

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application)	
of Ohio Power Company to Update)	Case No. 18-874-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 approved 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, Ohio Governor John Kasich signed Senate Bill 310 into law. 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 2016 forecast with actual expenses.
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. On May 16, 2016 in Case No. 16-1108-EL-RDR, the Ohio Power Company filed an application for the 2012-2015 comprehensive update under the 2012 Portfolio case with a 2016 projection as allowed by the SB 310 provision, to date, there has been no Commission action on that filing.
16. On June 15, 2016 in Case No. 16-0574-EL-POR, the Company filed an application for approval of its proposed 2017-2019 Energy Efficiency/Peak Demand Reduction ("EE/PDR") Program Portfolio Plan.
17. On January 18, 2017 the Commission issued an Opinion and Order approving the Company's Energy Efficiency and Peak Demand Reduction Program Portfolio Plan for 2017 through 2020, as modified by the Stipulation in Case No. 16-0574-EL-POR ("2017 Portfolio Plan Case"), and on January 20, 2017

AEP Ohio filed compliance tariffs in accordance with the Order.

18. On May 15, 2017 in Case No. 17-1266-EL-RDR the Company filed an application for approval of its proposed 2017-2020 comprehensive update under the 2017 Portfolio Plan Case. In accordance with the Stipulation the schedules were updated to include true-up adjustments reflecting EE/PDR opt-outs based on the most current information. Additionally, the Company included a proposal that the over collections from the 2012 Portfolio Plan be carried forward to the 2017 portfolio plan. In accordance with the 2017 Portfolio Plan Case rates became effective with the first billing cycle of September 2017.
19. Because the Case No. 17-1266-EL-RDR included the projected revenue and costs for years 2017 through 2020 in the 2017 Portfolio Plan Case, the Company is proposing to update the EE/PDR riders to include the 2017 actual expenditures, as well as the remaining OVER or UNDER recovery associated with the passback of the over collections from the 2012 portfolio plan.
20. Attachment 1 Schedules 1 through 5 reflect the updated 2017 Portfolio Plan Case. Attachment 2 includes redlined tariff pages reflecting the change in the current rider after the proposed true-ups. Attachment 3 includes the 2017 typical bill comparisons, reflecting the proposed true-ups.
21. In accordance with the 2017 Portfolio Plan Case, absent any action by the Commission rates become effective become effective with the first billing cycle of August 2018.

The Company's EE/PDR Riders are just and reasonable and are authorized by the Commission as part of their ESPs and the 2009, 2012, and 2017 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

AEP Ohio
Calculation of Energy Efficiency and Peak Demand Reduction Rider 2017 Actual & 2018 - 2020 Forecast

Portfolio Costs:								
Class	Base D Revenue Allocators	2012-2016 True UP	2017 Actual 2018-2020 Forecast Program Costs	2017 Actual 2018-2020 Forecast Shared Savings	2017 Actual 2018-2020 Forecast Capital Costs	2017 Actual 2018-2020 Forecast PJM EE Revenue	Remaining 2017 Rider Revenue	Collections 2018-2020 Forecast Pre-Cap Total
	(\$)		(\$)	(\$)	(\$)	(\$)	(\$)	(\$)
Residential		\$ (3,194,611)	\$ 139,390,939	\$ 24,898,489	\$ 4,923,117	\$ (10,130,099.46)	\$ 34,922,784	\$ 120,965,051
GS Non Demand	21,256,336		\$ 13,413,271	\$ 7,257,874	\$ -	\$ (974,796)	\$ 5,585,858	\$ 14,110,491
GS Demand	206,690,922		\$ 130,427,059	\$ 70,573,619	\$ -	\$ (9,478,658)	\$ 44,992,378	\$ 146,529,643
Lighting	15,778,499		\$ 9,956,621	\$ 5,387,492	\$ -	\$ (723,588)	\$ 1,064,901	\$ 13,555,625
Total	243,725,757		\$ 293,187,891	\$ 108,117,474	\$ 4,923,117	\$ (21,307,142)	86,565,920	\$ 295,160,810

Portfolio Rates:

Class	Billing Determinants	EE/PDR Portfolio Rates				Revenue Verification
		(\$/kWh)	(\$/bill)	(\$/kW)	(% of base D)	(\$)
Residential	41,754,601,572 kWh	0.0028970	-	-	-	120,963,081
GS Non Demand	4,408,869 bills	-	3.40	-	-	14,990,155
GS Demand	174,082,389 kW	-	-	0.89	-	154,933,326
Lighting	\$47,335,497	-	-	-	8.45032%	4,000,001
Total						294,886,563

