW) interrupted | Description |
|-----------------|---------------|--------------------------------|-----------------------|---------------------------------|-------------|
|                 |               |                                |                       |                                 |             |

**Notes**

There were no Transmission Load Relief (TLRs) to report for 2012.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**3.d. 4901:1-10-26 (B)(1)(e) Top Ten Congestion Facilities By Hours Of Congestion**

| Rank | Description of facility causing congestion |
|------|--------------------------------------------|
|      |                                            |

**Notes**

There were no congested facilities to report for 2012.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**3.e. 4901:1-10-26 (B)(1)(e) Annual System Improvement Plan And Regional Transmission Operator (RTO) Expansion Plan**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Relationship between annual system improvement plan and RTO transmission expansion plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <p>The transmission planning process for the AEP Ohio Transmission Company is performed by the AEP Service Corporation and PJM, the Regional Transmission Organization (RTO) that has functional control of the AEP Ohio Transmission Company transmission facilities. The transmission planning process is an open, transparent, and collaborative process that is conducted in accordance with the requirements in FERC Order 890. Through this stakeholder planning process, transmission projects are identified and approved for inclusion in the annual PJM Regional Transmission Expansion Plan (RTEP).</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period**

| a.                                          | b.                                        | c.                      | d.                               | e.                                                                                 | f.                                                                                                                                                                                                                               |
|---------------------------------------------|-------------------------------------------|-------------------------|----------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identification of previously planned action | Transmission or Distribution ("T" or "D") | Planned completion date | Actual completion date of action | Identification of deviation(s) from goals of previous plan                         | Reason(s) for each identified deviation                                                                                                                                                                                          |
| TP-2005-004                                 | T                                         | 03/01/2016              |                                  | Deferred project pending further development.                                      | As a new 138 kV line is being built the best route was being selected as there are many natural resources in the area. Project being further scoped as the 138 kV sytem has obsolete equipment. Also enhancing protection sytem. |
| TP-2005-059                                 | T                                         | 06/30/2014              |                                  | Cost changed.                                                                      | Better estimates                                                                                                                                                                                                                 |
| TP-2005-151                                 | T                                         | 05/01/2014              |                                  | Project has been in-service date has been accelerated, Project cost has decreased. | The project will now be completed by 2014 summer peak conditions. The project cost has decreased because some of the smaller 138 kV projects were split out from this project.                                                   |
| TP-2006-107                                 | T                                         | 06/01/2016              |                                  | Changed completion date.                                                           | Further scoping details and scheduling indicate delays.                                                                                                                                                                          |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...**

| a.                                          | b.                                        | c.                      | d.                               | e.                                                                    | f.                                                                                                                                                                                                                                                                    |
|---------------------------------------------|-------------------------------------------|-------------------------|----------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identification of previously planned action | Transmission or Distribution ("T" or "D") | Planned completion date | Actual completion date of action | Identification of deviation(s) from goals of previous plan            | Reason(s) for each identified deviation                                                                                                                                                                                                                               |
| TP-2007-020                                 | T                                         | 12/01/2016              |                                  | Project in-service date has been delayed. Project cost has increased. | The project is delayed because of funding constraints. The project cost increases were identified when the detailed estimates were completed.                                                                                                                         |
| TP-2007-122                                 | T                                         | 06/01/2015              |                                  | Deferred project pending further development.                         | Project is being further developed. Also the outages needed will impact the outages for the Southeastern Ohio generation retirement Area upgrades, as these outages can't be done simultaneously. Therefore this project may be deferred an additional outage season. |
| TP-2007-153                                 | T                                         | 12/01/2013              |                                  | Cost changed.                                                         | Better estimates                                                                                                                                                                                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...**

| a.                                          | b.                                        | c.                      | d.                               | e.                                                         | f.                                                                                                            |
|---------------------------------------------|-------------------------------------------|-------------------------|----------------------------------|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Identification of previously planned action | Transmission or Distribution ("T" or "D") | Planned completion date | Actual completion date of action | Identification of deviation(s) from goals of previous plan | Reason(s) for each identified deviation                                                                       |
| TP-2008-024                                 | T                                         | 06/01/2013              |                                  | Project in-service date has been delayed.                  | The project in-service date is delayed because of outage constraints and trouble with railroad permits.       |
| TP-2008-081                                 | T                                         | 12/01/2013              |                                  | Further development and cost changed.                      | Station in area being further studied to enhance reliability as well as enhance the protection system.        |
| TP-2009-134                                 | T                                         | 06/01/2013              |                                  | Project in-service date has been delayed.                  | The project in-service date is delayed because of delays in finalizing enviromental permits and right of way. |
| TP-2009-174                                 | T                                         | 05/01/2014              |                                  | Project in-service date has been delayed.                  | The project in-service date is delayed because of outage constraints.                                         |
| TP-2010-110                                 | T                                         | 12/31/2014              |                                  | 1) Changed initiate date. 2) Cost changed                  | 1) Approval delays. 2) Better estimates                                                                       |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**4. 4901:1-10-26 (B)(2) Report Of Implementation Plan From Previous Reporting Period ... Continued ...**

| a.                                          | b.                                        | c.                      | d.                               | e.                                                                    | f.                                                                                                                                                       |
|---------------------------------------------|-------------------------------------------|-------------------------|----------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Identification of previously planned action | Transmission or Distribution ("T" or "D") | Planned completion date | Actual completion date of action | Identification of deviation(s) from goals of previous plan            | Reason(s) for each identified deviation                                                                                                                  |
| TP-2010-150                                 | T                                         | 06/01/2013              |                                  | Changed completion date.                                              | 138 kV work is done. Delay in obtaining necessary ROW and outages to complete 69 kV work.                                                                |
| TP-2011-039                                 | T                                         | 06/01/2017              |                                  | Deferred project pending further development.                         | Available space limits improvement options so additional planning and development is required.                                                           |
| TP-2011-086                                 | T                                         | 12/01/2014              |                                  | Project in-service date has been delayed.                             | The project in-service date is delayed because of outage constraints.                                                                                    |
| TP-2012-019                                 | T                                         | 06/01/2014              |                                  | Project in-service date has been delayed. Project cost has increased. | The transmission customer no longer needed service by 12/31/2013. The project cost increases were identified when the detailed estimates were completed. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**5. 4901:1-10-26 (B)(3)(a) Characterization Of Condition Of Company's System**

|                | a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | b.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of System | Qualitative characterization of condition or system                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Explanation of criteria used in making assessment for each characterization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| T              | <p>The initial construction of overhead and underground facilities follows AEPs material and construction standards that incorporate National Electric Safety Code requirements. These standards were adopted to safely and reliably operate AEPs extensive transmission and distribution system in its 11-state service area. Once built and energized, the facilities are subject to mechanical and electrical stresses from various causes, including conductor and equipment loadings, severe weather, accidents and vandalism. These conditions will eventually lead to the need for maintenance, repair or replacement of the assets. Industry research and AEPs experience and expertise in the construction, operation and maintenance of transmission and distribution systems in varied geographic and demographic areas are applied to manage and maintain AEPs assets. AEP develops objectives and plans to achieve optimal performance in a safe and reliable manner over the expected life of asset, while at the same time balancing costs and benefits. An example of this type of planning can be demonstrated in AEPs annual operation and maintenance plans.</p> | <p>AEP Transmission Operations continually monitors the operational performance of its transmission system. As necessary, corrective actions are taken by Operations to ensure the safe and reliable operation of the system during normal, as well as, contingency conditions. During contingency conditions, Transmission Operations directs the necessary switching to isolate faulted equipment and restore service to customers impacted by the outage. Transmission Operations is also responsible for approving facility maintenance outages to ensure the outage does not adversely impact safe and reliable operation of the transmission system. AEP Transmission Planning periodically evaluates the anticipated performance of the transmission system over a planning horizon. As system performance deficiencies are identified and evaluated, appropriate area reinforcement plans are developed and implemented to ensure safe and reliable operation of the transmission system. The performance of existing facilities is also monitored by the Transmssion Region Operation Groups. As needed, facilities are scheduled for maintenance or replaced as part of AEP's on-going rehabilitation. The proposed system reinforcements and system rehabilitation plan for the next several years are discussed in Section B(1).</p> |
| D              | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**Notes**

There is no Characterization Of Condition Of Company's System for Distribution. AEP Ohio Transmission Company is a Transmission-only company.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**6. 4901:1-10-26 (B)(3)(b) Safety and Reliability Complaints**

|                | a.                                                                               |
|----------------|----------------------------------------------------------------------------------|
| Type of system | Total number of safety & reliability complaints received directly from customers |
|                |                                                                                  |

**Notes**

There were no Safety and Reliability Complaints to report in 2012.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**6.a. 4901:1-10-26 (B)(3)(b) Safety and Reliability Complaints Detailed Report**

|                | 1.                      | 2.     | 3.                     | 4.             | 5.                         | 6.             | 7.            |
|----------------|-------------------------|--------|------------------------|----------------|----------------------------|----------------|---------------|
| Type of system | Availability of service | Damage | Momentary interruption | Out of service | Quality of utility product | Repair service | Public safety |
|                |                         |        |                        |                |                            |                |               |

**Notes**

There were no Safety and Reliability Complaints to report in 2012.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**7.a. 4901:1-10-26 (B)(3)(c) Transmission Capital Expenditures - Reliability Specific**

**Total transmission Investment = \$269,870,524**

| Account \ SubAccount                              | 2012<br>budget | Budget as<br>percent of<br>investment | 2012<br>actual | Actual as<br>percent of<br>investment | 2013 budget | Current as<br>percent of<br>investment | Explanation of variance if<br>over 10%                                                                   |
|---------------------------------------------------|----------------|---------------------------------------|----------------|---------------------------------------|-------------|----------------------------------------|----------------------------------------------------------------------------------------------------------|
| Construction<br>Transmission<br>FERC ACCOUNTS 107 | 122,381,000    | 45.35%                                | 146,616,000    | 54.33%                                | 108,012,000 | 40.02%                                 | Increase due to station equipment<br>purchases/replacements and the June 29,<br>2012 Derecho wind storm. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**7.b. 4901:1-10-26 (B)(3)(c) Transmission Maintenance Expenditures - Reliability Specific**

**Total transmission investment = \$269,870,524**

| <b>Account \ SubAccount</b>                                              | <b>2012<br/>Budget</b> | <b>Budget as<br/>percent of<br/>investment</b> | <b>2012<br/>Actual</b> | <b>Actual as<br/>percent of<br/>investment</b> | <b>2013 Budget</b> | <b>Current as<br/>percent of<br/>investment</b> | <b>Explanation of variance if<br/>over 10%</b>     |
|--------------------------------------------------------------------------|------------------------|------------------------------------------------|------------------------|------------------------------------------------|--------------------|-------------------------------------------------|----------------------------------------------------|
| Electric Transmission<br>Operations<br>FERC ACCOUNTS 560<br>through 567  | 1,276,000              | 0.47%                                          | 295,000                | 0.11%                                          | 4,043,000          | 1.50%                                           | Lower than antcipated cost of<br>outside services. |
| Electric Transmission<br>Maintenance<br>FERC ACCOUNTS 568<br>through 573 | 48,000                 | 0.02%                                          | 25,000                 | 0.01%                                          | 149,000            | 0.06%                                           | Not material.                                      |

