

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Annual Report of

Pursuant to Rule 10 of the Electric
Service and Safety Standards, Ohio
Administrative Code 4901:1-10-10

:
:
:
:
:
:

Case No. 13-

**ANNUAL REPORT
OF THE COLUMBUS SOUTHERN POWER COMPANY COMPANY**

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

Report Date & Time: April 01, 2013 9:37 am

**American Electric Power
Columbus Southern Power Company
Rule #10
2012
Distribution System Reliability Report**

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

1. 4901:1-10-(C)(1)

**CAIDI - Customer Average Interruption Duration
Index (In Minutes)**

a.	b.	c.
CAIDI Performance Standard	CAIDI After Exclusions	CAIDI Before Exclusions
135.17	140.35	1,284.87

2. 4901:1-10-(C)(1)

SAIFI - System Average Interruption Frequency Index

a.	b.	c.
SAIFI Performance Standard	SAIFI After Exclusions	SAIFI Before Exclusions
1.54	1.11	2.13

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

3. 4901:1-10-(C)(1) Supporting Data Report

a.	b.	c.	d.	e.
Number Of Customers Served	Number Of Customer Interruptions After Exclusions	Number Of Customer Interruptions Before Exclusions	Number Of Customer Minutes Interrupted After Exclusions	Number Of Customer Minutes Interrupted Before Exclusions
746,024	826,165	1,591,573	115,953,360	2,044,964,023

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

4. 4901:1-10-10(C)(2) Major Event Outage (MEO)

a.	b.	c.	d.	e.	f.
Major Event Date	Major Event Description	Customers Interrupted During MEO	Customer Minutes Interrupted During MEO	CAIDI During MEO (in minutes)	SAIFI During MEO
06/29/2012	Major Event Day- Derecho	392,449	1,342,474,929	3,420.76	0.53
06/30/2012	Major Event Day- Derecho	47,234	188,812,666	3,997.39	0.06
07/01/2012	Major Event Day- Derecho	42,364	80,851,100	1,908.49	0.06
07/02/2012	Major Event Day- Derecho	24,177	35,265,593	1,458.64	0.03
07/03/2012	Major Event Day- Derecho & Additional Storms	19,772	54,171,220	2,739.79	0.03
07/04/2012	Major Event Day- Derecho & Additional Storms	26,195	25,903,687	988.88	0.04
07/05/2012	Major Event Day- Derecho & Additional Storms	32,500	28,927,318	890.07	0.04
07/06/2012	Major Event Day- Derecho & Additional Storms	12,490	12,709,157	1,017.55	0.02
07/26/2012	Major Event Day- Storms	27,020	8,357,442	309.31	0.04

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
01/23/2012	1763 - Corwin - Poston	3:21 pm	138	Unknown By Weather	188,034
01/25/2012	120000 - Wade - Leight Run Tap	11:27 pm	23	Unknown By Weather	245,310
01/30/2012	120000 - Wade - Leight Run Tap	6:35 pm	23	Vehicle Accident/Auto Damage	205,023
02/07/2012	1780 - Adams - Rarden	11:14 am	69	Equipment/Hardware Failure	2,813
02/07/2012	1810 - Hayden Sw. - Roberts No. 2	5:45 pm	69	Scheduled/Planned Outage	96
02/11/2012	1774 - Seaman - Sardinia	3:06 pm	69	Equipment/Hardware Failure	716,626
02/29/2012	120003 - Macksburg - Highland Ridge	11:52 pm	23	Unknown	540

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
03/02/2012	1774 - Seaman - Sardinia	5:31 pm	69	Unknown By Weather	412,776
03/10/2012	1758 - Pedro - Superior	8:02 am	69	Scheduled/Planned Outage	258,021
03/24/2012	120004 - North End - Mill Creek Tap	6:26 pm	23	Unknown	39,904
04/26/2012	1574 - Conesville - Trent	3:16 am	138	Lightning	108,537
05/01/2012	1780 - Adams - Rarden	7:36 pm	69	Trees Inside ROW	56,088
05/01/2012	1780 - Adams - Rarden	7:38 pm	69	Trees Out of ROW	50,623
05/04/2012	2090 - Berlin (CSP) - Floodwood	9:33 pm	69	Lightning	298,206

