

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application)	
of Ohio Power Company to Update)	Case No. 16-1108-EL-RDR
The Energy Efficiency and Peak)	
Demand Reduction Rider)	

APPLICATION

1. Ohio Power Company d/b/a AEP Ohio (“Company”) is an electric light company, as that term is defined in §§ 4905.03 and 4928.01 (A)(7), Ohio Rev. Code.
2. In the Company’s initial Electric Security Plan (*ESP I*) proceeding (Case Nos. 08-917-EL-SSO and 08-918-EL-SSO), AEP Ohio proposed a comprehensive energy efficiency and peak demand reduction plan. As part of the *ESP I* decision, the Commission ordered AEP Ohio to move forward with the proposed programs and work with the collaborative to refine the process, and the Commission approved the then-empty Energy Efficiency/Peak Demand Reduction (EE/PDR) riders.
3. In the Company’s initial Portfolio Plan approval proceedings (Case Nos. 09-1089-EL-POR and 09-1090-EL-POR, collectively referred to as “2009 Portfolio cases”) the Commission approved a settlement that implemented the initial EE/PDR rider rates effective on the first billing cycle of June 2010. (May 13, 2010 Opinion and Order).
4. The decision in the 2009 Portfolio Plan cases also determined the ongoing process to update the Company’s EE/PDR riders. As agreed and ordered by the Commission, the riders shall be trued-up annually to actual program costs, net lost distribution revenues, and shared savings. The net lost distribution revenues

will be calculated based on a half-year convention. (May 13, 2010 Opinion and Order). The Order also found that the annual true-up of the Company's EE/PDR riders will be effective in the first billing cycle of July of 2010 and 2011. In addition, distribution lost revenues and shared savings calculations are to be based on the same data as approved by the Commission in the Company's annual compliance filings.

5. On March 23, 2011 the Commission rejected the Company's Application for Rehearing of decision in the 2009 Portfolio cases denying the Company's net lost distribution revenues on programs established in 2011. The 2011 portion of this filing, as further discussed below, is consistent with the Commission's determination that the Company will be permitted to continue to recover calendar year 2010 lost distribution revenue resulting from the implementation of EE/PDR programs through the existing Commission-approved program until such 2010 lost distribution revenue is recovered during 2011, and not from 2011 implementation.
6. On May 15, 2012 in Case No. 12-1557-EL-RDR, the Company filed an application for the 2009-2011 comprehensive update under the 2009 Portfolio Plan case.
7. On March 21, 2012 the Commission issued an Opinion and Order in Case Nos. 11-5568-EL-POR and 11-5569-EL-POR approving the Company's stipulated January 2012 – December 2014 portfolio plan (collectively referred to as "2012 Portfolio Plan cases")
8. On August 8, 2012 the Commission issued Opinion and Orders in Case Nos. 11-346-EL-SSO and 11-348-EL-SSO (*ESP II*) approving the merger of the

EE/PDR rider rates for the CSP and OP rate zones and, for the term of the modified ESP (January 2012-May 2015), continuing the EE/PDR rider as adopted in the *ESP I* Order. In addition, the Commission determined that because the IRP-D credit promotes energy efficiency, it is appropriate for AEP-Ohio to recover any costs associated with the IRP-D credit under the EE/PDR rider. In conformance with the Commission's authorization, the Company seeks authority to implement and true-up the Company's EE/PDR Riders granted in the 2012 Portfolio Plan case.

9. On May 15, 2013 in Case No. 13-1201-EL-RDR, the Company filed an application for the 2012-2014 comprehensive update under the 2012 Portfolio Plan case.
10. On May 15, 2014 in Case No. 14-0873-EL-RDR, the Ohio Power Company filed an application for the 2012-2014 comprehensive update under the 2012 Portfolio case. To date, there has been no Commission action on that filing.
11. On June 13, 2014 Senate Bill 310 became effective. The law implemented a two year freeze on standards that apply to electric utilities for renewable energy and energy efficiency effective September 12, 2014. A provision in the law allows utility companies to extend their approved energy efficiency portfolio plans, which the Company is doing. Therefore, the Company is proposing to update the 2015 forecast with actual expenses and include a forecast of 2016 Program Costs and Shared Savings in this case based on 2016 projected costs.
12. On July 30, 2014, the Commission issued a Finding and Order in Case No. 13-1201-EL-RDR modifying a formulaic error and approving the Company's

corrected rates under the 2012-2014 comprehensive update under the 2012 Portfolio Plan case.