**Notes**

Transmission dollars have been rounded to the nearest 000's.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**8.a. 4901:1-10-26 (B)(3)(d) Distribution Capital Expenditures - Reliability Specific**

**Total distribution investment =**

| Account \ SubAccount | Budget | Budget as percent of investment | Actual | Actual as percent of investment | Budget | Current as percent of investment | Explanation of variance if over 10% |
|----------------------|--------|---------------------------------|--------|---------------------------------|--------|----------------------------------|-------------------------------------|
|                      |        | 0.00%                           |        | 0.00%                           |        | 0.00%                            |                                     |

**Notes**

There were no Distribution Capital Expenditures.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**8.b. 4901:1-10-26 (B)(3)(d) Distribution Maintenance Expenditures - Reliability Specific**

**Total distribution investment =**

| Account \ SubAccount | Budget | Budget as percent of investment | Actual | Actual as percent of investment | Budget | Current as percent of investment | Explanation of variance if over 10% |
|----------------------|--------|---------------------------------|--------|---------------------------------|--------|----------------------------------|-------------------------------------|
|                      |        | 0.00%                           |        | 0.00%                           |        | 0.00%                            |                                     |

**Notes**

There were no Distribution Maintenance Expenditures.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities**

| a.                                                 | b.                 | c.                                                                    | d.                                    | e.                                    | f.                                  | g.                                                                  | h.                                                                                                                                                                                                                                  |
|----------------------------------------------------|--------------------|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission<br>or<br>distribution<br>("T" or "D") | Asset Type         | Asset's<br>assigned<br>FERC<br>subaccount<br>(account/sub<br>account) | Total<br>depreciable<br>life of asset | Total<br>depreciated<br>life of asset | Total<br>remaining<br>life of asset | Percent of<br>average<br>remaining<br>depreciation<br>life of asset | Depreciation<br>of how age was<br>determined                                                                                                                                                                                        |
| D                                                  |                    |                                                                       | 0                                     | 0.00                                  | 0                                   | 0.00%                                                               |                                                                                                                                                                                                                                     |
| T                                                  | OH Cond. & Devices | 356                                                                   | 80                                    | 5.00                                  | 75                                  | 93.75%                                                              | Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 – Pages 207, 219 and 337. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...**

| a.                                                 | b.                | c.                                                                    | d.                                    | e.                                    | f.                                  | g.                                                                  | h.                                                                                                                                                                                                                                  |
|----------------------------------------------------|-------------------|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission<br>or<br>distribution<br>("T" or "D") | Asset Type        | Asset's<br>assigned<br>FERC<br>subaccount<br>(account/sub<br>account) | Total<br>depreciable<br>life of asset | Total<br>depreciated<br>life of asset | Total<br>remaining<br>life of asset | Percent of<br>average<br>remaining<br>depreciation<br>life of asset | Depreciation<br>of how age was<br>determined                                                                                                                                                                                        |
| T                                                  | Poles & Fixtures  | 355                                                                   | 57                                    | 12.00                                 | 45                                  | 78.95%                                                              | Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 – Pages 207, 219 and 337. |
| T                                                  | Station Equipment | 353                                                                   | 50                                    | 0.00                                  | 50                                  | 100.00%                                                             | Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 – Pages 207, 219 and 337. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...**

| a.                                                 | b.                        | c.                                                                    | d.                                    | e.                                    | f.                                  | g.                                                                  | h.                                                                                                                                                                                                                                  |
|----------------------------------------------------|---------------------------|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission<br>or<br>distribution<br>("T" or "D") | Asset Type                | Asset's<br>assigned<br>FERC<br>subaccount<br>(account/sub<br>account) | Total<br>depreciable<br>life of asset | Total<br>depreciated<br>life of asset | Total<br>remaining<br>life of asset | Percent of<br>average<br>remaining<br>depreciation<br>life of asset | Depreciation<br>of how age was<br>determined                                                                                                                                                                                        |
| T                                                  | Structures & Improvements | 352                                                                   | 75                                    | 8.00                                  | 67                                  | 89.33%                                                              | Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 – Pages 207, 219 and 337. |
| T                                                  | Underground Conductor     | 358                                                                   | 60                                    | 13.00                                 | 47                                  | 78.33%                                                              | Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 – Pages 207, 219 and 337. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**9. 4901:1-10-26 (B)(3)(e) Average Remaining Depreciation Life Of Distribution And Transmission Facilities ... Continued ...**

| a.                                                 | b.                  | c.                                                                    | d.                                    | e.                                    | f.                                  | g.                                                                  | h.                                                                                                                                                                                                                                  |
|----------------------------------------------------|---------------------|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission<br>or<br>distribution<br>("T" or "D") | Asset Type          | Asset's<br>assigned<br>FERC<br>subaccount<br>(account/sub<br>account) | Total<br>depreciable<br>life of asset | Total<br>depreciated<br>life of asset | Total<br>remaining<br>life of asset | Percent of<br>average<br>remaining<br>depreciation<br>life of asset | Depreciation<br>of how age was<br>determined                                                                                                                                                                                        |
| T                                                  | Underground Conduit | 357                                                                   | 55                                    | 0.00                                  | 55                                  | 100.00%                                                             | Asset Remaining Life (Yrs) determined based on Depreciable Plant Base minus Accumulated Provision for Depreciation divided by the Depreciable Plant Base times the applied depreciation rate. FERC Form 1 – Pages 207, 219 and 337. |

**Notes**

Note (1): Transmission assets noted above do not include Accounts 350, 359, and 359.1. Accounts 350 - Land and Land Rights, 359 - Roads and Trails, and 359.1 - Asset Retirement Costs for Transmission Plant represent non-depreciable assets. Note (2): There