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
05/05/2012	120005 - Kimberly Extension	12:15 pm	138	Scheduled/Planned Outage	125,580
05/22/2012	1796 - Briggsdale - Wilson	12:00 am	40	Equipment/Hardware Failure	82,474
06/08/2012	1854 - Blendon - Morse	6:48 pm	138	Equipment/Hardware Failure	406,115
06/16/2012	1780 - Adams - Rarden	5:07 am	69	Scheduled/Planned Outage	93,268
06/29/2012	1823 - Bethel - Sawmill	4:53 pm	138	High Winds	589,316
06/29/2012	1826 - Clinton - Karl Road	5:02 pm	138	Load Shed	12,645,697
06/29/2012	1854 - Blendon - Morse	5:04 pm	138	High Winds	38,811,711

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
06/29/2012	1798 - Trabue Extension	5:19 pm	138	Trees Inside ROW	85,570
06/29/2012	1826 - Clinton - Karl Road	5:23 pm	138	Load Shed	3,650,378
06/29/2012	1770 - Buckskin - Highland (CSP)	5:32 pm	69	High Winds	1,983,422
06/29/2012	1002048798 - Adena - Buckskin	5:57 pm	69	High Winds	1,705,530
06/29/2012	1002048798 - Adena - Buckskin	5:57 pm	69	Trees Out of ROW	1,393,780
06/29/2012	1002048798 - Adena - Buckskin	5:58 pm	69	Trees Out of ROW	648,384

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
06/29/2012	2090 - Berlin (CSP) - Floodwood	6:01 pm	69	High Winds	11,939,442
06/29/2012	1745 - Elliott - Ohio University	6:15 pm	69	High Winds	11,469,817
06/29/2012	1001811697 - Corner - Muskingum River	6:16 pm	138	High Winds	1,280,437
06/29/2012	120003 - Macksburg - Highland Ridge	6:22 pm	23	High Winds	1,971,867
06/29/2012	1745 - Elliott - Meigs	6:25 pm	69	High Winds	5,363,294
06/29/2012	1001811198 - Mill Creek - Riverview	6:27 pm	138	High Winds	4,544,712

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
06/29/2012	1001811697 - Corner - Shell	6:30 pm	138	High Winds	1,406,050
06/29/2012	1002457060 - Willow Island (APS) - Mill Creek	6:34 pm	138	High Winds	4,804,805
06/29/2012	1821 - Madison - Picway	6:44 pm	69	Trees Inside ROW	33,594
06/29/2012	1001811034 - Gorsuch - Mill Creek	6:47 pm	138	High Winds	2,713,748
06/29/2012	1002457060 - Willow Island (APS) - Mill Creek	6:47 pm	138	High Winds	1,123,838
06/29/2012	1806 - Canal Road - Wooster 69kV	6:47 pm	69	High Winds	4,037

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
06/29/2012	1001811198 - Mill Creek - Riverview	8:39 pm	138	High Winds	6,031,666
06/30/2012	1001811242 - Riverview - Waverly (APS)	2:35 am	138	High Winds	8,735
06/30/2012	1578 - Crooksville - Poston	5:53 am	138	High Winds	5,798,285
06/30/2012	1770 - Buckskin - Highland (CSP)	8:38 am	69	High Winds	147,395
06/30/2012	1802 - Roberts - Bethel	9:01 am	138	High Winds	617,610
06/30/2012	1834 - Genoa - Westerville	11:34 am	69	High Winds	3,826,610

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
06/30/2012	1796 - Briggsdale - Wilson	4:47 pm	40	Trees Inside ROW	70,930
06/30/2012	1802 - Roberts - Bethel	7:49 pm	138	High Winds	9,922
07/01/2012	1800 - West - Wilson Road	4:42 pm	40	Trees Inside ROW	64,432
07/01/2012	1862 - Beatty - Canal Street	6:53 pm	138	Trees Inside ROW	76,818
07/01/2012	1821 - Madison - Picway	11:39 pm	69	Trees Inside ROW	12,160
07/02/2012	1821 - Madison - Picway	9:54 am	69	Trees Inside ROW	12,810
07/02/2012	1862 - Beatty - Canal Street	10:32 am	138	Trees Inside ROW	4,545
07/02/2012	1834 - Genoa - Westerville	4:07 pm	69	Equipment/Hardware Failure	8,034,802