13. On February 25, 2015 the Commission issued an Opinion and Order in Case Nos. 13-2385-EL-SSO and 13-2386-EL-SSO (*ESP III*) approving the Company's request to continue of the EE/PDR rider through the term of the *ESP III* (June 1, 2015-May 31, 2018).
14. On May 15, 2015 in Case No. 15-0960-EL-RDR, the Ohio Power Company filed an application for the 2012-2014 comprehensive update under the 2012 Portfolio case with a 2015-2016 projection as allowed by the SB 310 provision. To date, there has been no Commission action on that filing.
15. Because the Finding and Order Case No. 13-1201-EL-RDR approved actual revenue and costs from years of 2009-2011 in the 2009 Portfolio case and 2012 in the 2012 Portfolio Plan case, the Company is proposing updates to the EE/DPR riders in this case to include the 2013-2015 actual expenditures, as well as, the pass back of the net actual over recovery from 2009-2011 and collection of the 2016 forecast Program Costs and Shared Savings as mentioned above (in paragraph 11). Attachment 1 includes these updates. Attachment 2 includes redlined tariff pages reflecting the change in the rider after the proposed true-ups. Attachment 3 includes the 2016 typical bill comparisons, reflecting the proposed true-ups. The detail can be found in the attachment but a summary is provided here:

Columbus Southern Power Customers	Change in Typical Bill
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Residential	0.1%-0.3%
GS-1	(1.2%)-(1.5%)
GS-2	(1.1%)-(1.6%)
GS-3	((1.7%)-(2.0%)
GS-4	0.7%-0.8%
Ohio Power Customers	
Residential	0.1%-0.3%
GS-1	(1.1%)-(1.6%)
GS-2	(0.9%)-(1.6%)
GS-3	(1.5%)-(1.8%)
GS-4	0.7%-0.8%

16. Schedules 1 and 4 currently reflect the recovery of the 2012-2016 IRP-D tariffs and EE/PDR costs for transmission and sub-transmission through the EE/PDR. In case the Commission should agree with the Company's ESP III Extension filed on May 13, 2016 in Case No. 13-2385-EL-SSO and change the method of collection of the of these costs to transfer 50% of both the IRP-D credits and EE/PDR rider costs for transmission and subtransmission customers to the Economic Development Rider , or alternatively modify the IRP-D tariff recovery method, the Company is requesting authority, upon Commission Order, to file updated versions of Schedules 1 and 4 to reflect this change.
17. Schedule 5 implements the Commission's May 28, 2015 Second Entry on Rehearing in the ESP III (Paragraph 30, Case No. 13-2385-EL-SSO) which ordered as follows: "Ohio should bid the IRP-D related capacity resources into PJM's incremental capacity auctions held during the ESP term, to the extent that such capacity resources have not already been bid by the customer into any of PJM's auctions for the three delivery years of the ESP 3 term. The resulting revenues should be credited back to customers through the EE/PDR rider."

18. The Company proposes that its EE/PDR Riders become effective with the first billing cycle of August 2016 consistent with the March 21, 2012 Order in the 2012 Portfolio Plan case.

The Company's EE/PDR Riders are just and reasonable and are authorized by the Commission as part of their ESPs and the 2009 and 2012 Portfolio Plan cases.

WHEREFORE, the Company requests that the Commission approve this Application.

Respectfully submitted,

/s/ Steven T. Nourse

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ATTACHMENT 1

Calculation of Energy Efficiency and Peak Demand Reduction Rider January 2012 - December 2016
AEP Ohio

Tariffs	2009-2011 (Over) / Under	2012-2015 Actual & 2016 Forecast Program Costs	2012-2015 Actual & 2016 Forecast Shared Savings	Total	Actual 2012-2015 Rider Revenue	Remaining Rider Revenue To be Collected	2016 Forecasted Metered Energy (kWh)	EE&PDR Rider (\$/kWh)	Revenue Verification (\$)	2012-2015 Actual & 2016 Forecast IRP Portion EE&PDR Rider (\$/kWh)	Total EE&PDR Rider (\$/kWh)
RS	\$ 1,843,289	\$ 186,989,833	61,826,789	\$ 250,659,911	\$200,676,511	\$ 49,983,400	14,278,081,510	0.0035007	49,983,400	\$ 0.001437	\$ 0.0049373
All Other C&I	\$ (18,052,090)	\$ 162,217,978	85,219,770	\$ 229,385,658	\$224,833,435	\$4,552,223	19,608,635,079	0.0002322	4,552,223	\$ 0.001437	\$ 0.0016688
GS4/IRP	\$ (1,957,152)	\$ 17,007,695	8,934,749	\$ 23,985,292	\$23,867,499	\$117,793	9,324,325,698	0.0000126	117,793	\$ 0.001437	\$ 0.0014493
Total C&I	\$ (20,009,242)	\$ 179,225,674	94,154,518	\$ 253,370,950	\$248,700,934	\$4,670,016	28,932,960,777		4,670,016		
Total	\$ (18,165,953)	\$ 366,215,506	155,981,308	\$ 504,030,861	\$449,377,445	\$54,653,416	43,211,042,287		54,653,416		

Tariffs	2012-2015 Actual & 2016 Forecast IRP Credit Recovery	2015 Actual & 2016 Forecast Reasonable Arrg't & PJM EE Revenue Credits	Total Less: Revenue Credits	Forecasted Metered Energy (kWh)	IRP Portion EE&PDR Rider (\$/kWh)	Revenue Verification (\$)
RS	\$ 26,967,985	(\$6,455,565.41)	\$20,512,419.64	14,278,081,510	\$ 0.001437	20,512,420
All Other C&I	\$ 37,036,165	(\$8,865,674.72)	\$28,170,489.93	19,608,635,079	\$ 0.001437	28,170,490
GS4/IRP	\$ 17,611,489	(\$4,215,818.10)	\$13,395,670.94	9,324,325,698	\$ 0.001437	13,395,671
Total C&I	\$ 54,647,654	(\$13,081,493)	\$41,566,161	28,932,960,777		41,566,161
Total	\$ 81,615,639	(19,537,058.22)	\$62,078,581	43,211,042,287		62,078,581