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report**

| a.                                                                                                               | b.                               | c.                                                                                                                                                                                                                                                                                                | d.                      | e.                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                     | Program goals                                                                                                                                                                                                                                                                                     | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                                                                                                                                                                                                |
| DS                                                                                                               | D - Capacitor Banks              | The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner. | Y                       | The maintenance performed on capacitor banks during 2012 was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be performed. |
| D                                                                                                                | D - Circuit and Line Inspections | Conduct overhead circuit inspections based on a five year cycle that results in an annual inspection of 20% of the overhead distribution facilities.                                                                                                                                              | Y                       | N/A                                                                                                                                                                                                                                                                                                                                                                                                |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                                                 | c.                                                                                                                                                                                                                                                                                                            | d.                      | e.                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                                       | Program goals                                                                                                                                                                                                                                                                                                 | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                   |
| DS                                                                                                               | D - Circuit Breakers and Reclosers                 | The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner. | Y                       | External inspections & maintenance:<br>2012 Goal = 0; 2012 Results = 0<br>(100% of goal achieved); Internal inspections & maintenance:<br>2012 Goal = 0; 2012 Results = 0<br>(100% of goal achieved); |
| D                                                                                                                | D - Conductors<br>(Overhead Conductor Replacement) | Replacement of overhead conductors installation based on age, condition and reliability history.                                                                                                                                                                                                              | Y                       | N/A                                                                                                                                                                                                   |
| D                                                                                                                | D - Conductors<br>(Underground Cable Rejuvenation) | Replacement of primary underground cable based on age, condition and reliability history.                                                                                                                                                                                                                     | Y                       | N/A                                                                                                                                                                                                   |
| D                                                                                                                | D - Conductors<br>(Underground Cable Replacement)  | Rejuvenation of primary underground cable based on age, condition and reliability history.                                                                                                                                                                                                                    | Y                       | N/A                                                                                                                                                                                                   |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                                             | c.                                                                             | d.                      | e.                  |
|------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------|-------------------------|---------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                                   | Program goals                                                                  | Achieve<br>("Y" or "N") | Summary of findings |
| D                                                                                                                | D - Line Capacitors                            | Inspect all line capacitors annually.                                          | Y                       | N/A                 |
| D                                                                                                                | D - Line Electronic Reclosers (Inspections)    | Full inspection annually plus a second inspection each year for battery check. | Y                       | N/A                 |
| D                                                                                                                | D - Line NonElectronic Reclosers (Inspections) | Inspect all nonelectronic line reclosers annually.                             | Y                       | N/A                 |
| D                                                                                                                | D - Line Reclosers (Maintenance)               | Maintain reclosers on a 6 (+/-) year cycle.                                    | Y                       | N/A                 |
| D                                                                                                                | D - Line Reclosers (New Vacuum Replacements)   | Replace hydraulic reclosers with new vacuum interrupting reclosers             | Y                       | N/A                 |
| D                                                                                                                | D - Network System (Vaults)                    | Inspect all vaults annually.                                                   | Y                       | N/A                 |
| D                                                                                                                | D - Network System (Manholes)                  | Inspect network manholes on a four year cycle.                                 | Y                       | N/A                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                                   | c.                                                                                                                                                                                                  | d.                      | e.                  |
|------------------------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                         | Program goals                                                                                                                                                                                       | Achieve<br>("Y" or "N") | Summary of findings |
| D                                                                                                                | D - Network System<br>(Protectors)   | Inspect all network protectors<br>annually.                                                                                                                                                         | Y                       | N/A                 |
| D                                                                                                                | D - Network System<br>(Transformers) | Inspect all network transformers<br>annually.                                                                                                                                                       | Y                       | N/A                 |
| D                                                                                                                | D - Padmounted<br>Transformers       | Five year inspection cycle of<br>underground primary and secondary<br>enclosures.                                                                                                                   | Y                       | N/A                 |
| D                                                                                                                | D - Poles (Inspection)               | The program consists of a detailed<br>inspection of company owned wood<br>poles once every 10 years for all<br>non-CCA poles in service 15 years<br>or longer and CCA poles in service<br>pre-1986. | Y                       | N/A                 |
| D                                                                                                                | D - Poles<br>(Reinforcement)         | Reinforcement of poles with internal<br>or external decay and inadequate<br>strength.                                                                                                               | Y                       | N/A                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                         | c.                                                                                                             | d.                      | e.                  |
|------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name               | Program goals                                                                                                  | Achieve<br>("Y" or "N") | Summary of findings |
| D                                                                                                                | D - Poles<br>(Replacement) | Replacement of poles with internal<br>or external decay and inadequate<br>strength that are not reinforceable. | Y                       | N/A                 |
| D                                                                                                                | D - Poles (Treatment)      | Treatment of poles with internal or<br>external decay but adequate<br>strength.                                | Y                       | N/A                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                            | c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | d.                      | e.                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                  | Program goals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                |
| DS                                                                                                               | D - Protection and<br>Control | Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment. | Y                       | D-Calibrations on discrete relays:<br>2012 Goal = 0 2012 Results = 0<br>(100% of goal achieved);<br>D-Functional trip tests on relay trip<br>paths: 2012 Goal = 0; 2012<br>Results = 0 (100% of goal<br>achieved); |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                                     | c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | d.                      | e.                  |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                           | Program goals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Achieve<br>("Y" or "N") | Summary of findings |
| D                                                                                                                | D - Right-of-Way<br>Vegetation Control | Vegetation management is a long term program (more than a year or two) and contains work prescriptions which include: type of treatment (mechanical, manual, herbicide) based on tree and environmental conditions; priority and schedule of treatment by line/circuit; and cost of treatment. As the plan progresses over time, these work prescriptions will change based on the size and type of vegetation. The initial prescription for clearing an easement may include several types of activity such as: trimming, removing, mowing and spraying. AEP's Forestry staff and contractors continuously work to insure the appropriate prescription is utilized to increase effectiveness and efficiency. | Y                       | N/A                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                      | c.                                                                                                                                                                                                                                                                                                | d.                      | e.                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name            | Program goals                                                                                                                                                                                                                                                                                     | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                    |
| DS                                                                                                               | D - Station Inspections | The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner. | Y                       | 2012 Goal = inspect 0 D-stations on a monthly basis; 2012 Results = inspected 0 D-stations on a monthly basis. (100% of goal achieved since one station was retired.). |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.               | c.                                                                                                                                                                                                                                                                                                                                                                                                       | d.                      | e.                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name     | Program goals                                                                                                                                                                                                                                                                                                                                                                                            | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                                                                                                                                                                                                                   |
| DS                                                                                                               | D - Transformers | The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers. | Y                       | Minor external inspections & maintenance: 2012 Goal = 0; 2012 Results = 0 (100% of goal achieved); Major internal inspections & maintenance: 2012 Goal = 0; 2012 Results = 0 (100% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                     | c.                                                                                                                                                                                                                                                                                                   | d.                      | e.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name           | Program goals                                                                                                                                                                                                                                                                                        | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| DS                                                                                                               | D - Voltage Regulators | The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner. | Y                       | The maintenance performed on voltage regulators during 2012 was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                  | c.                                                                                                                                                                                                                                                                                                | d.                      | e.                                                                                                                                                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name        | Program goals                                                                                                                                                                                                                                                                                     | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                                                                                                                                                                                                |
| TS                                                                                                               | T - Capacitor Banks | The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner. | Y                       | The maintenance performed on capacitor banks during 2012 was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be performed. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                                 | c.                                                                                                                                                                                                                                                                                                             | d.                      | e.                                                                                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                       | Program goals                                                                                                                                                                                                                                                                                                  | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                     |
| TS                                                                                                               | T - Circuit Breakers and Reclosers | The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner. | Y                       | External inspections & maintenance:<br>2012 Goal = 0; 2012 Results = 0<br>(100% of goal achieved); Internal<br>inspections & maintenance:<br>2012 Goal = 0 2012 Results = 0<br>(100% of goal achieved); |
| T                                                                                                                | T - Line Inspections               | The intent of line inspections is to check the present condition of a line and determine if any of its components exhibit a near term potential to fail and cause an outage or a safety problem.                                                                                                               | Y                       | 2012 Goal = inspect 58 T-line miles;<br>2012 Results = 100% of<br>transmission lines inspected.                                                                                                         |
| T                                                                                                                | T - Line Maintenance               | The intent of line maintenance is to avoid line outages and/or safety concerns whenever practical and to minimize the duration of outages when they occur.                                                                                                                                                     | Y                       | OHTCO remedied 11 identified<br>T-line problems in 2012.                                                                                                                                                |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                            | c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | d.                      | e.                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                  | Program goals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                |
| TS                                                                                                               | T - Protection and<br>Control | Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment. | Y                       | T-Calibrations on discrete relays:<br>2012 Goal = 0; 2012 Results = 0<br>(100% of goal achieved);<br>T-Functional trip tests on relay trip<br>paths: 2012 Goal = 0; 2012<br>Results = 0 (100% of goal<br>achieved) |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                                     | c.                                                                                                                                                                                                                                                                                                                        | d.                      | e.                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name                           | Program goals                                                                                                                                                                                                                                                                                                             | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                              |
| T                                                                                                                | T - Right-of-Way<br>Vegetation Control | The intent of right of way<br>maintenance is to minimize line<br>outages and/or safety hazards<br>caused by vegetation growing too<br>near energized conductors. Trees,<br>shrubs and vines that have the<br>potential to grow or fall into<br>transmission lines must be removed<br>or their growth contained.           | Y                       | 2012 Goal = maintain 17.9 miles of<br>T-line right-of-way; 2012 Results =<br>maintained 18 miles. (101% of goal<br>achieved)                     |
| TS                                                                                                               | T - Station Inspections                | The goals are to (1) prevent<br>unplanned outages or failures<br>and/or safety hazards by identifying<br>and correcting problems during<br>scheduled inspections; and (2)<br>reduce customer outages and<br>associated call-outs for station<br>problems by detecting problems and<br>correcting them in a timely manner. | Y                       | 2012 Goal = inspect 0 T-stations on<br>a monthly basis; 2012 Results =<br>inspected 0 T-stations on a monthly<br>basis. (100% of goal achieved). |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.               | c.                                                                                                                                                                                                                                                                                                                                                                                                       | d.                      | e.                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name     | Program goals                                                                                                                                                                                                                                                                                                                                                                                            | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                                                                                                                                                                                                                   |
| TS                                                                                                               | T - Transformers | The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers. | Y                       | Minor external inspections & maintenance: 2012 Goal = 0; 2012 Results = 0 (100% of goal achieved); Major internal inspections & maintenance: 2012 Goal = 0; 2012 Results = 0 (100% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10. 4901:1-10-26 (B)(3)(f)(i) & (ii) Inspection, Maintenance, Repair And Replacement Distribution, Transmission And Substation  
Programs Summary Report ... Continued ...**

| a.                                                                                                               | b.                     | c.                                                                                                                                                                                                                                                                                                   | d.                      | e.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution substation<br>"DS" | Program name           | Program goals                                                                                                                                                                                                                                                                                        | Achieve<br>("Y" or "N") | Summary of findings                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| TS                                                                                                               | T - Voltage Regulators | The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner. | Y                       | The maintenance performed on voltage regulators during 2012 was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator. |

**Notes**

There are no Distribution assets associated with AEP Ohio Transmission Company.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes"**

| 1.           | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|--------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes"**

| 1.                                                                                                                                                                                                                                                                                                                                         | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.                                                                                                                                                                          | 4.                                                                                                                                                                                                                                  | 5.                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                               | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                      | Description of extent of achievement                                                                                                                                        | Quantitative description of goal in either numerical values or percentages                                                                                                                                                          | Quantitative description of actual performance in either numerical values or percentages                                                                                                                                                                                                                                                                                           |
| <p>D - Capacitor Banks</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.</p> | <p>Reliable operation of capacitor banks requires that all components of these devices and their associated switchgear is in serviceable condition. These devices have relatively few mechanical parts that require special attention. The maintenance program for capacitor banks includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the capacitor bank.</p> | <p>Maintenance was performed, as necessary, on distribution station capacitor banks as identified during monthly station inspections and periodic infrared inspections.</p> | <p>Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance.</p> | <p>The maintenance performed on capacitor banks was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes"**

| 1.                                                                                                                                                                                                  | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                        | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
|                                                                                                                                                                                                     |                                       |                                      |                                                                            | performed.                                                                               |
| D - Circuit and Line Inspections<br><br>GOAL - Conduct overhead circuit inspections based on a five year cycle that results in an annual inspection of 20% of the overhead distribution facilities. | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                    | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.                                                                                                             | 4.                                                                                                                | 5.                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                          | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Description of extent of achievement                                                                           | Quantitative description of goal in either numerical values or percentages                                        | Quantitative description of actual performance in either numerical values or percentages                                                                                 |
| <p>D - Circuit Breakers and Reclosers</p> <p>GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.</p> | <p>Preventive maintenance on circuit breakers and reclosers is evolving from traditional time-based maintenance to Condition Based Maintenance (CBM), which includes time and operation intervals. Some of the principles of Reliability Centered Maintenance (RCM) are also being applied. RCM focuses on the reliability of components and is triggered by conditions that exist such as the total number of operations that have occurred since the last maintenance, which indicates the amount of duty (or use) the operating mechanism has incurred.</p> | <p>The 2012 goals for distribution circuit breaker and reclosure inspection and maintenance were achieved.</p> | <p>2012 Goal = 0 external inspections &amp; maintenance 2012 Goal = 0 internal inspections &amp; maintenance.</p> | <p>2012 Results = 0 external inspections &amp; maintenance. (100% of goal achieved) 2012 Results = 0 internal inspections &amp; maintenance. (100% of goal achieved)</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                             | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                   | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| D - Conductors (Overhead Conductor Replacement)<br><br>GOAL - Replacement of overhead conductors installation based on age, condition and reliability history. | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Conductors (Underground Cable Rejuvenation)<br><br>GOAL - Replacement of primary underground cable based on age, condition and reliability history.        | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                         | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                               | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| D - Conductors<br>(Underground Cable Replacement)<br><br>GOAL - Rejuvenation of primary underground cable based on age, condition and reliability history. | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Line Capacitors<br><br>GOAL - Inspect all line capacitors annually.                                                                                    | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Line Electronic Reclosers (Inspections)<br><br>GOAL - Full inspection annually plus a second inspection each year for battery check.                   | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                            | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                  | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| D - Line NonElectronic Reclosers (Inspections)<br><br>GOAL - Inspect all nonelectronic line reclosers annually.               | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Line Reclosers (Maintenance)<br><br>GOAL - Maintain reclosers on a 6 (+/-) year cycle.                                    | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Line Reclosers (New Vacuum Replacements)<br><br>GOAL - Replace hydraulic reclosers with new vacuum interrupting reclosers | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                         | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|--------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                               | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| D - Network System (Vaults)<br><br>GOAL - Inspect all vaults annually.                     | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Network System (Manholes)<br><br>GOAL - Inspect network manholes on a four year cycle. | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Network System (Protectors)<br><br>GOAL - Inspect all network protectors annually.     | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                    | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                          | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| D - Network System (Transformers)<br><br>GOAL - Inspect all network transformers annually.                            | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Padmounted Transformers<br><br>GOAL - Five year inspection cycle of underground primary and secondary enclosures. | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                        | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                              | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| D - Poles (Inspection)<br><br>GOAL - The program consists of a detailed inspection of company owned wood poles once every 10 years for all non-CCA poles in service 15 years or longer and CCA poles in service pre-1986. | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Poles (Reinforcement)<br><br>GOAL - Reinforcement of poles with internal or external decay and inadequate strength.                                                                                                   | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                             | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                   | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| D - Poles (Replacement)<br><br>GOAL - Replacement of poles with internal or external decay and inadequate strength that are not reinforceable. | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |
| D - Poles (Treatment)<br><br>GOAL - Treatment of poles with internal or external decay but adequate strength.                                  | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.                                                                                                                                    | 4.                                                                                                                 | 5.                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Description of extent of achievement                                                                                                  | Quantitative description of goal in either numerical values or percentages                                         | Quantitative description of actual performance in either numerical values or percentages                                                                              |
| <p>D - Protection and Control</p> <p>GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance</p> | <p>Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.</p> | <p>The 2012 goals for distribution station discrete relay calibrations and trip path functional tests were achieved and exceeded.</p> | <p>2012 Goal = 0 D - discrete relay calibrations; 2012 Goal = 0 D - functional trip tests on relay trip paths.</p> | <p>2012 Results = 0 calibrations on discrete relays. (100% of goal achieved); 2012 Results = 0 functional trip tests on relay trip paths. (100% of goal achieved)</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                    | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|-------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                          | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| call-outs and maximize the life of station equipment. |                                       |                                      |                                                                            |                                                                                          |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| <p>D - Right-of-Way Vegetation Control</p> <p>GOAL - Vegetation management is a long term program (more than a year or two) and contains work prescriptions which include: type of treatment (mechanical, manual, herbicide) based on tree and environmental conditions; priority and schedule of treatment by line/circuit; and cost of treatment. As the plan progresses over time, these work prescriptions will change based on the size and type of vegetation. The initial prescription for clearing an</p> | N/A                                   | N/A                                  | N/A                                                                        | N/A                                                                                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                   | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                         | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| easement may include several types of activity such as: trimming, removing, mowing and spraying. AEP's Forestry staff and contractors continuously work to insure the appropriate prescription is utilized to increase effectiveness and efficiency. |                                       |                                      |                                                                            |                                                                                          |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                             | 2.                                                                                                                                                                                        | 3.                                                                                         | 4.                                                                         | 5.                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                   | Explanation of how goal were achieved                                                                                                                                                     | Description of extent of achievement                                                       | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages                                 |
| <p>D - Station Inspections</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.</p> | <p>Each distribution station is inspected monthly. Identified problems are noted on the inspection report and any serious condition is immediately reported to maintenance personnel.</p> | <p>The 2012 goal for distribution station inspections on a monthly basis was achieved.</p> | <p>2012 Goal = inspect 0 D-stations on a monthly basis.</p>                | <p>2012 Results = inspected 0 D-stations on a monthly basis. (100% of goal achieved since one station was retired.).</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.                                                                                                    | 4.                                                                                                                    | 5.                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                                                                                                   | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                      | Description of extent of achievement                                                                  | Quantitative description of goal in either numerical values or percentages                                            | Quantitative description of actual performance in either numerical values or percentages                                                                                                                                                                                                                                                                                                   |
| <p>D - Transformers</p> <p>GOAL - The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers.</p> | <p>Reliable operation of transformers requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for transformers includes procedures that provide for monitoring, testing and planned maintenance to assure the integrity of these components and the overall performance of the transformers.</p> | <p>The 2012 goals for distribution station transformer inspections and maintenance were achieved.</p> | <p>2012 Goal = 0 minor external inspections &amp; maintenance and 0 major internal inspections &amp; maintenance.</p> | <p>2012 Results = 0 minor external inspections &amp; maintenance. (100% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action. 0 major internal inspection was completed in 2012. (100% of goal achieved).</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3.                                                                                                                                                                | 4.                                                                                                                                                                                                                                                                   | 5.                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                     | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                            | Description of extent of achievement                                                                                                                              | Quantitative description of goal in either numerical values or percentages                                                                                                                                                                                           | Quantitative description of actual performance in either numerical values or percentages                                                                                                                                                                                                                                                                                           |
| <p>D - Voltage Regulators</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.</p> | <p>Reliable operation of voltage regulators requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for voltage regulators includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the voltage regulators.</p> | <p>Maintenance was performed, as necessary, on distribution station feeder regulators and/or bus regulators as identified during monthly station inspections.</p> | <p>Based on experience and results of previous monthly station inspections, no distribution station feeder or bus regulator maintenance was planned in 2012 for OHTCO voltage regulators. Data from monthly station inspection programs is continually monitored</p> | <p>The maintenance performed on voltage regulators was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