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
07/02/2012	1826 - Clinton - Karl Road	4:28 pm	138	Load Shed	1,435,971
07/02/2012	1826 - Clinton - Karl Road	5:49 pm	138	Load Shed	200,016
07/02/2012	1821 - Madison - Picway	7:32 pm	69	Trees Inside ROW	1,257
07/03/2012	120003 - Macksburg - Highland Ridge	1:33 pm	23	High Winds	774
07/04/2012	1826 - Clinton - Karl Road	1:26 pm	138	Ice/Sleet/Snow	137,808
07/05/2012	1826 - Clinton - Karl Road	2:32 pm	138	High Winds	213
07/18/2012	1826 - Clinton - Karl Road	1:50 pm	138	Lightning	6,817,222
07/18/2012	1826 - Clinton - Karl Road	2:55 pm	138	Lightning	3,661,981

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
07/18/2012	1826 - Clinton - Karl Road	2:55 pm	138	Other	630,276
07/19/2012	1754 - Meigs - Coolville	3:43 pm	69	Scheduled/Planned Outage	167,940
07/26/2012	1434 - Millbrook Park - Pedro Sw.	7:10 pm	69	Other	78,080
07/27/2012	1434 - Millbrook Park - Pedro Sw.	2:30 am	69	Other	28,792
07/27/2012	120000 - Wade - Leight Run Tap	3:28 pm	23	Lightning	197,073
09/21/2012	1834 - Genoa - Westerville	10:24 pm	69	Lightning	173,745
10/23/2012	1758 - Pedro - Superior	10:46 pm	69	Equipment/Hardware Failure	497,994

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
10/30/2012	1778 - Idaho (CSP) - Waverly	6:19 am	69	Other	520,234
10/30/2012	1778 - Idaho (CSP) - Waverly	10:32 am	69	Other	89,121
12/02/2012	1001811198 - Mill Creek - Riverview	5:30 pm	138	Unknown	49
12/10/2012	1791 - Berlin (CSP) - Lick - Ross	6:00 am	69	Scheduled/Planned Outage	34,968
12/21/2012	1791 - Ross - Highland	1:30 am	69	Scheduled/Planned Outage	265,980
12/25/2012	1802 - Roberts - Bethel	3:37 am	138	Equipment/Hardware Failure	1,330
12/26/2012	1821 - Madison - Picway	12:40 pm	69	Lightning	219,359

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.a. 4901:1-10-10(C)(2) Transmission Circuit Interruption Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.
Date Transmission Outage Began	Reference ID Of Transmission Circuit Impacted	Time Outage Occurred	Size (in kilovolts) Of Transmission Circuit Or Equipment Involved	Cause Of Outage Including Specific Type Of Equipment And/Or Facility Causing Interruption	Total Length Of Interruption (in minutes)
12/29/2012	1434 - Millbrook Park - Pedro Sw.	11:06 am	69	Ice/Sleet/Snow	31,234
12/29/2012	1434 - Millbrook Park - Pedro Sw.	12:48 pm	69	Other	169,951

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
01/23/2012	3,183	188,034	2	0142 - 0014201	1,527	106,890
				0142 - 0014202	1,656	81,144
01/25/2012	602	245,310	1	0331 - 0033171	602	245,310
01/30/2012	981	205,023	3	0331 - 0033171	675	111,375
				0331 - 0033172	150	30,000
				0339 - 0033972	156	63,648
02/07/2012	19	2,813	4	0189 - 0018901	1	136
				0189 - 0018902	1	136
				0191 - 0019131	16	2,176
				0193 - 0019303	1	365
02/07/2012	16	96	1	0191 - 0019131	16	96
02/11/2012	2,184	716,626	2	0155 - 0015501	501	149,953

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0155 - 0015502	1,683	566,673
02/29/2012	5	540	2	0313 - 0031371	2	204
				0313 - 0031372	3	336
03/02/2012	2,184	412,776	2	0155 - 0015501	501	94,689
				0155 - 0015502	1,683	318,087
03/10/2012	1,163	258,021	1	0166 - 0016602	1,163	258,021
03/24/2012	344	39,904	2	0317 - 0031771	280	32,480
				0317 - 0031774	64	7,424
04/26/2012	719	108,537	3	0272 - 0027201	7	1,057
				0272 - 0027231	348	53,244
				0272 - 0027232	364	54,236
05/01/2012	559	56,088	1	0191 - 0019132	559	56,088