**Calculation of Energy Efficiency and Peak Demand Reduction Rider January 2009 - December 2011
AEP Ohio**

<u>Tariffs</u>	<u>Program Costs</u> (\$)	<u>Net Lost Distribution Revenue</u> (\$)	<u>Shared Savings</u> (\$)	<u>Total</u> (\$)	<u>Allocation on Distribution Revenue</u> (\$)	<u>Allocated Total</u> (\$)	<u>Rider Revenue Actual thru Dec 2010 & Forecast Jan-Jun 2011</u> (\$)	<u>Total</u> (\$)	<u>Forecasted Metered Energy</u> (kWh)	<u>EE&PDR Rider</u> (\$/kWh)	<u>Revenue Verification</u> (\$)
RS	57,075,305	4,205,608	9,695,738	70,976,652		70,976,652	69,133,362	1,843,289	43,950,840,588	0.0000419	1,841,540
All Other C&I					631,181,747	63,935,019	81,987,109	(18,052,090)	57,861,196,265	(0.0003120)	(18,052,693)
GS4/IRP					60,994,558	6,178,392	8,135,544	(1,957,152)	42,627,425,500	(0.0000459)	(1,956,599)
Total C&I	55,606,968	927,481	13,578,962	70,113,411	692,176,305	70,113,411	90,122,653	(20,009,242)	100,488,621,765		(20,009,292)
Total	112,682,273	5,133,089	23,274,700	141,090,062		141,090,062	159,256,015	(18,165,953)	144,439,462,353		(18,167,752)

Source: Schedule1a from Application in Case No. 13-1201-EL-RDR filed on 5/15/2013 and approved by the Commission's 7/2/2014 Finding and Order.

Note: The Rider Revenue column is mislabeled. The amounts are the 2010-2011 Actual Rider Revenue.

**Annual Total Investments by Program
2012 - 2015 Actual & 2016 Estimate
AEP Ohio**

		Program Costs						
		Actual				Estimate	Total	
Program Name	Percent*	2012	2013	2014	2015	2016	2012-2016	
Residential Program								
Consumer Sector								
Products		\$ 10,808,536	\$ 12,078,924	\$ 15,175,590	\$ 10,344,878	\$ 10,663,859	\$ 59,071,787	
Recycling		\$ 2,841,627	\$ 3,615,443	\$ 3,262,502	\$ 2,166,604	\$ 2,132,772	\$ 14,018,948	
Retrofit		\$ 3,374,159	\$ 5,051,382	\$ 5,064,289	\$ 4,663,660	\$ 5,724,809	\$ 23,878,300	
Behavior Change		\$ 1,244,977	\$ 2,393,710	\$ 1,564,115	\$ 707,748	\$ 785,758	\$ 6,696,308	
New Construction		\$ 2,174,609	\$ 2,748,346	\$ 1,473,375	\$ 1,757,700	\$ 2,020,521	\$ 10,174,551	
e ³ SMART		\$ 914,636	\$ 697,447	\$ 968,677	\$ 953,003	\$ 1,122,510	\$ 4,656,273	
Community Assistance		\$ 7,469,722	\$ 12,739,555	\$ 11,709,065	\$ 6,651,548	\$ 8,755,590	\$ 47,325,479	
Research and Development		\$ 229,441	\$ 271,548	\$ 1,106,694	\$ 349,031	\$ 4,760,000	\$ 6,716,714	
Education and Training	20%	\$ 54,109	\$ 59,232	\$ 50,610	\$ 66,075	\$ 80,000	\$ 310,026	
Targeted Advertising	80%	\$ 5,253,503	\$ 3,532,724	\$ 1,095,077	\$ 1,823,844	\$ 2,240,000	\$ 13,945,149	
Codes and Standards		\$ 2,697	\$ 59,879	\$ 132,983	\$ 739	\$ -	\$ 196,298	
Residential Program Subtotal		\$ 34,368,016	\$ 43,248,190	\$ 41,602,978	\$ 29,484,830	\$ 38,285,819	\$ 186,989,833	
C&I Programs								
Prescriptive		\$ 17,174,822	\$ 14,532,913	\$ 13,294,968	\$ 16,162,075	\$ 16,388,668	\$ 77,553,447	
Custom		\$ 3,055,156	\$ 4,734,052	\$ 5,932,752	\$ 3,902,864	\$ 6,510,567	\$ 24,135,391	
Custom-CHP		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
New Construction		\$ 2,419,387	\$ 4,401,470	\$ 4,075,062	\$ 3,873,849	\$ 3,928,790	\$ 18,698,558	
Express		\$ 2,170,658	\$ 3,136,790	\$ 1,955,901	\$ 3,122,617	\$ 3,816,539	\$ 14,202,504	
Self Direct		\$ 2,887,520	\$ 2,007,237	\$ 726,127	\$ 949,885	\$ 2,245,023	\$ 8,815,792	
Demand Response		\$ 5,100	\$ 336	\$ -	\$ -	\$ -	\$ 5,436	
Retro-Commissioning		\$ 200,529	\$ 813,453	\$ 742,119	\$ 1,037,047	\$ 2,132,772	\$ 4,925,919	
Continuous Improvement		\$ 234,819	\$ 1,541,726	\$ 4,348,618	\$ 2,664,144	\$ 4,490,046	\$ 13,279,352	
Energy Efficiency Auction		\$ -	\$ 386,230	\$ 653,899	\$ 1,091,195	\$ 224,502	\$ 2,355,826	
Data Center		\$ 8,298	\$ 1,832,821	\$ 1,995,630	\$ 1,663,575	\$ 2,357,274	\$ 7,857,597	
Research and Development		\$ 61,459	\$ 494,470	\$ 747,549	\$ 460,426	\$ 840,000	\$ 2,603,905	
Education and Trainign	80%	\$ 216,435	\$ 236,927	\$ 202,440	\$ 264,301	\$ 320,000	\$ 1,240,103	
Targeted Advertising	20%	\$ 1,313,376	\$ 883,181	\$ 273,769	\$ 455,961	\$ 560,000	\$ 3,486,287	
Business Behavior Change		\$ -	\$ 26,212	\$ 24,565	\$ 14,778	\$ -	\$ 65,555	
C&I Program Subtotal		\$ 29,747,558	\$ 35,027,819	\$ 34,973,399	\$ 35,662,716	\$ 43,814,181	\$ 179,225,673	
Total Programs		\$ 64,115,574	\$ 78,276,008	\$ 76,576,377	\$ 65,147,546	\$ 82,100,000	\$ 366,215,506	