| 1.           | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|--------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
|              |                                       |                                      |                                                                            | scheduled for repair or replacement of the voltage regulator.                            |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                         | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.                                                                                                                                                                          | 4.                                                                                                                                                                                                                                  | 5.                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                               | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                      | Description of extent of achievement                                                                                                                                        | Quantitative description of goal in either numerical values or percentages                                                                                                                                                          | Quantitative description of actual performance in either numerical values or percentages                                                                                                                                                                                                                                                                                           |
| <p>T - Capacitor Banks</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.</p> | <p>Reliable operation of capacitor banks requires that all components of these devices and their associated switchgear is in serviceable condition. These devices have relatively few mechanical parts that require special attention. The maintenance program for capacitor banks includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the capacitor bank.</p> | <p>Maintenance was performed, as necessary, on transmission station capacitor banks as identified during monthly station inspections and periodic infrared inspections.</p> | <p>Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance.</p> | <p>The maintenance performed on capacitor banks was the result of monthly station inspections and periodic infrared inspections. Because capacitor banks have few moving parts most of the problems found were blown fuses and deformed or ruptured cans. As the problems were identified the items were replaced as soon as the equipment was available and the work could be</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                     | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 3.                                                                                                                          | 4.                                                                                                                 | 5.                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                           | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Description of extent of achievement                                                                                        | Quantitative description of goal in either numerical values or percentages                                         | Quantitative description of actual performance in either numerical values or percentages                                                                                 |
|                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                             |                                                                                                                    | performed.                                                                                                                                                               |
| <p>T - Circuit Breakers and Reclosers</p> <p>GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.</p> | <p>Preventive maintenance on circuit breakers and reclosers is evolving from traditional time-based maintenance to Condition Based Maintenance (CBM), which includes time and operation intervals. Some of the principles of Reliability Centered Maintenance (RCM) are also being applied. RCM focuses on the reliability of components and is triggered by conditions that exist such as the total number of operations that have occurred since the last maintenance, which indicates the amount of duty (or use) the operating mechanism has incurred.</p> | <p>The 2012 goals for transmission circuit breaker and reclosure inspection and maintenance were achieved and exceeded.</p> | <p>2012 Goal = 0 external inspections &amp; maintenance; 2012 Goal = 0 internal inspections &amp; maintenance.</p> | <p>2012 Results = 0 external inspections &amp; maintenance (100% of goal achieved); 2012 Results = 0 internal inspections &amp; maintenance (100% of goal achieved).</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                         | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 3.                                                               | 4.                                                                         | 5.                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                               | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                              | Description of extent of achievement                             | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| <p>T - Line Inspections</p> <p>GOAL - The intent of line inspections is to check the present condition of a line and determine if any of its components exhibit a near term potential to fail and cause an outage or a safety problem.</p> | <p>OHTCO has a total of 58 miles of transmission lines ranging from 69 kV to 138 kV in voltage. Various types of construction have been used over the years ranging from typical wood pole structures to large lattice towers. Inspection methods vary and can be performed from the air, ground, or by climbing a structure. All structures or a few targeted structures in a line may be inspected at a given time utilizing one or more inspection methods.</p> | <p>2012 goal for transmission line inspections was achieved.</p> | <p>2012 Goal = Inspect 58 T-line miles.</p>                                | <p>2012 Results = 100% of OHTCO transmission lines inspected.</p>                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                   | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 3.                                                                                                                                       | 4.                                                                                                                                           | 5.                                                                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                         | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Description of extent of achievement                                                                                                     | Quantitative description of goal in either numerical values or percentages                                                                   | Quantitative description of actual performance in either numerical values or percentages                                                                                                                 |
| <p>T - Line Maintenance</p> <p>GOAL - The intent of line maintenance is to avoid line outages and/or safety concerns whenever practical and to minimize the duration of outages when they occur.</p> | <p>Data collected as part of the line inspection program is analyzed and categorized to establish a work plan. The most serious items detected that can lead to line outages and/or safety hazards, such as broken poles or cross-arms, are scheduled for prompt corrective action. Less serious problems, such as loose bolts or broken ground wires, which have little or no chance of causing outages or safety issues are catalogued as non-critical and scheduled for replacement or repair in a timely, but less critical manner. Typically, these problems are corrected as general line maintenance is performed but, in some cases, may become part of a capital line rebuild or rehabilitation program.</p> | <p>2012 maintenance was scheduled and performed, as necessary, on transmission lines issues that were identified during inspections.</p> | <p>The 2012 goal was to schedule and perform transmission line maintenance, as necessary, based on issues identified during inspections.</p> | <p>The number of identified problems remedied in OHTCO during 2012 is 11. Additionally, many corrective actions were made to facilities during restoration efforts following major storm activities.</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 3.                                                                                                                       | 4.                                                                                                                 | 5.                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Description of extent of achievement                                                                                     | Quantitative description of goal in either numerical values or percentages                                         | Quantitative description of actual performance in either numerical values or percentages                                                                               |
| <p>T - Protection and Control</p> <p>GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance</p> | <p>Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment.</p> | <p>The 2012 goals for transmission station discrete relay calibrations and trip path functional tests were achieved.</p> | <p>2012 Goal = 0 T - discrete relay calibrations; 2012 Goal = 0 T - functional trip tests on relay trip paths.</p> | <p>2012 Results = 0 calibrations on discrete relays. (100% of goal achieved); 2012 Results = 0 functional trip tests on relay trip paths. (100% of goal achieved).</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                                                                                                                                   | 3.                                                                                                    | 4.                                                                         | 5.                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                     | Explanation of how goal were achieved                                                                                                                                                                                | Description of extent of achievement                                                                  | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
| call-outs and maximize the life of station equipment.                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                      |                                                                                                       |                                                                            |                                                                                          |
| <p>T - Right-of-Way Vegetation Control</p> <p>GOAL - The intent of right of way maintenance is to minimize line outages and/or safety hazards caused by vegetation growing too near energized conductors. Trees, shrubs and vines that have the potential to grow or fall into transmission lines must be removed or their growth contained.</p> | <p>Data from bi-annual aerial inspections and ongoing ground inspections are used to prioritize schedules and plan the most efficient maintenance techniques. These plans are then implemented by our foresters.</p> | <p>The 2012 goal for transmission line right-of-way vegetation control was achieved and exceeded.</p> | <p>2012 Goal = maintain 17.9 miles of T-line right-of-way</p>              | <p>2012 Results = maintained 18 miles. (101% of goal achieved)</p>                       |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                             | 2.                                                                                                                                                                                        | 3.                                                                                         | 4.                                                                         | 5.                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                   | Explanation of how goal were achieved                                                                                                                                                     | Description of extent of achievement                                                       | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages  |
| <p>T - Station Inspections</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.</p> | <p>Each transmission station is inspected monthly. Identified problems are noted on the inspection report and any serious condition is immediately reported to maintenance personnel.</p> | <p>The 2012 goal for transmission station inspections on a monthly basis was achieved.</p> | <p>2012 Goal = inspect 0 T-stations on a monthly basis.</p>                | <p>2012 Results = inspected 0 T-stations on a monthly basis. (100% of goal achieved).</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3.                                                                                          | 4.                                                                                                                    | 5.                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                                                                                                   | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                      | Description of extent of achievement                                                        | Quantitative description of goal in either numerical values or percentages                                            | Quantitative description of actual performance in either numerical values or percentages                                                                                                                                                                                                                                                                                                   |
| <p>T - Transformers</p> <p>GOAL - The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all transformers.</p> | <p>Reliable operation of transformers requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for transformers includes procedures that provide for monitoring, testing and planned maintenance to assure the integrity of these components and the overall performance of the transformers.</p> | <p>The 2012 goal for transmission transformer inspection and maintenance were achieved.</p> | <p>2012 Goal = 0 minor external inspections &amp; maintenance and 0 major internal inspection &amp; maintenance .</p> | <p>2012 Results = 0 minor external inspections &amp; maintenance. (100% of goal achieved); Data gathered as part of the monthly station inspections programs will be continually monitored and evaluated. Major transformer maintenance will be scheduled should equipment conditions warrant this action. 0 major internal inspection was completed in 2012. (100% of goal achieved).</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                                                                                                                                                                                                                                                                                                                                                               | 3.                                                                                                                                                                | 4.                                                                                                                                                                                                                                                                   | 5.                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                     | Explanation of how goal were achieved                                                                                                                                                                                                                                                                                                                                                                                                            | Description of extent of achievement                                                                                                                              | Quantitative description of goal in either numerical values or percentages                                                                                                                                                                                           | Quantitative description of actual performance in either numerical values or percentages                                                                                                                                                                                                                                                                                           |
| <p>T - Voltage Regulators</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.</p> | <p>Reliable operation of voltage regulators requires that all components of these devices be in serviceable condition. These devices have a number of mechanical and electrical parts that require special attention. The maintenance program for voltage regulators includes procedures that provide for testing and planned maintenance to assure the integrity of these components and the overall performance of the voltage regulators.</p> | <p>Maintenance was performed, as necessary, on transmission station feeder regulators and/or bus regulators as identified during monthly station inspections.</p> | <p>Based on experience and results of previous monthly station inspections, no transmission station feeder or bus regulator maintenance was planned in 2012 for OHTCO voltage regulators. Data from monthly station inspection programs is continually monitored</p> | <p>The maintenance performed on voltage regulators was the result of monthly station inspections and periodic infrared inspections. Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently</p> |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.a. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "d" Of Report 10 Is "Yes" ... Continued ...