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
05/01/2012	898	50,623	4	0160 - 0016001	895	49,225
				0189 - 0018901	1	543
				0189 - 0018902	1	543
				0193 - 0019303	1	312
05/04/2012	4,701	298,206	5	0103 - 0010303	502	26,606
				0228 - 0022801	1,139	91,120
				0228 - 0022802	610	50,630
				0228 - 0022803	1,364	72,292
				0228 - 0022804	1,086	57,558
05/05/2012	1,092	125,580	1	0118 - 0011805	1,092	125,580
05/22/2012	472	82,474	1	0020 - 0002001	472	82,474
06/08/2012	7,047	406,115	2	0056 - 0005631	3,341	183,755

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0056 - 0005632	3,706	222,360
06/16/2012	269	93,268	2	0191 - 0019131	15	5,130
				0191 - 0019132	254	88,138
06/29/2012	364	589,316	1	0085 - 0008504	364	589,316
06/29/2012	2,846	12,645,697	2	0009 - 0000912	1,495	6,637,800
				0009 - 0000914	1,351	6,007,897
06/29/2012	7,056	38,811,711	2	0056 - 0005631	3,344	25,908,799
				0056 - 0005632	3,712	12,902,912
06/29/2012	10	85,570	1	0036 - 0003602	10	85,570
06/29/2012	827	3,650,378	1	0009 - 0000922	827	3,650,378
06/29/2012	1,813	1,983,422	1	0154 - 0015403	1,813	1,983,422
06/29/2012	1,135	1,393,780	1	0279 - 0027902	1,135	1,393,780

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
06/29/2012	1,390	1,705,530	1	0279 - 0027903	1,390	1,705,530
06/29/2012	528	648,384	1	0279 - 0027901	528	648,384
06/29/2012	1,765	11,939,442	2	0228 - 0022801	1,144	6,488,916
				0228 - 0022802	621	5,450,526
06/29/2012	3,156	11,469,817	2	0113 - 0011301	1,978	6,950,770
				0113 - 0011302	1,178	4,519,047
06/29/2012	867	1,280,437	1	0295 - 0029502	867	1,280,437
06/29/2012	337	1,971,867	1	0313 - 0031373	337	1,971,867
06/29/2012	661	5,363,294	1	0388 - 0038801	661	5,363,294
06/29/2012	2,110	4,544,712	2	0316 - 0031675	1,176	2,146,200
				0316 - 0031676	934	2,398,512
06/29/2012	201	1,406,050	2	0318 - 0031872	200	1,401,400

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0318 - 0031875	1	4,650
06/29/2012	1,421	4,804,805	2	0319 - 0031971	1,328	4,617,245
				0319 - 0031972	93	187,560
06/29/2012	6	33,594	1	0008 - 0000801	6	33,594
06/29/2012	1	4,037	1	0013 - 0001310	1	4,037
06/29/2012	1,632	2,713,748	3	0310 - 0031071	924	1,199,352
				0310 - 0031074	230	681,720
				0310 - 0031075	478	832,676
06/29/2012	2,002	1,123,838	3	0340 - 0034071	688	620,576
				0340 - 0034072	30	11,490
				0340 - 0034073	1,284	491,772
06/29/2012	3,092	6,031,666	4	0316 - 0031671	113	262,612

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0316 - 0031672	550	795,850
				0316 - 0031673	1,080	1,519,560
				0316 - 0031674	1,349	3,453,644
06/30/2012	3	8,735	3	0320 - 0032072	1	1,148
				0320 - 0032073	1	1,147
				0320 - 0032076	1	6,440
06/30/2012	2,520	5,798,285	3	0230 - 0023001	513	131,841
				0230 - 0023002	693	2,539,426
				0230 - 0023003	1,314	3,127,018
06/30/2012	719	147,395	1	0154 - 0015404	719	147,395
06/30/2012	105	617,610	1	0026 - 0002607	105	617,610
06/30/2012	2,129	3,826,610	3	0055 - 0005501	228	343,824