* The applicable percentage is 100% unless specific percent shown in column.

**Allocation of Program Costs by Company 2012 - 2015 Actual & 2016 Estimate
AEP Ohio Power Company**

<u>Tariffs</u>	Program Costs					<u>Estimate</u>	<u>Total</u>
	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>Actual</u>		
						<u>2016</u>	<u>2012-2016</u>
RS	\$ 34,368,016	\$ 43,248,190	\$ 41,602,978	\$ 29,484,830		\$ 38,285,819	\$ 186,989,833
All Other C&I	\$ 26,924,519	\$ 31,703,870	\$ 31,654,614	\$ 32,278,520		\$ 39,656,455	\$ 162,217,978
GS4/IRP	\$ 2,823,040	\$ 3,323,948	\$ 3,318,784	\$ 3,384,197		\$ 4,157,726	\$ 17,007,695
Total C&I	\$ 29,747,559	\$ 35,027,819	\$ 34,973,399	\$ 35,662,716		\$ 43,814,181	\$ 179,225,674
Total	\$ 64,115,574	\$ 78,276,008	\$ 76,576,377	\$ 65,147,546		\$ 82,100,000	\$ 366,215,506

**Actual 2012 AEP Ohio EE/PDR Shared Savings
Columbus Southern Power Company**

<u>Tariffs</u>	<u>2012 Net Benefits</u>	<u>Shared Savings 13%</u>	<u>Tax Gross-Up 56.130%</u>	<u>Pre-Tax Shared Savings</u>
RS	\$ 47,036,899	\$ 6,114,797	\$ 3,432,234	\$ 9,547,031
All Other C&I	\$ 35,403,107	\$ 4,602,404	\$ 2,583,328	\$ 7,185,732
GS4/IRP	\$ 2,639,208	\$ 343,097	\$ 192,580	\$ 535,677
Total C&I	\$ 38,042,315	\$ 4,945,501	\$ 2,775,908	\$ 7,721,409
Total	\$ 85,079,214	\$ 11,060,298	\$ 6,208,142	\$ 17,268,440

**Actual 2013 AEP Ohio EE/PDR Shared Savings
Columbus Southern Power Company**

<u>Tariffs</u>	<u>2013 Net Benefits</u>	<u>Shared Savings 13%</u>	<u>Tax Gross-Up 56.389%</u>	<u>Pre-Tax Shared Savings</u>
RS	\$ 38,341,585	\$ 4,984,406	\$ 2,810,647	\$ 7,795,053
All Other C&I	\$ 43,607,861	\$ 5,669,022	\$ 3,196,693	\$ 8,865,715
GS4/IRP	\$ 3,250,850	\$ 422,611	\$ 238,305	\$ 660,916
Total C&I	\$ 46,858,712	\$ 6,091,633	\$ 3,434,998	\$ 9,526,631
Total	\$ 85,200,297	\$ 11,076,039	\$ 6,245,645	\$ 17,321,683

**Actual 2014 AEP Ohio EE/PDR Shared Savings
Columbus Southern Power Company**

<u>Tariffs</u>	<u>2014 Net Benefits</u>	<u>Shared Savings 13%</u>	<u>Tax Gross-Up 55.762%</u>	<u>Pre-Tax Shared Savings</u>
RS	\$ 48,323,558	\$ 6,282,062	\$ 3,503,021	\$ 9,785,083
All Other C&I	\$ 54,825,135	\$ 7,127,268	\$ 3,974,326	\$ 11,101,594
GS4/IRP	\$ 4,087,068	\$ 531,319	\$ 296,275	\$ 827,594
Total C&I	\$ 58,912,203	\$ 7,658,586	\$ 4,270,602	\$ 11,929,188
Total	\$ 107,235,761	\$ 13,940,649	\$ 7,773,622	\$ 21,714,271