| 1.           | 2.                                    | 3.                                   | 4.                                                                         | 5.                                                                                       |
|--------------|---------------------------------------|--------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Program name | Explanation of how goal were achieved | Description of extent of achievement | Quantitative description of goal in either numerical values or percentages | Quantitative description of actual performance in either numerical values or percentages |
|              |                                       |                                      |                                                                            | scheduled for repair or replacement of the voltage regulator.                            |

**Notes**

There are no Distribution assets associated with AEP Ohio Transmission Company.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10b. 4901:1-10-26 (B)(3)(f)(i) If Response In Column "D" Of Report 10 Is "No"**

| 1.           | 2.                                 | 3.                                         | 4.                                                                         | 5.                                                                                                |
|--------------|------------------------------------|--------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Program name | Cause(s) for not achieving goal(s) | Description of level of completion of goal | Quantitative description of goal in either numerical values or percentages | Quantitative description of level of completion of goal in either numerical values or percentages |
|              |                                    |                                            |                                                                            |                                                                                                   |

**Notes**

There are no Distribution assets associated with AEP Ohio Transmission Company.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity**

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity**

| 1.                                                                                                                                                                                                                                                                                                                                         | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7.                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                               | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Estimated<br>completion<br>date |
| <p>D - Capacitor Banks</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.</p> | DS                                                                                                               | <p>Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs are made shortly after</p> | <p>Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs are made shortly after</p> | 12/31/2012                   | <p>Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs are made shortly after the condition is identified.</p> | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity**

| 1.                                                                                                                                                                                                                          | 2.                                                                                                               | 3.                                                 | 4.                              | 5.                           | 6.                                          | 7.                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed  | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|                                                                                                                                                                                                                             |                                                                                                                  | the condition is<br>identified.                    | the condition is<br>identified. |                              |                                             |                                 |
| D - Circuit and Line<br>Inspections<br><br>GOAL - Conduct<br>overhead circuit<br>inspections based on<br>a five year cycle that<br>results in an annual<br>inspection of 20% of<br>the overhead<br>distribution facilities. | D                                                                                                                | N/A                                                | N/A                             | 12/31/2012                   | N/A                                         | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                    | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7.                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                          | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                               | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Estimated<br>completion<br>date |
| <p>D - Circuit Breakers and Reclosers</p> <p>GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.</p> | DS                                                                                                               | Of the maintenance performed on substation circuit breakers and reclosers during 2012, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, gas leaks, deteriorated oil based on test results, deteriorated or worn internal tank components (interrupters, elevated contact resistance, moisture intrusion), compressor system problems, and mechanism problems. | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Gas leaks are addressed based on the severity and the location of the gas leak. If the gas leak is severe, a complete overhaul of the circuit breaker may be required which would be scheduled as soon as practical. Deteriorated oil is typically cleaned and reclaimed by filtering at the time of the circuit breaker/recloser internal inspection, or replaced with new oil if the level | 12/31/2012                   | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Gas leaks are addressed based on the severity and the location of the gas leak. If the gas leak is severe, a complete overhaul of the circuit breaker may be required which would be scheduled as soon as practical. Deteriorated oil is typically cleaned and reclaimed by filtering at the time of the circuit breaker/recloser internal inspection, or replaced with new oil if the level of deterioration warrants. | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Estimated<br>completion<br>date |
|              |                                                                                                                  |                                                    | of deterioration warrants. Deteriorated or worn internal components are typically replaced or repaired during the circuit breaker/recloser internal inspection, however, judgment is used on continued serviceability and the circuit breaker may be placed on an accelerated inspection schedule. Compressor system problems and mechanism problems are addressed when found as these conditions can affect the timing and operation of the circuit breaker or recloser. Any moisture |                              | Deteriorated or worn internal components are typically replaced or repaired during the circuit breaker/recloser internal inspection, however, judgment is used on continued serviceability and the circuit breaker may be placed on an accelerated inspection schedule. Compressor system problems and mechanism problems are addressed when found as these conditions can affect the timing and operation of the circuit breaker or recloser. Any moisture intrusion is typically corrected at the time of the internal inspection. |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                  | 2.                                                                                                               | 3.                                                 | 4.                                                                             | 5.                           | 6.                                          | 7.                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                        | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                 | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|                                                                                                                                                                                     |                                                                                                                  |                                                    | intrusion is typically<br>corrected at the time of<br>the internal inspection. |                              |                                             |                                 |
| D - Conductors<br>(Overhead Conductor<br>Replacement)<br><br>GOAL - Replacement<br>of overhead<br>conductors<br>installation based on<br>age, condition and<br>reliability history. | D                                                                                                                |                                                    |                                                                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                           | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                 | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| D - Conductors<br>(Underground Cable<br>Rejuvenation)<br><br>GOAL - Replacement<br>of primary<br>underground cable<br>based on age,<br>condition and<br>reliability history. | D                                                                                                                |                                                    |                                |                              |                                             |                                 |
| D - Conductors<br>(Underground Cable<br>Replacement)<br><br>GOAL - Rejuvenation<br>of primary<br>underground cable<br>based on age,<br>condition and<br>reliability history. | D                                                                                                                |                                                    |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                         | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                               | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| D - Line Capacitors<br><br>GOAL - Inspect all<br>line capacitors<br>annually.                                                                              | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Line Electronic<br>Reclosers<br>(Inspections)<br><br>GOAL - Full<br>inspection annually<br>plus a second<br>inspection each year<br>for battery check. | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                             | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                   | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| D - Line<br>NonElectronic<br>Reclosers<br>(Inspections)<br><br>GOAL - Inspect all<br>nonelectronic line<br>reclosers annually. | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Line Reclosers<br>(Maintenance)<br><br>GOAL - Maintain<br>reclosers on a 6 (+/-)<br>year cycle.                            | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                           | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                 | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| D - Line Reclosers<br>(New Vacuum<br>Replacements)<br><br>GOAL - Replace<br>hydraulic reclosers<br>with new vacuum<br>interrupting reclosers | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Network System<br>(Vaults)<br><br>GOAL - Inspect all<br>vaults annually.                                                                 | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Network System<br>(Manholes)<br><br>GOAL - Inspect<br>network manholes on<br>a four year cycle.                                          | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                   | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                         | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| D - Network System<br>(Protectors)<br><br>GOAL - Inspect all<br>network protectors<br>annually.                                      | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Network System<br>(Transformers)<br><br>GOAL - Inspect all<br>network transformers<br>annually.                                  | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Padmounted<br>Transformers<br><br>GOAL - Five year<br>inspection cycle of<br>underground primary<br>and secondary<br>enclosures. | D                                                                                                                |                                                    |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                        | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
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| Program name                                                                                                                                                                                                              | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| D - Poles (Inspection)<br><br>GOAL - The program consists of a detailed inspection of company owned wood poles once every 10 years for all non-CCA poles in service 15 years or longer and CCA poles in service pre-1986. | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Poles (Reinforcement)<br><br>GOAL - Reinforcement of poles with internal or external decay and inadequate strength.                                                                                                   | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                               | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                                     | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| D - Poles<br>(Replacement)<br><br>GOAL - Replacement<br>of poles with internal<br>or external decay and<br>inadequate strength<br>that are not<br>reinforceable. | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |
| D - Poles (Treatment)<br><br>GOAL - Treatment of<br>poles with internal or<br>external decay but<br>adequate strength.                                           | D                                                                                                                | N/A                                                | N/A                            | 12/31/2012                   | N/A                                         | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4.                                                                                                                                                                                                                                                                                                                     | 5.                           | 6.                                                                                                                                                                                                                                                                                                                     | 7.                              |
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| Program name                                                                                                                                                                                                                                                                                                                                                                                                           | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Remedial activity<br>performed                                                                                                                                                                                                                                                                                         | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                            | Estimated<br>completion<br>date |
| <p>D - Protection and Control</p> <p>GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program</p> | DS                                                                                                               | <p>Most of the relay systems were found to be in good operating condition and did not require any corrective maintenance. In some instances, the Protection and Control maintenance program identified relays and relay schemes that were inoperative or partially inoperative due to dirty contacts, coils, associated wiring, or other components. Relays that were found to be inaccurate or inoperative were recalibrated or in some cases replaced if the physical condition warranted. Relay</p> | <p>Any deficiencies identified were either rectified at the time of discovery or as soon as replacement parts were available. The problems that were identified and corrected helped to ensure the safety of our system, reduce outages to customers, and prevent possible damage to other power system equipment.</p> | 12/31/2012                   | <p>Any deficiencies identified were either rectified at the time of discovery or as soon as replacement parts were available. The problems that were identified and corrected helped to ensure the safety of our system, reduce outages to customers, and prevent possible damage to other power system equipment.</p> | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                  | 2.                                                                                                               | 3.                                                                                                                                                                                                                                       | 4.                             | 5.                           | 6.                                          | 7.                              |
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| Program name                                                                                                                                                        | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                       | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment. |                                                                                                                  | schemes that failed to operate as designed due to component failure were restored to full functionality through a number of means including the cleaning of contacts, the adjustment of components, and the replacement of failed parts. |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
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| Program name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| <p>D - Right-of-Way<br/>Vegetation Control</p> <p>GOAL - Vegetation<br/>management is a<br/>long term program<br/>(more than a year or<br/>two) and contains<br/>work prescriptions<br/>which include: type of<br/>treatment<br/>(mechanical, manual,<br/>herbicide) based on<br/>tree and<br/>environmental<br/>conditions; priority<br/>and schedule of<br/>treatment by<br/>line/circuit; and cost<br/>of treatment. As the<br/>plan progresses over<br/>time, these work<br/>prescriptions will</p> | D                                                                                                                |                                                    |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                             | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                   | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| change based on the size and type of vegetation. The initial prescription for clearing an easement may include several types of activity such as: trimming, removing, mowing and spraying. AEP's Forestry staff and contractors continuously work to insure the appropriate prescription is utilized to increase effectiveness and efficiency. |                                                                                                                  |                                                    |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                             | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.                                                                                                                                                                                                                                                                                                                           | 5.                           | 6.                                                                                                                                                                                                                                                                                                                           | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                   | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Remedial activity<br>performed                                                                                                                                                                                                                                                                                               | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                  | Estimated<br>completion<br>date |
| <p>D - Station Inspections</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.</p> | DS                                                                                                               | <p>The replacement of burned out control panel and equipment lights are accomplished during the inspection. Also, station batteries are inspected for corroded terminals and any abnormal cells. Terminals are cleaned and any abnormalities are reported into the tablet computers. Battery ground lights are checked which could indicate a possible ground in the DC system, and the overall battery voltage and battery charger voltage and current are taken and recorded, with the battery charger output</p> | <p>Typically many of the minor items discovered as part of the Station Inspection Program can be and are remedied during the inspection. The level of resources required and the severity of the findings determine the scheduling and response if the situation cannot be dealt with during the time of the inspection.</p> | 12/31/2012                   | <p>Typically many of the minor items discovered as part of the Station Inspection Program can be and are remedied during the inspection. The level of resources required and the severity of the findings determine the scheduling and response if the situation cannot be dealt with during the time of the inspection.</p> | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  | voltage adjusted as necessary during the inspection. Control house heaters, air conditioning units or heat pumps are checked to ensure these devices are operating properly. Station grounds are inspected with special attention to the fence and gates to ensure the station is secure. Any problems with the fence or gate are repaired. If permanent repairs cannot be completed at this time it is noted in the tablet computers and temporary repairs are made. During the inspection personnel |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                                                                               | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                               | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  | inspect the yards,<br>structures and<br>equipment for broken<br>insulators, bird nests<br>and other yard debris. |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7.                              |
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| Program name                                                                                                                                                                                                                                                                                                                                                                                                                     | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                   | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Estimated<br>completion<br>date |
| <p>D - Transformers</p> <p>GOAL - The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all</p> | DS                                                                                                               | Of the maintenance performed on substation transformers during 2012, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, surge arresters that were found deteriorated by test, minor oil leaks, cooling system debris, temperature gauge problems, Load Tap Changer (LTC) contact wear, minor gas system leaks, and Load Tap Changer (LTC) filtration unit problems. | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Surge arresters found deteriorated based on test results are addressed by an accelerated testing schedule or a scheduled replacement. Typically, most minor oil leaks and minor gas system leaks are addressed in as much as practical on site during preventive maintenance however, leaks that cannot be easily repaired would be scheduled for repair | 12/31/2012                   | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Surge arresters found deteriorated based on test results are addressed by an accelerated testing schedule or a scheduled replacement. Typically, most minor oil leaks and minor gas system leaks are addressed in as much as practical on site during preventive maintenance however, leaks that cannot be easily repaired would be scheduled for repair | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.            | 2.                                                                                                               | 3.                                                 | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7.                              |
|---------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name  | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Estimated<br>completion<br>date |
| transformers. |                                                                                                                  |                                                    | based on the severity of the condition and the level of resources required. Load Tap Changer contacts exhibiting excessive wear are generally replaced during the LTC inspection process and LTC filtration units are maintained as conditions warrant. Debris in transformer cooling systems (radiators) are typically removed when found, however, transformers with coolers instead of radiators require high-pressure washing which must be scheduled. Defective gauges found are either |                              | based on the severity of the condition and the level of resources required. Load Tap Changer contacts exhibiting excessive wear are generally replaced during the LTC inspection process and LTC filtration units are maintained as conditions warrant. Debris in transformer cooling systems (radiators) are typically removed when found, however, transformers with coolers instead of radiators require high-pressure washing which must be scheduled. Defective gauges found are either recalibrated or scheduled |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                                                                                      | 5.                           | 6.                                                      | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                          | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed             | Estimated<br>completion<br>date |
|              |                                                                                                                  |                                                    | recalibrated or<br>scheduled for<br>replacement in the<br>normal course of<br>business. |                              | for replacement in the<br>normal course of<br>business. |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                              | 4.                                                                                                                                                                                                                                                                                                              | 5.                           | 6.                                                                                                                                                                                                                                                                                                              | 7.                              |
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| Program name                                                                                                                                                                                                                                                                                                                                     | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                              | Remedial activity<br>performed                                                                                                                                                                                                                                                                                  | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                     | Estimated<br>completion<br>date |
| <p>D - Voltage Regulators</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.</p> | DS                                                                                                               | <p>Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.</p> | <p>Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.</p> | 12/31/2012                   | <p>Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator.</p> | 12/31/2012                      |