IRP Costs and Rate:

Class	IRP Rider Costs	PJM IRP Revenue	Net IRP Costs	2017 Revenue	Rider kWh	IRP Rate (\$/kWh)
Total	65,384,752	(72,925)	65,311,827	10,233,189	111,644,274,624	0.0004933

2012-2016 True-up:	Billing Determinants	Revenue Requirement	2017 Revenue	Rate (\$/kWh)
Residential	14,316,196,403	\$3,690,069	\$ 6,884,680.36	Included in 2012-2016 True Up
GS Non Demand/Demand	23,296,557,684	\$ (32,748,539)	\$ (12,948,536.44)	(0.0008499)
Total 2012-2016 True-up		\$ (29,058,469)		

Annual Total Investments by Program
2017 Actual 2018 - 2020 Forecast Forecast per Stipulation filed December 9, 2016
AEP Ohio

			Program Costs							
Program Name	% Residential	% C&I	Actual	Forecast			Total			
			2017	2018	2019	2020	2017-2020			
Consumer Sector										
Appliance Recycling	100%	0%	\$ 2,112,443	\$ 2,700,000	\$ 2,700,000	\$ 2,700,000	\$ 10,212,443			
Community Assistance	100%	0%	\$ 6,280,112	\$ 5,100,000	\$ 5,100,000	\$ 5,100,000	\$ 21,580,112			
e3SMART	100%	0%	\$ 913,366	\$ 1,200,000	\$ 1,200,000	\$ 1,200,000	\$ 4,513,366			
Efficient Products	100%	0%	\$ 11,895,315	\$ 13,500,000	\$ 13,500,000	\$ 13,500,000	\$ 52,395,315			
Behavior Change	100%	0%	\$ 1,355,835	\$ 1,500,000	\$ 1,500,000	\$ 1,500,000	\$ 5,855,835			
In-Home Energy	100%	0%	\$ -	\$ -	\$ -	\$ -	\$ -			
New Home	100%	0%	\$ 2,212,839	\$ 2,300,000	\$ 2,300,000	\$ 2,300,000	\$ 9,112,839			
Manufactured Home	100%	0%	\$ 397,072	\$ 800,000	\$ 800,000	\$ 800,000	\$ 2,797,072			
Intelligent Home & DR (expense)	100%	0%	\$ 2,836,357	\$ 4,300,000	\$ 4,300,000	\$ 4,300,000	\$ 15,736,357			
Intelligent Home & DR (capital)*	100%	0%	\$ -	\$ -	\$ -	\$ -	\$ -			
Consumer Sector Subtotal			\$ 28,003,339	\$ 31,400,000	\$ 31,400,000	\$ 31,400,000	\$ 122,203,339			
Business Sector										
Business Behavior Change	0%	100%	\$ -	\$ -	\$ -	\$ -	\$ -			
Continuous Energy Improvement	0%	100%	\$ 2,248,746	\$ 2,480,000	\$ 2,480,000	\$ 2,480,000	\$ 9,688,746	Base D as 2017 for Demand Metered Customers Demand Metered Sec, Pri \$ 204,055,197.00 98.75% Demand Metered Sub/Tran \$ 2,593,097.00 1.25% \$ 206,648,294.00		
Data Center	0%	100%	\$ 2,389,439	\$ 2,810,000	\$ 2,810,000	\$ 2,810,000	\$ 10,819,439			
Efficient Products for Business	0%	100%	\$ 14,651,071	\$ 14,150,000	\$ 14,150,000	\$ 14,150,000	\$ 57,101,071			
New Construction / Major Renovation	0%	100%	\$ 4,162,824	\$ 4,280,000	\$ 4,280,000	\$ 4,280,000	\$ 17,002,824			
Express	0%	100%	\$ 2,142,310	\$ 4,010,000	\$ 4,010,000	\$ 4,010,000	\$ 14,172,310			
Microbusiness	0%	100%	\$ -	\$ -	\$ -	\$ -	\$ -			
Process Efficiency	0%	100%	\$ 3,761,196	\$ 3,040,000	\$ 3,040,000	\$ 3,040,000	\$ 12,881,196	2018-2020 Costs		
Retro-Commissioning	0%	100%	\$ 790,973	\$ 650,000	\$ 650,000	\$ 650,000	\$ 2,740,973	\$ 121,485,000		
Self-Direct	0%	100%	\$ 807,221	\$ 870,000	\$ 870,000	\$ 870,000	\$ 3,417,221	Sub/Tran Portion \$ 1,524,437.40		
CHP	0%	100%	\$ 515,086	\$ 3,380,000	\$ 3,380,000	\$ 3,380,000	\$ 10,655,086	Remove 1/2 \$ 762,218.70		
Energy Efficiency Auction	0%	100%	\$ -	\$ 170,000	\$ 170,000	\$ 170,000	\$ 510,000	Annual Value EDR \$ 254,072.90		
T&D Customer Efficiency Projects	0%	100%	\$ -	\$ -	\$ -	\$ -	\$ -			
Business Outreach	0%	100%	\$ -	\$ 1,860,000	\$ 1,860,000	\$ 1,860,000	\$ 5,580,000			
Business Sector Subtotal			\$ 31,468,865	\$ 37,700,000	\$ 37,700,000	\$ 37,700,000	\$ 144,568,865			
								2018-2020		
								Residential Portion	C&I Portion	C&I Portion
Multifamily	80%	20%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Agriculture	45%	55%	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 600,000	\$ 270,000	\$ 330,000	\$ 330,000.00
Customer EE Assessment Survey	45%	55%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Efficient Financing	45%	55%	\$ -	\$ 200,000	\$ 200,000	\$ 200,000	\$ 600,000	\$ 270,000	\$ 330,000	\$ 330,000.00
Community Energy Savers	45%	55%	\$ -	\$ 500,000	\$ 500,000	\$ 500,000	\$ 1,500,000	\$ 675,000	\$ 825,000	\$ 825,000.00
Education and Training	45%	55%	\$ 225,438	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,125,438	\$ 506,447	\$ 618,991	\$ 495,000.00
Targeted Advertising	80%	20%	\$ 2,764,408	\$ 3,800,000	\$ 3,800,000	\$ 3,800,000	\$ 14,164,408	\$ 11,331,527	\$ 2,832,882	\$ 2,280,000.00
Research and Development	45%	55%	\$ 1,688,058	\$ 2,500,000	\$ 2,500,000	\$ 2,500,000	\$ 9,188,058	\$ 4,134,626	\$ 5,053,432	\$ 4,125,000.00
Cross Sector Subtotal			\$ 4,677,905	\$ 7,500,000	\$ 7,500,000	\$ 7,500,000	\$ 27,177,905	\$ 17,187,600	\$ 9,990,305	\$ 8,385,000 \$ 1,605,304.75