**Actual 2015 AEP Ohio EE/PDR Shared Savings
Columbus Southern Power Company**

<u>Tariffs</u>	<u>2015 Net Benefits</u>	<u>Shared Savings 13%</u>	<u>Tax Gross-Up 55.813%</u>	<u>Pre-Tax Shared Savings</u>
RS	\$ 43,731,197	\$ 5,685,056	\$ 3,170,116	\$ 8,855,172
All Other C&I	\$ 65,378,360	\$ 8,499,187	\$ 4,739,339	\$ 13,238,526
GS4/IRP	\$ 4,873,783	\$ 633,592	\$ 353,305	\$ 986,897
Total C&I	\$ 70,252,144	\$ 9,132,779	\$ 5,092,645	\$ 14,225,423
Total	\$ 113,983,340	\$ 14,817,834	\$ 8,262,761	\$ 23,080,595

**Estimated 2016 AEP Ohio EE/PDR Shared Savings
Columbus Southern Power Company**

<u>Tariffs</u>	<u>2016 Net Benefits</u>	<u>Shared Savings 13%</u>	<u>Tax Gross-Up 55.813%</u>	<u>Pre-Tax Shared Savings</u>
RS	\$ 43,956,401	\$ 5,714,332	\$ 3,186,441	\$ 8,900,773
All Other C&I	\$ 81,295,783	\$ 10,568,452	\$ 5,893,208	\$ 16,461,660
GS4/IRP	\$ 6,060,385	\$ 787,850	\$ 439,323	\$ 1,227,173
Total C&I	\$ 87,356,168	\$ 11,356,302	\$ 6,332,532	\$ 17,688,833
Total	\$ 131,312,569	\$ 17,070,634	\$ 9,518,973	\$ 26,589,607

**Actual 2012 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2012 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 56.130%	<u>Pre-Tax Shared Savings</u>
RS	\$ 39,503,774	\$ 5,135,490.64	\$ 2,882,550	\$ 8,018,040
All Other C&I	\$ 38,964,288	\$ 5,065,357	\$ 2,843,184	\$ 7,908,541
GS4/IRP	\$ 5,158,224	\$ 670,569	\$ 376,390	\$ 1,046,959
Total C&I	\$ 44,122,512	\$ 5,735,927	\$ 3,219,574	\$ 8,955,501
Total	\$ 83,626,287	\$ 10,871,417	\$ 6,102,124	\$ 16,973,541

**Actual 2013 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2013 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 56.389%	<u>Pre-Tax Shared Savings</u>
RS	\$ 32,201,046	\$ 4,186,135.97	\$ 2,360,512	\$ 6,546,648
All Other C&I	\$ 47,994,354	\$ 6,239,266	\$ 3,518,247	\$ 9,757,513
GS4/IRP	\$ 6,353,655	\$ 825,975	\$ 465,757	\$ 1,291,733
Total C&I	\$ 54,348,009	\$ 7,065,241	\$ 3,984,004	\$ 11,049,246
Total	\$ 86,549,055	\$ 11,251,377	\$ 6,344,516	\$ 17,595,893

**Actual 2014 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2014 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 55.762%	<u>Pre-Tax Shared Savings</u>
RS	\$ 40,584,370	\$ 5,275,968	\$ 2,942,000	\$ 8,217,968
All Other C&I	\$ 60,339,968	\$ 7,844,196	\$ 4,374,102	\$ 12,218,297
GS4/IRP	\$ 7,988,009	\$ 1,038,441	\$ 579,058	\$ 1,617,500
Total C&I	\$ 68,327,976	\$ 8,882,637	\$ 4,953,160	\$ 13,835,797
Total	\$ 108,912,347	\$ 14,158,605	\$ 7,895,159	\$ 22,053,765

**Actual 2015 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2015 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 55.813%	<u>Pre-Tax Shared Savings</u>
RS	\$ 36,727,492	\$ 4,774,574	\$ 2,662,411	\$ 7,436,985
All Other C&I	\$ 71,954,737	\$ 9,354,116	\$ 5,216,067	\$ 14,570,183
GS4/IRP	\$ 9,525,611	\$ 1,238,329	\$ 690,521	\$ 1,928,850
Total C&I	\$ 81,480,348	\$ 10,592,445	\$ 5,906,588	\$ 16,499,033
Total	\$ 118,207,840	\$ 15,367,019	\$ 8,568,999	\$ 23,936,018

**Estimated 2016 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2016 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 55.813%	<u>Pre-Tax Shared Savings</u>
RS	\$ 36,916,629	\$ 4,799,162	\$ 2,676,122	\$ 7,475,283
All Other C&I	\$ 89,473,285	\$ 11,631,527	\$ 6,486,003	\$ 18,117,530
GS4/IRP	\$ 11,844,776	\$ 1,539,821	\$ 858,639	\$ 2,398,460
Total C&I	\$ 101,318,061	\$ 13,171,348	\$ 7,344,642	\$ 20,515,990
Total	\$ 138,234,690	\$ 17,970,510	\$ 10,020,764	\$ 27,991,274