**American Electric Power**  
**AEP Ohio Transmission Company**  
**Rule #26**  
**2012**  
**Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                         | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 7.                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                               | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Estimated<br>completion<br>date |
| <p>T - Capacitor Banks</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for capacitor bank problems by replacing limited lifetime components in a timely manner.</p> | TS                                                                                                               | <p>Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs are made shortly after</p> | <p>Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs are made shortly after</p> | 12/31/2012                   | <p>Prior to each peak load season (winter and/or summer) station capacitor banks are checked, typically during a monthly station inspection, to make sure that the unit is operating properly and will be available when called upon to support system voltages. Should a component failure, such as a capacitor can, fuse or vacuum bottle, be identified as part of the monthly station inspections, the failed unit is simply replaced with a new unit. Typically these repairs are made shortly after the condition is identified.</p> | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                              | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed  | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  | the condition is<br>identified.                    | the condition is<br>identified. |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                     | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                               | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                           | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                               | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Estimated<br>completion<br>date |
| <p>T - Circuit Breakers and Reclosers</p> <p>GOAL - The goals of this program are to (1) prevent misoperations or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for circuit breaker problems by replacing limited lifetime components in a timely manner.</p> | TS                                                                                                               | Of the maintenance performed on substation circuit breakers and reclosers during 2012, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, gas leaks, deteriorated oil based on test results, deteriorated or worn internal tank components (interrupters, elevated contact resistance, moisture intrusion), compressor system problems, and mechanism problems. | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Gas leaks are addressed based on the severity and the location of the gas leak. If the gas leak is severe, a complete overhaul of the circuit breaker may be required which would be scheduled as soon as practical. Deteriorated oil is typically cleaned and reclaimed by filtering at the time of the circuit breaker/recloser internal inspection, or replaced with new oil if the level | 12/31/2012                   | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Gas leaks are addressed based on the severity and the location of the gas leak. If the gas leak is severe, a complete overhaul of the circuit breaker may be required which would be scheduled as soon as practical. Deteriorated oil is typically cleaned and reclaimed by filtering at the time of the circuit breaker/recloser internal inspection, or replaced with new oil if the level of deterioration warrants. | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Estimated<br>completion<br>date |
|              |                                                                                                                  |                                                    | of deterioration warrants. Deteriorated or worn internal components are typically replaced or repaired during the circuit breaker/recloser internal inspection, however, judgment is used on continued serviceability and the circuit breaker may be placed on an accelerated inspection schedule. Compressor system problems and mechanism problems are addressed when found as these conditions can affect the timing and operation of the circuit breaker or recloser. Any moisture |                              | Deteriorated or worn internal components are typically replaced or repaired during the circuit breaker/recloser internal inspection, however, judgment is used on continued serviceability and the circuit breaker may be placed on an accelerated inspection schedule. Compressor system problems and mechanism problems are addressed when found as these conditions can affect the timing and operation of the circuit breaker or recloser. Any moisture intrusion is typically corrected at the time of the internal inspection. |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                                                                             | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                 | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  |                                                    | intrusion is typically<br>corrected at the time of<br>the internal inspection. |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                         | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 7.                              |
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| Program name                                                                                                                                                                                                                               | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                         | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Estimated<br>completion<br>date |
| <p>T - Line Inspections</p> <p>GOAL - The intent of line inspections is to check the present condition of a line and determine if any of its components exhibit a near term potential to fail and cause an outage or a safety problem.</p> | T                                                                                                                | <p>A major portion of the conditions found involved structural components such as poles, crossarms, guying and hardware. Insulator problems (chipped, burned, broken) and conductor/shieldwire problems were the next largest group of conditions found. Relatively fewer conditions involved transmission corridor problems such as easement encroachments, landslides or washouts. Various miscellaneous conditions were also noted including, among</p> | <p>The line conditions remedied included the most severe structural conditions while the more moderate structural conditions were noted for subsequent corrective action. Defective insulators requiring immediate attention were also replaced. Urgent transmission corridor problems were dealt with immediately, while others may require longer-term litigation or engineering studies to resolve. Additionally, many corrective actions were made to facilities during restoration efforts</p> | 07/30/2012                   | <p>The line conditions remedied included the most severe structural conditions while the more moderate structural conditions were noted for subsequent corrective action. Defective insulators requiring immediate attention were also replaced. Urgent transmission corridor problems were dealt with immediately, while others may require longer-term litigation or engineering studies to resolve. Additionally, many corrective actions were made to facilities during restoration efforts following major storm activity.</p> | 07/30/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.           | 2.                                                                                                               | 3.                                                                                                         | 4.                                 | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                         | Remedial activity<br>performed     | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  | other things, missing<br>structure numbering<br>signs, damaged FAA<br>markings and foreign<br>attachments. | following major storm<br>activity. |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                   | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4.                                                                                                                                                                               | 5.                           | 6.                                                                                                                                                                               | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                         | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Remedial activity<br>performed                                                                                                                                                   | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                      | Estimated<br>completion<br>date |
| <p>T - Line Maintenance</p> <p>GOAL - The intent of line maintenance is to avoid line outages and/or safety concerns whenever practical and to minimize the duration of outages when they occur.</p> | T                                                                                                                | <p>Data collected as part of the line inspection program is analyzed and categorized to establish a work plan. The most serious items detected that can lead to line outages and/or safety hazards, such as broken poles or cross-arms, are scheduled for prompt corrective action. Less serious problems, such as loose bolts or broken ground wires, which have little or no chance of causing outages or safety issues are catalogued as non-critical and scheduled for replacement or repair in</p> | <p>Typically, these problems are corrected as general line maintenance is performed but, in some cases, may become part of a capital line rebuild or rehabilitation program.</p> | 03/29/2012                   | <p>Typically, these problems are corrected as general line maintenance is performed but, in some cases, may become part of a capital line rebuild or rehabilitation program.</p> | 03/29/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  | a timely, but less critical<br>manner.             |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                     | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4.                                                                                                                                                                                                                                                                                                                     | 5.                           | 6.                                                                                                                                                                                                                                                                                                                     | 7.                              |
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| Program name                                                                                                                                                                                                                                                                                                                                                                                                           | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Remedial activity<br>performed                                                                                                                                                                                                                                                                                         | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                            | Estimated<br>completion<br>date |
| <p>T - Protection and Control</p> <p>GOAL - Protective relaying schemes continually monitor the power system and protect lines and station equipment from damage by isolating those facilities from system disturbances. These sophisticated protective systems are designed to minimize the number of customer outages, safety issues and pieces of equipment affected. The objectives of the maintenance program</p> | TS                                                                                                               | <p>Most of the relay systems were found to be in good operating condition and did not require any corrective maintenance. In some instances, the Protection and Control maintenance program identified relays and relay schemes that were inoperative or partially inoperative due to dirty contacts, coils, associated wiring, or other components. Relays that were found to be inaccurate or inoperative were recalibrated or in some cases replaced if the physical condition warranted. Relay</p> | <p>Any deficiencies identified were either rectified at the time of discovery or as soon as replacement parts were available. The problems that were identified and corrected helped to ensure the safety of our system, reduce outages to customers, and prevent possible damage to other power system equipment.</p> | 12/31/2012                   | <p>Any deficiencies identified were either rectified at the time of discovery or as soon as replacement parts were available. The problems that were identified and corrected helped to ensure the safety of our system, reduce outages to customers, and prevent possible damage to other power system equipment.</p> | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                  | 2.                                                                                                               | 3.                                                                                                                                                                                                                                       | 4.                             | 5.                           | 6.                                          | 7.                              |
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| Program name                                                                                                                                                        | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                       | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| are to prevent misoperation or failures of station equipment; minimize customer outages; minimize maintenance call-outs and maximize the life of station equipment. |                                                                                                                  | schemes that failed to operate as designed due to component failure were restored to full functionality through a number of means including the cleaning of contacts, the adjustment of components, and the replacement of failed parts. |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                               | 3.                                                 | 4.                             | 5.                           | 6.                                          | 7.                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                                                                                     | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
| <p>T - Right-of-Way<br/>Vegetation Control</p> <p>GOAL - The intent of<br/>right of way<br/>maintenance is to<br/>minimize line outages<br/>and/or safety hazards<br/>caused by vegetation<br/>growing too near<br/>energized<br/>conductors. Trees,<br/>shrubs and vines that<br/>have the potential to<br/>grow or fall into<br/>transmission lines<br/>must be removed or<br/>their growth<br/>contained.</p> | T                                                                                                                |                                                    |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                             | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 4.                                                                                                                                                                                                                                                                                                                           | 5.                           | 6.                                                                                                                                                                                                                                                                                                                           | 7.                              |
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| Program name                                                                                                                                                                                                                                                                                                                                   | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Remedial activity<br>performed                                                                                                                                                                                                                                                                                               | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                  | Estimated<br>completion<br>date |
| <p>T - Station Inspections</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures and/or safety hazards by identifying and correcting problems during scheduled inspections; and (2) reduce customer outages and associated call-outs for station problems by detecting problems and correcting them in a timely manner.</p> | TS                                                                                                               | <p>The replacement of burned out control panel and equipment lights are accomplished during the inspection. Also, station batteries are inspected for corroded terminals and any abnormal cells. Terminals are cleaned and any abnormalities are reported into the tablet computers. Battery ground lights are checked which could indicate a possible ground in the DC system, and the overall battery voltage and battery charger voltage and current are taken and recorded, with the battery charger output</p> | <p>Typically many of the minor items discovered as part of the Station Inspection Program can be and are remedied during the inspection. The level of resources required and the severity of the findings determine the scheduling and response if the situation cannot be dealt with during the time of the inspection.</p> | 12/31/2012                   | <p>Typically many of the minor items discovered as part of the Station Inspection Program can be and are remedied during the inspection. The level of resources required and the severity of the findings determine the scheduling and response if the situation cannot be dealt with during the time of the inspection.</p> | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.           | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  | voltage adjusted as necessary during the inspection. Control house heaters, air conditioning units or heat pumps are checked to ensure these devices are operating properly. Station grounds are inspected with special attention to the fence and gates to ensure the station is secure. Any problems with the fence or gate are repaired. If permanent repairs cannot be completed at this time it is noted in the tablet computers and temporary repairs are made. During the inspection personnel |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.           | 2.                                                                                                               | 3.                                                                                                               | 4.                             | 5.                           | 6.                                          | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------------------|---------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                               | Remedial activity<br>performed | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed | Estimated<br>completion<br>date |
|              |                                                                                                                  | inspect the yards,<br>structures and<br>equipment for broken<br>insulators, bird nests<br>and other yard debris. |                                |                              |                                             |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7.                              |
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| Program name                                                                                                                                                                                                                                                                                                                                                                                                                     | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                                                                                                                                                   | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Estimated<br>completion<br>date |
| <p>T - Transformers</p> <p>GOAL - The goals of this program are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; (2) reduce safety hazards, customer outages and associated call-outs for transformer problems by replacing limited lifetime components in a timely manner; and (3) utilize best practices and technology to achieve optimum loading of all</p> | TS                                                                                                               | Of the maintenance performed on substation transformers during 2012, typical problems discovered are summarized as follows - bushings that exhibited elevated power factor test results, surge arresters that were found deteriorated by test, minor oil leaks, cooling system debris, temperature gauge problems, Load Tap Changer (LTC) contact wear, minor gas system leaks, and Load Tap Changer (LTC) filtration unit problems. | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Surge arresters found deteriorated based on test results are addressed by an accelerated testing schedule or a scheduled replacement. Typically, most minor oil leaks and minor gas system leaks are addressed in as much as practical on site during preventive maintenance however, leaks that cannot be easily repaired would be scheduled for repair | 12/31/2012                   | Typical remediation for bushings that exhibited elevated power factor readings would be an accelerated testing schedule or a scheduled replacement. Surge arresters found deteriorated based on test results are addressed by an accelerated testing schedule or a scheduled replacement. Typically, most minor oil leaks and minor gas system leaks are addressed in as much as practical on site during preventive maintenance however, leaks that cannot be easily repaired would be scheduled for repair | 12/31/2012                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.            | 2.                                                                                                               | 3.                                                 | 4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 5.                           | 6.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 7.                              |
|---------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name  | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Estimated<br>completion<br>date |
| transformers. |                                                                                                                  |                                                    | based on the severity of the condition and the level of resources required. Load Tap Changer contacts exhibiting excessive wear are generally replaced during the LTC inspection process and LTC filtration units are maintained as conditions warrant. Debris in transformer cooling systems (radiators) are typically removed when found, however, transformers with coolers instead of radiators require high-pressure washing which must be scheduled. Defective gauges found are either |                              | based on the severity of the condition and the level of resources required. Load Tap Changer contacts exhibiting excessive wear are generally replaced during the LTC inspection process and LTC filtration units are maintained as conditions warrant. Debris in transformer cooling systems (radiators) are typically removed when found, however, transformers with coolers instead of radiators require high-pressure washing which must be scheduled. Defective gauges found are either recalibrated or scheduled |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...