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0055 - 0005502	442	1,215,500
				0055 - 0005503	1,459	2,267,286
06/30/2012	10	70,930	1	0073 - 0007303	10	70,930
06/30/2012	1	9,922	1	0026 - 0002610	1	9,922
07/01/2012	16	64,432	1	0020 - 0002004	16	64,432
07/01/2012	14	76,818	1	0273 - 0027301	14	76,818
07/01/2012	5	12,160	1	0008 - 0000802	5	12,160
07/02/2012	7	12,810	1	0008 - 0000801	7	12,810
07/02/2012	1	4,545	1	0273 - 0027301	1	4,545
07/02/2012	6,456	8,034,802	3	0055 - 0005501	1,905	3,396,615
				0055 - 0005502	2,095	3,798,235
				0055 - 0005503	2,456	839,952

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
07/02/2012	10,009	1,435,971	8	0009 - 0000917	2,060	321,360
				0009 - 0000918	1,716	252,252
				0009 - 0000919	1,992	302,784
				0009 - 0000920	641	94,868
				0042 - 0004201	707	89,082
				0042 - 0004202	926	119,454
				0042 - 0004205	1,506	195,780
				0042 - 0004208	461	60,391
07/02/2012	2,778	200,016	1	0009 - 0000913	2,778	200,016
07/02/2012	1	1,257	1	0008 - 0000802	1	1,257
07/03/2012	5	774	2	0313 - 0031371	2	264
				0313 - 0031372	3	510

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
07/04/2012	29	137,808	1	0029 - 0002910	29	137,808
07/05/2012	1	213	1	0029 - 0002909	1	213
07/18/2012	20,946	6,817,222	11	0009 - 0000901	1,892	543,004
				0009 - 0000902	2,052	582,768
				0009 - 0000903	1,648	579,174
				0009 - 0000905	1,908	551,412
				0009 - 0000908	1,411	567,222
				0009 - 0000910	2,627	782,846
				0009 - 0000912	1,509	422,520
				0009 - 0000913	3,005	1,000,470
				0009 - 0000919	1,994	881,348
				0009 - 0000920	1,078	418,162

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0009 - 0000921	1,822	488,296
07/18/2012	1,982	630,276	1	0009 - 0000911	1,982	630,276
07/18/2012	12,728	3,661,981	11	0009 - 0000904	1,425	389,025
				0009 - 0000906	1,392	393,936
				0009 - 0000907	662	189,994
				0009 - 0000909	1	322
				0009 - 0000914	1,362	373,188
				0009 - 0000915	2,307	759,003
				0009 - 0000916	884	229,840
				0009 - 0000917	2,042	553,382
				0009 - 0000918	1,715	505,925
				0009 - 0000922	823	236,201

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0012 - 0001210	115	31,165
07/19/2012	1,699	167,940	2	0129 - 0012902 0388 - 0038801	931 768	116,484 51,456
07/26/2012	488	78,080	2	0161 - 0016101 0161 - 0016102	272 216	43,520 34,560
07/27/2012		28,792	2	0161 - 0016101 0161 - 0016102	272 216	16,048 12,744
07/27/2012		197,073	4	0331 - 0033171 0331 - 0033172 0339 - 0033971 0339 - 0033972	670 150 569 153	85,760 19,050 72,832 19,431
09/21/2012	6,435	173,745	3	0055 - 0005501	1,883	50,841

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
				0055 - 0005502	2,090	56,430
				0055 - 0005503	2,462	66,474
10/23/2012	1,169	497,994	1	0166 - 0016602	1,169	497,994
10/30/2012	1,177	520,234	1	0248 - 0024801	1,177	520,234
10/30/2012	487	89,121	1	0248 - 0024802	487	89,121
12/02/2012	1	49	1	0316 - 0031691	1	49
12/10/2012	4,371	34,968	4	0179 - 0017901	1,116	8,928
				0179 - 0017902	772	6,176
				0187 - 0018701	1,379	11,032
				0187 - 0018702	1,104	8,832
12/21/2012	341	265,980	1	0109 - 0010902	341	265,980
12/25/2012	10	1,330	1	0026 - 0002612	10	1,330

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.b. 4901:1-10-10(C)(2) Distribution Circuits Impacted By Transmission Outage(s) Supporting Data ... Continued ...