**Allocation of IRP-D Credits
AEP Ohio**

<u>Tariffs</u>	<u>Actual</u> <u>2012 -2015</u>
RS	\$ 21,265,776
All Other C&I	\$ 29,205,103
GS4/IRP	\$ 13,887,652
Total C&I	\$ 43,092,755
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Total	\$ 64,358,531

<u>Tariffs</u>	<u>Forecast</u> <u>2016</u>
RS	\$ 5,702,209
All Other C&I	\$ 7,831,062
GS4/IRP	\$ 3,723,837
Total C&I	\$ 11,554,899
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Total	\$ 17,257,108

<u>Tariffs</u>	<u>Total</u> <u>2012 -2016</u>
RS	\$ 26,967,985
All Other C&I	\$ 37,036,165
GS4/IRP	\$ 17,611,489
Total C&I	\$ 54,647,654
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Total	\$ 81,615,639

**PJM Energy Efficiency Credits
AEP Ohio Power Company**

Actual													
Year 2015	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total

Forecast	Actual	Actual	Actual	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	Forecast	
Year 2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total

Total 2015 Actual and 2016 Forecast	19,537,058.22
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ATTACHMENT 2

P.U.C.O. NO. 20

ENERGY EFFICIENCY AND PEAK DEMAND REDUCTION COST RECOVERY RIDER

Effective ~~Cycle 1 August 2014~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Energy Efficiency and Peak Demand Reduction Cost Recovery charge per KWH as follows:

Schedule	¢/KWH
RS, RS-ES, RS-TOD and RDMS	0.456660.49373
R-R, R-R-1, RLM, RS-ES, RS-TOD, RS-TOD2, CPP and RTP	0.456660.49373
GS-1, GS-1 TOD	0.333900.16688
GS-2, GS-2-TOD and GS-TOD	0.333900.16688
GS-3	0.333900.16688
GS-4 /IRP	0.095330.14493
EHG	0.333900.16688
EHS	0.333900.16688
SS	0.333900.16688
SL	0.00000
AL	0.00000
SBS	0.00000

If approved by the Commission, mercantile customers that have committed their demand response or other customer-sited capabilities, whether existing or new, for integration into the Company's demand response, energy efficiency or peak demand reduction programs, may be exempted from this Rider.

Filed pursuant to Order dated ~~July 30, 2014~~ in Case No. ~~13-1201-EL-RDR~~

Issued: ~~July 30, 2014~~

Effective: ~~Cycle 1 August 2014~~

Issued by
~~Pablo Vegas~~ Julie Sloat, President
 AEP Ohio

P.U.C.O. NO. 20

OAD – ENERGY EFFICIENCY AND PEAK DEMAND REDUCTION COST RECOVERY RIDER
 (Open Access Distribution – Energy Efficiency and Peak Demand Reduction Cost Recovery Rider)

Effective ~~Cycle 1 August 2014~~, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Energy Efficiency and Peak Demand Reduction Cost Recovery charge per KWH as follows:

Schedule	¢/KWH
RS, RS-ES, RS-TOD and RDMS	0.456660 .49373
R-R, R-R-1, RLM, RS-ES, RS-TOD, RS-TOD2, CPP and RTP	0.456660 .49373
GS-1, GS-1 TOD	0.333900 .16688
GS-2, GS-2-TOD and GS-TOD	0.333900 .16688
GS-3	0.333900 .16688
GS-4 /IRP	0.095330 .14493
EHG	0.333900 .16688
EHS	0.333900 .16688
SS	0.333900 .16688
SL	0.00000
AL	0.00000
SBS	0.00000

If approved by the Commission, mercantile customers that have committed their demand response or other customer-sited capabilities, whether existing or new, for integration into the Company's demand response, energy efficiency or peak demand reduction programs, may be exempted from this Rider.

Filed pursuant to Order dated ~~July 30, 2014~~ in Case No. ~~13-1201-EL-RDR~~

Issued: ~~July 30, 2014~~

Effective: ~~Cycle 1 August 2014~~

Issued by
~~Pablo Vegas~~ ~~Julie Sloat~~, President
 AEP Ohio

ATTACHMENT 3

Ohio Power Company
Typical Bill Comparison
2016 EE PDR
Columbus Southern Power Rate Zone