| 1.           | 2.                                                                                                               | 3.                                                 | 4.                                                                                      | 5.                           | 6.                                                      | 7.                              |
|--------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------|---------------------------------|
| Program name | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity | Remedial activity<br>performed                                                          | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed             | Estimated<br>completion<br>date |
|              |                                                                                                                  |                                                    | recalibrated or<br>scheduled for<br>replacement in the<br>normal course of<br>business. |                              | for replacement in the<br>normal course of<br>business. |                                 |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.c. 4901:1-10-26 (B)(3)(f)(iii) Remedial Activity ... Continued ...**

| 1.                                                                                                                                                                                                                                                                                                                                               | 2.                                                                                                               | 3.                                                                                                                                                                                                                                                                                                       | 4.                                                                                                                                                                                                                                                                                                       | 5.                           | 6.                                                                                                                                                                                                                                                                                                       | 7.                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| Program name                                                                                                                                                                                                                                                                                                                                     | Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Program finding(s)<br>causing remedial<br>activity                                                                                                                                                                                                                                                       | Remedial activity<br>performed                                                                                                                                                                                                                                                                           | Actual<br>completion<br>date | Remedial activity<br>yet to be<br>performed                                                                                                                                                                                                                                                              | Estimated<br>completion<br>date |
| <p>T - Voltage Regulators</p> <p>GOAL - The goals are to (1) prevent unplanned outages or failures by identifying and correcting problems during scheduled inspections; and (2) reduce safety hazards, customer outages and associated call-outs for voltage regulator problems by replacing limited lifetime components in a timely manner.</p> | TS                                                                                                               | Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator. | Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator. | 12/31/2012                   | Typical problems discovered are loose connections, control cabinet problems, or control problems associated with an excessive number of tap changer operations. These problems when found are either resolved at that time or subsequently scheduled for repair or replacement of the voltage regulator. | 12/31/2012                      |

**Notes**

There are no Distribution assets associated with AEP Ohio Transmission Company.

**American Electric Power**  
**AEP Ohio Transmission Company**  
**Rule #26**  
**2012**  
**Electric Service And Safety Standards**

**10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals**

| 1.                                                                                                               | 2.                                              | 3.                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution<br>substation "DS" | Program name                                    | Program goals                                                                                                                                                                                                                |
| DS                                                                                                               | D - Capacitor Banks                             | Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance. |
| D                                                                                                                | D - Circuit and Line Inspections                | N/A                                                                                                                                                                                                                          |
| DS                                                                                                               | D - Circuit Breakers and Reclosers              | 2013 Goal = 0 external inspections and maintenance 2013 Goal = 0 internal inspections and maintenance.                                                                                                                       |
| D                                                                                                                | D - Conductors (Overhead Conductor Replacement) | N/A                                                                                                                                                                                                                          |
| D                                                                                                                | D - Conductors (Underground Cable Rejuvenation) | N/A                                                                                                                                                                                                                          |
| D                                                                                                                | D - Conductors (Underground Cable Replacement)  | N/A                                                                                                                                                                                                                          |
| D                                                                                                                | D - Line Capacitors                             | N/A                                                                                                                                                                                                                          |
| D                                                                                                                | D - Line Electronic Reclosers (Inspections)     | N/A                                                                                                                                                                                                                          |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals ... Continued ...**

| 1.                                                                                                               | 2.                                                | 3.            |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution<br>substation "DS" | Program name                                      | Program goals |
| D                                                                                                                | D - Line NonElectronic Reclosers<br>(Inspections) | N/A           |
| D                                                                                                                | D - Line Reclosers (Maintenance)                  | N/A           |
| D                                                                                                                | D - Line Reclosers (New Vacuum<br>Replacements)   | N/A           |
| D                                                                                                                | D - Network System (Vaults)                       | N/A           |
| D                                                                                                                | D - Network System (Manholes)                     | N/A           |
| D                                                                                                                | D - Network System (Protectors)                   | N/A           |
| D                                                                                                                | D - Network System (Transformers)                 | N/A           |
| D                                                                                                                | D - Padmounted Transformers                       | N/A           |
| D                                                                                                                | D - Poles (Inspection)                            | N/A           |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals ... Continued ...**