* Intelligent Home and DR capital expenses are shown on Schedule 1 in Capital Costs column.

**Forecast 2017 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2017 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 55.986%	<u>Pre-Tax Shared Savings</u>
Residential	74,739,009	\$ 7,578,905	\$ 4,243,147	\$ 11,822,052
Business	\$ 122,490,038	\$ 12,421,095	\$ 6,954,110	\$ 19,375,205
Total	197,229,047	\$ 20,000,000	\$ 11,197,257	\$ 31,197,257

**Forecast 2018 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2018 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 28.200%	<u>Pre-Tax Shared Savings</u>
Residential	\$ 26,153,846	\$ 3,400,000	\$ 958,812	\$ 4,358,812
Business	\$ 127,692,308	\$ 16,600,000	\$ 4,681,260	\$ 21,281,260
Total	153,846,154	\$ 20,000,000	\$ 5,640,072	\$ 25,640,072

**Forecast 2019 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2019 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 28.200%	<u>Pre-Tax Shared Savings</u>
Residential	\$ 26,153,846	\$ 3,400,000	\$ 958,812.31	\$ 4,358,812
Business	\$ 127,692,308	\$ 16,600,000	\$ 4,681,260	\$ 21,281,260
Total	153,846,154	\$ 20,000,000	\$ 5,640,072	\$ 25,640,072

**Forecast 2020 AEP Ohio EE/PDR Shared Savings
Ohio Power Company**

<u>Tariffs</u>	<u>2020 Net Benefits</u>	<u>Shared Savings</u> 13%	<u>Tax Gross-Up</u> 28.200%	<u>Pre-Tax Shared Savings</u>
Residential	\$ 26,153,846	\$ 3,400,000	\$ 958,812	\$ 4,358,812
Business	\$ 127,692,308	\$ 16,600,000	\$ 4,681,260	\$ 21,281,260
Total	153,846,154	\$ 20,000,000	\$ 5,640,072	\$ 25,640,072