<u>Tariff</u>	<u>kWh</u>	<u>KW</u>	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>	<u>Difference</u>
<u>Residential</u>						
RR1 Annual	100		\$24.82	\$24.85	\$0.03	0.1%
	250		\$43.06	\$43.15	\$0.09	0.2%
	500		\$73.51	\$73.70	\$0.19	0.3%
RR Annual	750		\$103.93	\$104.21	\$0.28	0.3%
	1,000		\$134.36	\$134.73	\$0.37	0.3%
	1,500		\$195.21	\$195.77	\$0.56	0.3%
	2,000		\$256.04	\$256.78	\$0.74	0.3%
GS-1	375	3	53.44	52.82	-\$0.62	-1.2%
	1,000	3	120.19	118.52	-\$1.67	-1.4%
	750	6	93.49	92.24	-\$1.25	-1.3%
	2,000	6	226.96	223.62	-\$3.34	-1.5%
GS-2 Secondary	1,500	12	\$240.19	\$237.68	-\$2.51	-1.1%
	4,000	12	\$429.71	\$423.03	-\$6.68	-1.6%
	6,000	30	\$744.37	\$734.35	-\$10.02	-1.4%
	10,000	30	\$1,047.28	\$1,030.58	-\$16.70	-1.6%
	10,000	40	\$1,137.97	\$1,121.27	-\$16.70	-1.5%
	14,000	40	\$1,440.84	\$1,417.45	-\$23.39	-1.6%
	12,500	50	\$1,417.96	\$1,397.08	-\$20.88	-1.5%
	18,000	50	\$1,832.73	\$1,802.67	-\$30.06	-1.6%
	15,000	75	\$1,834.01	\$1,808.95	-\$25.06	-1.4%
	30,000	150	\$3,641.57	\$3,591.46	-\$50.11	-1.4%
	60,000	300	\$7,256.78	\$7,156.57	-\$100.21	-1.4%
	100,000	500	\$12,077.05	\$11,910.03	-\$167.02	-1.4%
GS-2 Primary	100,000	1,000	\$15,340.20	\$15,173.18	-\$167.02	-1.1%
GS-3 Secondary	30,000	75	\$2,962.93	\$2,912.82	-\$50.11	-1.7%
	50,000	75	\$4,466.18	\$4,382.67	-\$83.51	-1.9%
	30,000	100	\$3,190.15	\$3,140.04	-\$50.11	-1.6%
	36,000	100	\$3,641.12	\$3,581.00	-\$60.12	-1.7%
	60,000	150	\$5,899.46	\$5,799.25	-\$100.21	-1.7%

Ohio Power Company
Typical Bill Comparison
2016 EE PDR
Columbus Southern Power Rate Zone

<u>Tariff</u>	<u>kWh</u>	<u>KW</u>	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>	<u>Difference</u>
	100,000	150	\$8,905.94	\$8,738.92	-\$167.02	-1.9%
	90,000	300	\$9,517.69	\$9,367.37	-\$150.32	-1.6%
	120,000	300	\$11,772.56	\$11,572.14	-\$200.42	-1.7%
	150,000	300	\$14,027.42	\$13,776.89	-\$250.53	-1.8%
	200,000	300	\$17,785.51	\$17,451.47	-\$334.04	-1.9%
	150,000	500	\$15,845.25	\$15,594.72	-\$250.53	-1.6%
	180,000	500	\$18,100.10	\$17,799.46	-\$300.64	-1.7%
	200,000	500	\$19,603.34	\$19,269.30	-\$334.04	-1.7%
	325,000	500	\$28,998.59	\$28,455.77	-\$542.82	-1.9%
GS-3 Primary	300,000	1,000	\$29,702.90	\$29,201.84	-\$501.06	-1.7%
	360,000	1,000	\$34,005.68	\$33,404.41	-\$601.27	-1.8%
	400,000	1,000	\$36,874.20	\$36,206.12	-\$668.08	-1.8%
	650,000	1,000	\$54,802.45	\$53,716.82	-\$1,085.63	-2.0%
GS-4	1,500,000	5,000	\$108,639.00	\$109,383.00	\$744.00	0.7%
	2,500,000	5,000	\$165,429.60	\$166,669.60	\$1,240.00	0.8%
	3,250,000	5,000	\$208,022.56	\$209,634.56	\$1,612.00	0.8%
	3,000,000	10,000	\$210,974.90	\$212,462.90	\$1,488.00	0.7%
	5,000,000	10,000	\$324,556.10	\$327,036.10	\$2,480.00	0.8%
	6,500,000	10,000	\$409,742.00	\$412,966.00	\$3,224.00	0.8%
	6,000,000	20,000	\$415,646.70	\$418,622.70	\$2,976.00	0.7%
	10,000,000	20,000	\$642,809.10	\$647,769.10	\$4,960.00	0.8%
	13,000,000	20,000	\$813,180.90	\$819,628.90	\$6,448.00	0.8%
	15,000,000	50,000	\$1,029,662.10	\$1,037,102.10	\$7,440.00	0.7%
	25,000,000	50,000	\$1,597,568.10	\$1,609,968.10	\$12,400.00	0.8%
	32,500,000	50,000	\$2,023,497.60	\$2,039,617.60	\$16,120.00	0.8%