| 1.                                                                                                               | 2.                                  | 3.                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution<br>substation "DS" | Program name                        | Program goals                                                                                                                                                                                                                                                                                                                                                       |
| D                                                                                                                | D - Poles (Reinforcement)           | N/A                                                                                                                                                                                                                                                                                                                                                                 |
| D                                                                                                                | D - Poles (Replacement)             | N/A                                                                                                                                                                                                                                                                                                                                                                 |
| D                                                                                                                | D - Poles (Treatment)               | N/A                                                                                                                                                                                                                                                                                                                                                                 |
| DS                                                                                                               | D - Protection and Control          | 2013 Goal = 0 D - discrete relay calibrations 2013 Goal = 0 D - functional trip tests on relay trip paths.                                                                                                                                                                                                                                                          |
| D                                                                                                                | D - Right-of-Way Vegetation Control | N/A                                                                                                                                                                                                                                                                                                                                                                 |
| DS                                                                                                               | D - Station Inspections             | 2013 Goal = inspect 0 distribution stations on a monthly basis.                                                                                                                                                                                                                                                                                                     |
| DS                                                                                                               | D - Transformers                    | 2013 Goal = 0 minor external inspections and maintenance 2013 Goal = 0 major internal inspections and maintenance.                                                                                                                                                                                                                                                  |
| DS                                                                                                               | D - Voltage Regulators              | Based on experience and results of previous monthly station inspections, no distribution station feeder or bus regulator maintenance was planned in 2013 for OHTCO voltage regulators. Data from monthly station inspection programs is continually monitored and evaluated. If necessary, regulator maintenance will be performed as equipment conditions warrant. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals ... Continued ...**

| 1.                                                                                                               | 2.                                  | 3.                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution<br>substation "DS" | Program name                        | Program goals                                                                                                                                                                                                                |
| TS                                                                                                               | T - Capacitor Banks                 | Since capacitor banks are comprised of sealed units, with essentially no moving parts, minimal maintenance is required. Any maintenance that is required is normally scheduled to coincide with station breaker maintenance. |
| TS                                                                                                               | T - Circuit Breakers and Reclosers  | 2013 Goal = 0 external inspections and maintenance 2013 Goal = 0 internal inspections and maintenance.                                                                                                                       |
| T                                                                                                                | T - Line Inspections                | 2013 Goal = Inspect 100% of OHTCO transmission lines.                                                                                                                                                                        |
| T                                                                                                                | T - Line Maintenance                | The 2013 goal is to schedule and perform transmission line maintenance, as necessary, based on issues identified during inspections.                                                                                         |
| TS                                                                                                               | T - Protection and Control          | 2013 Goal = 0 T - discrete relay calibrations 2013 Goal = 0 T - functional trip tests on relay trip paths.                                                                                                                   |
| T                                                                                                                | T - Right-of-Way Vegetation Control | 2013 Goal = maintain 25 miles of transmission line right-of-way.                                                                                                                                                             |
| TS                                                                                                               | T - Station Inspections             | 2013 Goal = inspect 0 transmission stations on a monthly basis.                                                                                                                                                              |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**10.d. 4901:1-10-26 (B)(3)(f) Current Year Goals ... Continued ...**

| 1.                                                                                                               | 2.                     | 3.                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS", or<br>distribution<br>substation "DS" | Program name           | Program goals                                                                                                                                                                                                                                                                                                                                                       |
| TS                                                                                                               | T - Transformers       | 2013 Goal = 0 minor external inspections and maintenance 2013 Goal = 0 major internal inspections and maintenance.                                                                                                                                                                                                                                                  |
| TS                                                                                                               | T - Voltage Regulators | Based on experience and results of previous monthly station inspections, no transmission station feeder or bus regulator maintenance was planned in 2013 for OHTCO voltage regulators. Data from monthly station inspection programs is continually monitored and evaluated. If necessary, regulator maintenance will be performed as equipment conditions warrant. |

**Notes**

There are no Distribution assets associated with AEP Ohio Transmission Company.

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**11. 4901:1-10-26 (B)(3)(f)(iv) Prevention Of Overloading Or Excessive Loading Of Facilities And Equipment Program(s)**

| a.                                                 | b.                            | c.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Transmission<br>or<br>Distribution<br>("T" or "D") | Program or plan name          | Program Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| T                                                  | Transmission Planning process | The planning process, as carried out in the eastern AEP area, provides the focus for establishing an appropriate level of system reliability. The planning process includes seasonal assessments of system performance; near term facility addition studies; and long term strategic planning. The planning process typically begins with a deterministic appraisal of transmission system performance. When such appraisals identify potential problems, detailed studies are conducted to evaluate the severity of the problem and to develop an optimal plan to remove or mitigate the deficiency. The projects listed in Tables 1 and 4 are the network reinforcements for the transmission systems of the Company for the next few years. |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities**

**Program Name = Transmission Planning process**

| a.                                        | b.               | c.                          | d.                                                                                                                                                                                                                                                                                                                                                                                           | e.                        | f.                                            | g.                     |
|-------------------------------------------|------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------|------------------------|
| Transmission or distribution ("T" or "D") | Sub/Circuit name | Date overloading identified | Plans to remedy overloading                                                                                                                                                                                                                                                                                                                                                                  | Estimated completion date | Action(s) already taken to remedy overloading | Actual completion date |
| T                                         |                  | 01/01/2012                  | AEP and ATSI 2015 Generation retirements flagged overloads in the Coshocton area and vicinity for which system improvements need to be implemented to alleviate such. Among these are sag analysis of sag derated line, building of new circuits, reliability enhancements among others. It is not known at this time if any transmission circuit outages will be addressed by this project. | 07/01/2015                | none                                          |                        |
| T                                         |                  | 01/01/2012                  | AEP and ATSI 2015 Generation retirements flagged overloads in the Southeastern Ohio area for which system improvements need to be implemented to alleviate such. Among these are sag analysis of sag derated line, building of new circuits, reliability enhancements among others. It is not known at this time if any transmission circuit outages will be addressed by this project.      | 07/01/2015                | none                                          |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities ... Continued ...**

**Program Name = Transmission Planning process**

| a.                                        | b.               | c.                          | d.                                                                                                                                                                                                                                                                                                 | e.                        | f.                                            | g.                     |
|-------------------------------------------|------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------|------------------------|
| Transmission or distribution ("T" or "D") | Sub/Circuit name | Date overloading identified | Plans to remedy overloading                                                                                                                                                                                                                                                                        | Estimated completion date | Action(s) already taken to remedy overloading | Actual completion date |
| T                                         |                  | 12/12/2012                  | N-1-1 overload identified in PJM's 2017 RTEP model. 138 kV through path upgrades will resolve all identified overloads. Operational procedures may be required until project can be completed. It is not known at this time if any transmission circuit outages will be addressed by this project. | 12/01/2019                | none                                          |                        |
| T                                         |                  | 12/12/2012                  | N-1-1 overload identified in PJM's 2017 RTEP model. 138 kV through path upgrades will resolve all identified overloads. Operational procedures may be required until project can be completed. It is not known at this time if any transmission circuit outages will be addressed by this project. | 12/01/2019                | none                                          |                        |
| T                                         |                  | 09/10/2009                  | Rebuild 19 miles of Bixby - West Lancaster 138 kV line. It is not known at this time if any transmission circuit outages will be addressed by this project.                                                                                                                                        | 05/01/2014                | none                                          |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**12. 4901:1-10-26 (B)(3)(f)(v) Actions To Remedy Overloading Or Excessive Loading Of Equipment And Facilities ... Continued ...**

**Program Name = Transmission Planning process**

| a.                                        | b.               | c.                          | d.                                                                                                                                                                                                                                                            | e.                        | f.                                            | g.                     |
|-------------------------------------------|------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------------------------------------------|------------------------|
| Transmission or distribution ("T" or "D") | Sub/Circuit name | Date overloading identified | Plans to remedy overloading                                                                                                                                                                                                                                   | Estimated completion date | Action(s) already taken to remedy overloading | Actual completion date |
| T                                         |                  | 09/10/2009                  | Reconductor the Bixby - Three C - Groves, and the Bixby - Groves 138 kV double circuit lines. Reconductor the Bexley - Groves 138 kV circuit. It is not known at this time if any transmission circuit outages will be addressed by this project.             | 06/01/2014                | none                                          |                        |
| T                                         |                  | 05/03/2010                  | This project includes rebuilding 5.96 miles of 138 kV line between Sterling and Rockhill Station which will alleviate future overloads identified by PJM. It is not known at this time if any transmission circuit outages will be addressed by this project. | 06/01/2013                | none                                          |                        |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**13. 4901:1-10-26 (B)(3)(f)(vi) Programs Deleted**

| a.                                                                                                            | b.                   |
|---------------------------------------------------------------------------------------------------------------|----------------------|
| Transmission "T",<br>distribution "D",<br>transmission substation<br>"TS", or distribution<br>substation "DS" | Deleted program name |
|                                                                                                               |                      |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**14. 4901:1-10-26 (B)(3)(f)(vi) Programs Modified**

| a.                                                                                                            | b.                    |
|---------------------------------------------------------------------------------------------------------------|-----------------------|
| Transmission "T",<br>distribution "D",<br>transmission substation<br>"TS", or distribution<br>substation "DS" | Modified program name |
|                                                                                                               |                       |

**American Electric Power  
AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**15. 4901:1-10-26 (B)(3)(f)(vi) Program Added**

| a.                                                                                                               | b.                 |
|------------------------------------------------------------------------------------------------------------------|--------------------|
| Transmission "T",<br>distribution "D",<br>transmission<br>substation "TS",<br>or distribution<br>substation "DS" | Added program name |
|                                                                                                                  |                    |

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AEP Ohio Transmission Company  
Rule #26  
2012  
Electric Service And Safety Standards**

**16. 4901:1-10-26 (B)(4) Service Interruptions Due To Other Entity**

| a.                   | b.                   | c.                                  | d.                                      | e.                                                  | f.                         | g.                                  |
|----------------------|----------------------|-------------------------------------|-----------------------------------------|-----------------------------------------------------|----------------------------|-------------------------------------|
| Date of interruption | Time of interruption | Type of entity causing interruption | Name of entity causing the interruption | Impact on transmission or distribution ("T" or "D") | Sub/Circuit(s) interrupted | Cause(s) of interruption of service |
|                      |                      |                                     |                                         |                                                     |                            |                                     |

**Notes**

There were no Service Interruptions due to Other Entities in 2012.

**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**3/28/2013 3:19:49 PM**

**in**

**Case No(s). 13-0996-EL-ESS**

Summary: Report -Annual Report of the AEP Ohio Transmission Company electronically filed by Mr. Steven T Nourse on behalf of AEP Ohio Transmission Company