**IRP-D Credits
AEP Ohio**

Actual <u>2017</u>	Forecast <u>2018</u>	Forecast <u>2019</u>	Forecast <u>2020</u>	Total <u>2017-2020</u>	
19,337,751.90	\$22,248,000.00	\$22,248,000.00	\$22,248,000.00	\$66,744,000.00	
	\$ 8,450,000.00	\$ 8,450,000.00	\$ 8,450,000.00		New Expanded IRP credits
	\$30,698,000.00	\$30,698,000.00	\$30,698,000.00		
	\$15,349,000.00	\$15,349,000.00	\$15,349,000.00	\$46,047,000.00	Half of the credits included in EDR

AEP Ohio Power Company
PJM Energy Efficiency Credits
Actual 2017, Forecast 2018 through 2020

Actual		Year 2017	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Account	Description														
4470189	EE Rev Cr.														
	80% Revenue Cr.														
	Total Revenue Cr.														
4420026	Reasonable Arrg't PJM Rev Cr.														
Forecast 2018-2020															

ATTACHMENT 2

P.U.C.O. NO. 20

ENERGY EFFICIENCY AND PEAK DEMAND REDUCTION COST RECOVERY RIDER

Effective Cycle 1 ~~September-August 2017~~ 2018, 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 as follows:

Class	\$/bill	\$/kWh	\$/kW	% of base distribution
Residential		0.00340530.0 <u>033903</u>		
General Service Non Demand Metered	<u>4.143.40</u>	-0.0009418- <u>0.0003566</u>		
General Service Demand Metered		-0.0009418- <u>0.0003566</u>	0.910.89	
Lighting		0.00032170.0 <u>004933</u>		6.64819% <u>8.45032%</u>

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.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the January 18, 2017 Opinion and Order in Case No. 16-574-EL-POR.

Filed pursuant to Order dated March 28, 2018 in Case No. 18-440-EL-ATA

Issued: April 12, 2018Effective: April 12, 2018 Cycle 1, August 2018

Issued by
Julia 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 ~~September-August 2017~~ 2018, 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 as follows:

Class	\$/bill	\$/kWh	\$/kW	% of base distribution
Residential		0.00340530.00 <u>33903</u>		
General Service Non Demand Metered	4.143.40	-0.0009418- <u>0.0003566</u>		
General Service Demand Metered		-0.0009418- <u>0.0003566</u>	0.910.89	
Lighting		0.00032170.00 <u>04933</u>		6.64819%8.450 <u>32%</u>

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.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the impact to the carrying charge rate recovered through this Rider of changes in Federal corporate income taxes due to the Tax Cuts and Jobs Act of 2017 or based upon the results of audits ordered by the Commission in accordance with the January 18, 2017 Opinion and Order in Case No. 16-574-EL-POR.

Filed pursuant to Order dated March 28, 2018 in Case No. 18-440-EL-ATA

Issued: ~~April 12, 2018~~

Effective: ~~April 12, 2018~~ Cycle 1 August 2018

Issued by
Julia Sloat, President
AEP Ohio

ATTACHMENT 3

Ohio Power Company
Typical Bill Comparison
EE/PDR 2017 True-Up for 2017-2020 Portfolio Plan - Cycle 1 August 2018
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		\$24.92	\$24.92	\$0.00	0.0%
	250		\$44.51	\$44.51	\$0.00	0.0%
	500		\$77.20	\$77.20	\$0.00	0.0%
	750		\$109.86	\$109.85	-\$0.01	0.0%
	1,000		\$142.54	\$142.52	-\$0.02	0.0%
	1,500		\$207.91	\$207.89	-\$0.02	0.0%
	2,000		\$273.26	\$273.23	-\$0.03	0.0%
GS-1 Secondary	375	3	\$60.85	\$60.33	-\$0.52	-0.9%
	1,000	3	\$122.54	\$122.38	-\$0.16	-0.1%
	750	6	\$97.87	\$97.57	-\$0.30	-0.3%
	2,000	6	\$221.23	\$221.66	\$0.43	0.2%
GS-2	1,500	12	\$305.94	\$306.58	\$0.64	0.2%
	4,000	12	\$501.55	\$503.65	\$2.10	0.4%
	6,000	30	\$888.83	\$891.74	\$2.91	0.3%
	10,000	30	\$1,201.48	\$1,206.73	\$5.25	0.4%
	10,000	40	\$1,329.80	\$1,334.85	\$5.05	0.4%
	14,000	40	\$1,642.45	\$1,649.85	\$7.40	0.5%
	12,500	50	\$1,653.51	\$1,659.82	\$6.31	0.4%
	18,000	50	\$2,081.74	\$2,091.27	\$9.53	0.5%
	15,000	75	\$2,169.68	\$2,176.96	\$7.28	0.3%
	30,000	100	\$3,654.48	\$3,670.03	\$15.55	0.4%
	36,000	100	\$4,120.10	\$4,139.16	\$19.06	0.5%
	30,000	150	\$4,296.04	\$4,310.59	\$14.55	0.3%
	60,000	300	\$8,548.72	\$8,577.83	\$29.11	0.3%
	90,000	300	\$10,876.80	\$10,923.47	\$46.67	0.4%
	100,000	500	\$14,218.98	\$14,267.50	\$48.52	0.3%
	150,000	500	\$18,099.11	\$18,176.89	\$77.78	0.4%
	180,000	500	\$20,427.17	\$20,522.50	\$95.33	0.5%