1.	2.	3.	4.	5.	6.	7.
Date The Transmission Outage Began	Customers Interrupted Per Transmission Outage	Customer Minutes Interrupted Per Transmission Outage	The Number Of Distribution Circuits Impacted	Circuit Reference ID For Each Of The Distribution Circuits Impacted By The Interruption	Customers Interrupted By Distribution Circuit Reference ID	Customer Minutes Interrupted By Distribution Circuit Reference ID
12/26/2012	1,394	219,359	2	0008 - 0000801	501	79,158
				0008 - 0000802	893	140,201
12/29/2012	322	31,234	1	0134 - 0013401	322	31,234
12/29/2012	1,160	169,951	1	0134 - 0013402	1,160	169,951

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
01/23/2012	59	0.00
01/25/2012	407	0.00
01/30/2012	209	0.00
02/07/2012	148	0.00
02/07/2012	6	0.00
02/11/2012	328	0.00
02/29/2012	108	0.00
03/02/2012	189	0.00
03/10/2012	222	0.00

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
03/24/2012	116	0.00
04/26/2012	151	0.00
05/01/2012	100	0.00
05/01/2012	56	0.00
05/04/2012	63	0.01
05/05/2012	115	0.00
05/22/2012	175	0.00
06/08/2012	58	0.01
06/16/2012	347	0.00

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
06/29/2012	1,619	0.00
06/29/2012	4,443	0.00
06/29/2012	5,501	0.01
06/29/2012	8,557	0.00
06/29/2012	4,414	0.00
06/29/2012	1,094	0.00
06/29/2012	1,228	0.00
06/29/2012	1,227	0.00
06/29/2012	1,228	0.00

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
06/29/2012	6,765	0.00
06/29/2012	3,634	0.00
06/29/2012	1,477	0.00
06/29/2012	5,851	0.00
06/29/2012	8,114	0.00
06/29/2012	2,154	0.00
06/29/2012	6,995	0.00
06/29/2012	3,381	0.00
06/29/2012	5,599	0.00

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
06/29/2012	4,037	0.00
06/29/2012	1,663	0.00
06/29/2012	561	0.00
06/29/2012	1,951	0.00
06/30/2012	2,912	0.00
06/30/2012	2,301	0.00
06/30/2012	205	0.00
06/30/2012	5,882	0.00
06/30/2012	1,797	0.00

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
06/30/2012	7,093	0.00
06/30/2012	9,922	0.00
07/01/2012	4,027	0.00
07/01/2012	5,487	0.00
07/01/2012	2,432	0.00
07/02/2012	1,830	0.00
07/02/2012	4,545	0.00
07/02/2012	1,245	0.01
07/02/2012	143	0.01

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
07/02/2012	72	0.00
07/02/2012	1,257	0.00
07/03/2012	155	0.00
07/04/2012	4,752	0.00
07/05/2012	213	0.00
07/18/2012	325	0.03
07/18/2012	318	0.00
07/18/2012	288	0.02
07/19/2012	99	0.00

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
07/26/2012	160	0.00
07/27/2012	59	0.00
07/27/2012	128	0.00
09/21/2012	27	0.01
10/23/2012	426	0.00
10/30/2012	442	0.00
10/30/2012	183	0.00
12/02/2012	49	0.00
12/10/2012	8	0.01

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

5.c. 4901:1-10-10(C)(2) Index Values During Transmission Outage(s) Supporting Data

... Continued ...

1.	2.	3.
Date Transmission Outage Began	CAIDI For Period Of Outage (minutes)	SAIFI For Period Of Outage
12/21/2012	780	0.00
12/25/2012	133	0.00
12/26/2012	157	0.00
12/29/2012	97	0.00
12/29/2012	147	0.00

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

6.a. 4901:1-10-10(C)(3)(a) Data Excluding Major Events And Transmission Outages

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Accidental Ground	104	8,093	759,152
Animal/Bird	1,911	53,774	4,469,043
Blast/Explosion/Fire	1	27	11,880
Contamination/Flashover	36	1,517	283,748
Customer Equipment	62	735	84,210
Distribution Source	24	13,862	1,598,632
Equipment/Hardware Failure	4,521	245,826	35,258,113
Fire/Police	49	3,889	434,226
Flooding/Slide	4	1,492	22,194
Ice/Sleet/Snow	76	4,629	1,049,187
Lightning	685	44,705	7,582,793
Load Shed	0	0	0
Object on Line	39	3,886	422,725
Operations Incident	36	564	18,268
Other	183	18,106	1,994,240
Other Utility	21	2,742	516,493
Overload	123	5,662	915,404
Scheduled/Planned Outage	2,498	62,996	4,604,464

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

6.a. 4901:1-10-10(C)(3)(a) Data Excluding Major Events And Transmission Outages

... Continued ...