* Typical bills assume 100% Power Factor

Ohio Power Company
2016 EE PDR
Ohio Power Rate Zone

<u>Tariff</u>	<u>kWh</u>	<u>KW</u>	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>	<u>Difference</u>
Residential	100		\$25.25	\$25.28	\$0.03	0.1%
	250		\$44.16	\$44.25	\$0.09	0.2%
	500		\$75.69	\$75.88	\$0.19	0.3%
	750		\$107.20	\$107.48	\$0.28	0.3%
	1,000		\$138.70	\$139.07	\$0.37	0.3%
	1,500		\$201.73	\$202.29	\$0.56	0.3%
	2,000		\$264.75	\$265.49	\$0.74	0.3%
GS-1 Secondary	375	3	\$58.13	\$57.51	-\$0.62	-1.1%
	1,000	3	\$116.80	\$115.13	-\$1.67	-1.4%
	750	6	\$93.34	\$92.09	-\$1.25	-1.3%
	2,000	6	\$210.71	\$207.37	-\$3.34	-1.6%
GS-2	1,500	12	\$268.90	\$266.39	-\$2.51	-0.9%
	4,000	12	\$470.16	\$463.48	-\$6.68	-1.4%
	6,000	30	\$797.43	\$787.41	-\$10.02	-1.3%
	10,000	30	\$1,119.08	\$1,102.38	-\$16.70	-1.5%
	10,000	40	\$1,211.58	\$1,194.88	-\$16.70	-1.4%
	14,000	40	\$1,533.19	\$1,509.80	-\$23.39	-1.5%
	12,500	50	\$1,505.09	\$1,484.21	-\$20.88	-1.4%
	18,000	50	\$1,945.62	\$1,915.56	-\$30.06	-1.6%
	15,000	75	\$1,937.35	\$1,912.29	-\$25.06	-1.3%
	30,000	100	\$3,366.27	\$3,316.16	-\$50.11	-1.5%
	36,000	100	\$3,845.34	\$3,785.22	-\$60.12	-1.6%
	30,000	150	\$3,828.76	\$3,778.65	-\$50.11	-1.3%
	60,000	300	\$7,611.60	\$7,511.39	-\$100.21	-1.3%
	90,000	300	\$10,007.00	\$9,856.68	-\$150.32	-1.5%
	100,000	500	\$12,655.40	\$12,488.38	-\$167.02	-1.3%
	150,000	500	\$16,647.74	\$16,397.21	-\$250.53	-1.5%
	180,000	500	\$19,043.13	\$18,742.49	-\$300.64	-1.6%

**Ohio Power Company
2016 EE PDR
Ohio Power Rate Zone**

<u>Tariff</u>	<u>kWh</u>	<u>KW</u>	<u>Current</u>	<u>Proposed</u>	<u>Difference</u>	<u>Difference</u>
GS-3 Secondary	18,000	50	\$1,946.64	\$1,916.58	-\$30.06	-1.5%
	30,000	75	\$3,136.56	\$3,086.45	-\$50.11	-1.6%
	50,000	75	\$4,733.52	\$4,650.01	-\$83.51	-1.8%
	36,000	100	\$3,847.37	\$3,787.25	-\$60.12	-1.6%
	30,000	150	\$3,831.79	\$3,781.68	-\$50.11	-1.3%
	60,000	150	\$6,227.21	\$6,127.00	-\$100.21	-1.6%
	100,000	150	\$9,421.12	\$9,254.10	-\$167.02	-1.8%
	120,000	300	\$12,408.52	\$12,208.10	-\$200.42	-1.6%
	150,000	300	\$14,803.96	\$14,553.43	-\$250.53	-1.7%
	200,000	300	\$18,796.33	\$18,462.29	-\$334.04	-1.8%
	180,000	500	\$19,053.31	\$18,752.67	-\$300.64	-1.6%
	200,000	500	\$20,650.26	\$20,316.22	-\$334.04	-1.6%
	325,000	500	\$30,631.22	\$30,088.40	-\$542.82	-1.8%
GS-2 Primary	200,000	1,000	\$24,210.93	\$23,876.89	-\$334.04	-1.4%
	300,000	1,000	\$31,836.10	\$31,335.04	-\$501.06	-1.6%
GS-3 Primary	360,000	1,000	\$36,431.56	\$35,830.29	-\$601.27	-1.7%
	400,000	1,000	\$39,481.67	\$38,813.59	-\$668.08	-1.7%
	650,000	1,000	\$58,544.85	\$57,459.22	-\$1,085.63	-1.9%
GS-2 Subtransmission						
	1,500,000	5,000	\$117,639.66	\$115,134.36	-\$2,505.30	-2.1%
GS-3 Subtransmission	2,500,000	5,000	\$180,853.06	\$176,677.56	-\$4,175.50	-2.3%
	3,250,000	5,000	\$228,186.99	\$222,758.84	-\$5,428.15	-2.4%
GS-4 Subtransmission	3,000,000	10,000	\$222,412.41	\$223,900.41	\$1,488.00	0.7%
	5,000,000	10,000	\$343,871.81	\$346,351.81	\$2,480.00	0.7%
	6,500,000	10,000	\$434,966.36	\$438,190.36	\$3,224.00	0.7%
	10,000,000	20,000	\$681,820.31	\$686,780.31	\$4,960.00	0.7%
	13,000,000	20,000	\$864,009.41	\$870,457.41	\$6,448.00	0.8%
GS-4 Transmission	25,000,000	50,000	\$1,695,665.81	\$1,708,065.81	\$12,400.00	0.7%
	32,500,000	50,000	\$2,151,138.56	\$2,167,258.56	\$16,120.00	0.8%

* Typical bills assume 100% Power Factor

This foregoing document was electronically filed with the Public Utilities

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in

Case No(s). 16-1108-EL-RDR

Summary: Application of Ohio Power Company to Update the Energy Efficiency and Peak Demand Reduction Rider electronically filed by Mr. Steven T Nourse on behalf of Ohio Power Company