Ohio Power Company
Typical Bill Comparison
EE/PDR 2017 True-Up for 2017-2020 Portfolio Plan - Cycle 1 August 2018
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	\$2,081.74	\$2,091.27	\$9.53	0.5%
	30,000	75	\$3,333.72	\$3,349.77	\$16.05	0.5%
	50,000	75	\$4,885.78	\$4,913.54	\$27.76	0.6%
	36,000	100	\$4,120.10	\$4,139.16	\$19.06	0.5%
	30,000	150	\$4,296.04	\$4,310.59	\$14.55	0.3%
	60,000	150	\$6,624.11	\$6,656.22	\$32.11	0.5%
	100,000	150	\$9,728.21	\$9,783.73	\$55.52	0.6%
	120,000	300	\$13,204.88	\$13,269.11	\$64.23	0.5%
	150,000	300	\$15,532.95	\$15,614.73	\$81.78	0.5%
	200,000	300	\$19,413.07	\$19,524.11	\$111.04	0.6%
	180,000	500	\$20,427.17	\$20,522.50	\$95.33	0.5%
	200,000	500	\$21,979.23	\$22,086.27	\$107.04	0.5%
	325,000	500	\$31,679.55	\$31,859.74	\$180.19	0.6%
GS-2 Primary	200,000	1,000	\$27,344.70	\$27,441.74	\$97.04	0.4%
	300,000	1,000	\$34,683.15	\$34,838.71	\$155.56	0.5%
GS-3 Primary	360,000	1,000	\$39,086.22	\$39,276.89	\$190.67	0.5%
	400,000	1,000	\$42,021.60	\$42,235.68	\$214.08	0.5%
	650,000	1,000	\$60,367.73	\$60,728.11	\$360.38	0.6%
GS-2 Subtransmission	1,500,000	5,000	\$126,066.88	\$126,844.68	\$777.80	0.6%
GS-3 Subtransmission	2,500,000	5,000	\$182,851.78	\$184,214.78	\$1,363.00	0.8%
	3,250,000	5,000	\$225,440.47	\$227,242.37	\$1,801.90	0.8%
GS-4 Subtransmission	3,000,000	10,000	\$243,244.23	\$244,799.83	\$1,555.60	0.6%
	5,000,000	10,000	\$356,814.03	\$359,540.03	\$2,726.00	0.8%
	6,500,000	10,000	\$441,991.38	\$445,595.18	\$3,603.80	0.8%
	10,000,000	20,000	\$704,738.53	\$710,190.53	\$5,452.00	0.8%
	13,000,000	20,000	\$875,093.23	\$882,300.83	\$7,207.60	0.8%
GS-4 Transmission	25,000,000	50,000	\$1,748,512.03	\$1,762,142.03	\$13,630.00	0.8%
	32,500,000	50,000	\$2,174,398.78	\$2,192,417.78	\$18,019.00	0.8%