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Station Distribution	60	55,690	6,590,501
Tree/Vegetation Removal	59	1,131	126,101
Trees Inside ROW	764	39,692	8,555,607
Trees Out of ROW	1,317	89,839	19,385,309
UG, Const./Dig-Ins	127	8,231	1,072,858
Unbalance	2	3	216
Unknown	1,216	61,941	6,608,440
Unknown By Weather	292	25,198	3,452,492
Vandalism	195	1,274	176,522
Vehicle Accident/Auto Damage	280	61,594	7,229,892
Weather, Wind Related	247	9,067	2,730,650

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

6.b. 4901:1-10-10(C)(3)(b) Data For Major Events Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Accidental Ground	1	320	462,080
Animal/Bird	24	427	171,558
Blast/Explosion/Fire	1	9	56,592
Contamination/Flashover	12	932	2,658,162
Customer Equipment	18	189	656,717
Distribution Source	16	3,944	17,572,937
Equipment/Hardware Failure	301	25,527	51,310,662
Fire/Police	2	26	17,690
Flooding/Slide	8	968	3,175,096
Ice/Sleet/Snow	0	0	0
Lightning	284	34,356	42,896,170
Load Shed	0	0	0
Object on Line	4	23	77,528
Operations Incident	0	0	0
Other	98	12,187	36,504,430
Other Utility	4	4	19,349
Overload	27	1,084	4,418,202

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

6.b. 4901:1-10-10(C)(3)(b) Data For Major Events Only

... Continued ...

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Scheduled/Planned Outage	23	5,846	3,793,670
Station Distribution	12	8,327	1,989,158
Tree/Vegetation Removal	7	124	544,442
Trees Inside ROW	375	41,135	113,640,261
Trees Out of ROW	744	73,079	156,237,567
UG, Const./Dig-Ins	1	11	2,893
Unbalance	1	1	96
Unknown	33	4,483	1,345,869
Unknown By Weather	141	45,351	84,285,122
Vandalism	2	5	97
Vehicle Accident/Auto Damage	9	5,187	566,705
Weather, Wind Related	2,707	360,656	1,255,070,059

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

6.c. 4901:1-10-10(C)(3)(c) Data For Transmission Outages Only

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Accidental Ground	0	0	0
Animal/Bird	0	0	0
Blast/Explosion/Fire	0	0	0
Contamination/Flashover	0	0	0
Customer Equipment	0	0	0
Distribution Source	0	0	0
Equipment/Hardware Failure	14	17,357	9,742,154
Fire/Police	0	0	0
Flooding/Slide	0	0	0
Ice/Sleet/Snow	2	351	169,042
Lightning	42	48,465	11,476,123
Load Shed	12	16,460	17,932,062
Object on Line	0	0	0
Operations Incident	0	0	0
Other	8	5,782	1,516,454
Other Utility	0	0	0
Overload	0	0	0
Scheduled/Planned Outage	12	8,951	945,853

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

6.c. 4901:1-10-10(C)(3)(c) Data For Transmission Outages Only

... Continued ...

Outage Cause	Events	Customers Interrupted	Customer Minutes Interrupted
Station Distribution	0	0	0
Tree/Vegetation Removal	0	0	0
Trees Inside ROW	10	629	418,204
Trees Out of ROW	6	2,561	2,092,787
UG, Const./Dig-Ins	0	0	0
Unbalance	0	0	0
Unknown	5	350	40,493
Unknown By Weather	5	5,969	846,120
Vandalism	0	0	0
Vehicle Accident/Auto Damage	3	981	205,023
Weather, Wind Related	44	33,351	106,153,236

7. 4901:1-10-(C)(4) Momentary Interruptions

Total Number =

**American Electric Power
AEP Ohio Transmission Company
Rule #10
2012
Distribution System Reliability Report**

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

4/1/2013 2:37:38 PM

in

Case No(s). 13-0780-EL-ESS

Summary: Report Columbus Southern Power Company Rule 10 Report electronically filed by Mr. Steven T Nourse on behalf of Columbus Southern Power Company