* Typical bills assume 100% Power Factor

Ohio Power Company
Typical Bill Comparison
EE/PDR 2017 True-Up for 2017-2020 Portfolio Plan - Cycle 1 August 2018
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		\$24.27	\$24.27	\$0.00	0.0%
	250		\$42.90	\$42.90	\$0.00	0.0%
	500		\$73.99	\$73.99	\$0.00	0.0%
RR Annual	750		\$105.05	\$105.04	-\$0.01	0.0%
	1,000		\$136.13	\$136.11	-\$0.02	0.0%
	1,500		\$198.28	\$198.26	-\$0.02	0.0%
	2,000		\$260.42	\$260.39	-\$0.03	0.0%
GS-1						
	375	3	55.35	54.83	-\$0.52	-0.9%
	1,000	3	124.44	124.28	-\$0.16	-0.1%
	750	6	96.81	96.51	-\$0.30	-0.3%
	2,000	6	234.96	235.39	\$0.43	0.2%
GS-2 Secondary						
	1,500	12	\$273.50	\$274.14	\$0.64	0.2%
	4,000	12	\$452.86	\$454.96	\$2.10	0.5%
	6,000	30	\$823.72	\$826.63	\$2.91	0.4%
	10,000	30	\$1,110.36	\$1,115.61	\$5.25	0.5%
	10,000	40	\$1,236.78	\$1,241.83	\$5.05	0.4%
	14,000	40	\$1,523.41	\$1,530.81	\$7.40	0.5%
	12,500	50	\$1,542.35	\$1,548.66	\$6.31	0.4%
	18,000	50	\$1,934.80	\$1,944.33	\$9.53	0.5%
	15,000	75	\$2,037.54	\$2,044.82	\$7.28	0.4%
	30,000	150	\$4,052.18	\$4,066.73	\$14.55	0.4%
	60,000	300	\$8,081.43	\$8,110.54	\$29.11	0.4%
	100,000	500	\$13,453.79	\$13,502.31	\$48.52	0.4%
GS-2 Primary						
	100,000	1,000	\$18,554.18	\$18,592.70	\$38.52	0.2%
GS-3 Secondary						
	30,000	75	\$3,104.03	\$3,120.08	\$16.05	0.5%
	50,000	75	\$4,526.00	\$4,553.76	\$27.76	0.6%
	30,000	100	\$3,420.07	\$3,435.62	\$15.55	0.5%
	36,000	100	\$3,846.66	\$3,865.72	\$19.06	0.5%
	60,000	150	\$6,185.12	\$6,217.23	\$32.11	0.5%

Ohio Power Company
Typical Bill Comparison
EE/PDR 2017 True-Up for 2017-2020 Portfolio Plan - Cycle 1 August 2018
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	\$9,029.05	\$9,084.57	\$55.52	0.6%
	90,000	300	\$10,214.39	\$10,261.06	\$46.67	0.5%
	120,000	300	\$12,347.33	\$12,411.56	\$64.23	0.5%
	150,000	300	\$14,480.29	\$14,562.07	\$81.78	0.6%
	200,000	300	\$18,035.19	\$18,146.23	\$111.04	0.6%
	150,000	500	\$17,008.71	\$17,086.49	\$77.78	0.5%
	180,000	500	\$19,141.65	\$19,236.98	\$95.33	0.5%
	200,000	500	\$20,563.62	\$20,670.66	\$107.04	0.5%
	325,000	500	\$29,450.91	\$29,631.10	\$180.19	0.6%
GS-3						
Primary						
	300,000	1,000	\$31,982.64	\$32,138.20	\$155.56	0.5%
	360,000	1,000	\$36,011.18	\$36,201.85	\$190.67	0.5%
	400,000	1,000	\$38,696.87	\$38,910.95	\$214.08	0.6%
	650,000	1,000	\$55,482.45	\$55,842.83	\$360.38	0.7%
GS-4						
	1,500,000	5,000	\$118,380.99	\$119,158.79	\$777.80	0.7%
	2,500,000	5,000	\$170,036.79	\$171,399.79	\$1,363.00	0.8%
	3,250,000	5,000	\$208,778.65	\$210,580.55	\$1,801.90	0.9%
	3,000,000	10,000	\$227,864.69	\$229,420.29	\$1,555.60	0.7%
	5,000,000	10,000	\$331,176.29	\$333,902.29	\$2,726.00	0.8%
	6,500,000	10,000	\$408,659.99	\$412,263.79	\$3,603.80	0.9%
	6,000,000	20,000	\$446,831.93	\$449,943.13	\$3,111.20	0.7%
	10,000,000	20,000	\$653,455.13	\$658,907.13	\$5,452.00	0.8%
	13,000,000	20,000	\$808,422.69	\$815,630.29	\$7,207.60	0.9%
	15,000,000	50,000	\$1,103,734.29	\$1,111,512.29	\$7,778.00	0.7%
	25,000,000	50,000	\$1,620,292.29	\$1,633,922.29	\$13,630.00	0.8%
	32,500,000	50,000	\$2,007,710.79	\$2,025,729.79	\$18,019.00	0.9%

* Typical bills assume 100% Power Factor

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Case No(s). 18-0874-EL-RDR

Summary: Application - 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