



Legal Department

American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
AEP.com

May 8, 2018

Barcy F. McNeal
Docketing Division Chief
Public Utilities Commission of Ohio
180 East Broad Street
Columbus Ohio 43215-3793

Steven T. Nourse
Chief Ohio Regulatory
Counsel
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Re: *In the Matter of the Application of Ohio Power Company
to update its Basic Transmission Cost Rider*, Case No. 18-
96-EL-RDR

Dear Ms. McNeal:

On January 16, 2018, AEP Ohio filed its Basic Transmission Cost Rider (BTCR) in this docket. The Company stated in its filing that the proposed schedules did not include a forecast of tax savings associated with the Tax Cut and Jobs Act of 2017. But the Company committed to update its BTCR once the Federal Energy Regulatory Commission (FERC) approves new Open Access Transmission Tariffs (OATT) rates that reflect those tax savings. The Company is now in a position to update its BTCR rates consistent with the updated PJM OATT that includes the implementation of a settlement. AEP recently made a filing with FERC to revise existing formula rates, including changing the rate from a partially to fully projected rate, reducing the return on equity and incorporating the benefits of tax reform for transmission customers. Those OATT changes are reflected in the updated schedules and rates enclosed herein.

In its comments filed on March 12, 2018 in this docket, the Staff recommended that the company align its forecast period with the timeframe that the BTCR rates are in effect (April 1 through March 31) and include actual and forecasted monthly over/under amounts through March 31 in the revenue requirement's deferral balance. Those changes are also incorporated in the enclosed updated schedules and rates.

In Case No. 16-1852-EL-SSO, a Stipulation was approved on April 25, 2018 that incorporated the County Fair Transmission Supplement. The enclosed updates also reflect the compliance rate for the County Fair Transmission Supplement. In addition, the Expanded Pilot 1CP customers included in that same Stipulation are reflected in this update.

Accordingly, the following Schedules are being provided to support the updated rates. The Company respectfully requests that these rates be approved and become effective with the first billing cycle of June, 2018.

Schedule A-1	Copy of proposed tariff schedules
Schedule A-2	Copy of redlined current tariff schedules
Schedule B-1	Summary of Total Projected Transmission Costs/Revenues
Schedule B-2	Summary of Current versus Proposed Transmission Revenues
Schedule B-3	Summary of Current and Proposed Rates
Schedule B-5	Typical Bill Comparisons
Schedule C-1	Projected Transmission Cost Recovery Rider Cost/Revenues
Schedule C-2	Monthly Projected Cost for Each Rate Schedule
Schedule C-3	Projected Transmission Cost Recovery Rider Rate Calculations

Thank you for your attention to this matter.

Respectfully Submitted,

//s/ Steven T. Nourse

cc: Parties of Record

P.U.C.O. NO. 20

BASIC TRANSMISSION COST RIDER

Effective Cycle 1 June 2018, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Basic Transmission Cost charge per kW and/or kWh as follows:

Schedule	¢/kWh	\$/kW
Residential RS, RR, RR-1, RS-ES, RS-TOD, RLM, RS-TOD2, CPP, RTP, and RDMS	2.00451	
Non Demand Metered GS-1, GS-1 TOD GS-2 Recreational Lighting, GS-TOD, GS-2-TOD, and GS-2-ES GS-3-ES EHS SS	1.47976	
Demand Metered Secondary GS-2 GS-3	0.04903	5.01
Demand Metered Primary GS-2 GS-3 GS-4	0.04732	5.32
Demand Metered Subtransmission/Transmission GS-2 GS-3 GS-4	0.04638	5.03
Lighting AL SL	0.04903	
County Fair Transmission Supplement Secondary	1.47976	
County Fair Transmission Supplement Primary	1.35377	
Interim Pilot 1CP Secondary	0.04903	6.89
Interim Pilot 1CP Primary	0.04732	6.65
Interim Pilot 1CP Subtransmission/Transmission	0.04638	6.52

The Interim Pilot 1CP Demand rates for the Basic Transmission Cost Rider are limited to availability as established in Case No. 16-1852-EL-SSO. The monthly \$/kW for the Interim Pilot 1CP Basic Transmission rate will be based on the participating customer's demand during the single zonal transmission peak. The 1CP will be changed each January based on the customer's contribution to the single zonal transmission peak during the previous year.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the flow through impact to this Rider of changes to the Open Access Transmission Tariff approved by the Federal Energy Regulatory Commission (including changes related to the Tax Cuts and Jobs Act of 2017) or based upon the

Filed pursuant to Order dated April 25, 2018 in Case No. 16-1852-EL-SSO

Issued:

Issued by
Julia Sloat, President
AEP Ohio

Effective: Cycle 1 June 2018

P.U.C.O. NO. 20

BASIC TRANSMISSION COST RIDER

results of audits ordered by the Commission in accordance with the April 25, 2018 Opinion and Order in Case No. 16-1852-EL-SSO.

Filed pursuant to Order dated April 25, 2018 in Case No. 16-1852-EL-SSO

Issued:

Issued by
Julia Sloat, President
AEP Ohio

Effective: Cycle 1 June 2018

P.U.C.O. NO. 20

OAD - BASIC TRANSMISSION COST RIDER
(Open Access Distribution – Basic Transmission Cost Rider)

Effective Cycle 1 June 2018, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Basic Transmission Cost charge per kW and/or kWh as follows:

Schedule	¢/kWh	\$/kW
Residential RS, RR, RR-1, RS-ES, RS-TOD, RLM, RS-TOD2, CPP, RTP, and RDMS	2.00451	
Non Demand Metered GS-1, GS-1 TOD GS-2 Recreational Lighting, GS-TOD, GS-2-TOD, and GS-2-ES GS-3-ES EHS SS	1.47976	
Demand Metered Secondary GS-2 GS-3	0.04903	5.01
Demand Metered Primary GS-2 GS-3 GS-4	0.04732	5.32
Demand Metered Subtransmission/Transmission GS-2 GS-3 GS-4	0.04638	5.03
Lighting AL SL	0.04903	
County Fair Transmission Supplement Secondary	1.47976	
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Effective: Cycle 1 June 2018

P.U.C.O. NO. 20

BASIC TRANSMISSION COST RIDER

Effective Cycle 1 ~~April-June~~ 2018, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Basic Transmission Cost charge per kW and/or kWh as follows:

Schedule	¢/kWh	\$/kW
Residential RS, RR, RR-1, RS-ES, RS-TOD, RLM, RS-TOD2, CPP, RTP, and RDMS	2.377902 <u>2.00451</u>	
Non Demand Metered GS-1, GS-1 TOD GS-2 Recreational Lighting, GS-TOD, GS-2-TOD, and GS-2-ES GS-3-ES EHS SS	1.723731 <u>1.47976</u>	
Demand Metered Secondary GS-2 GS-3	0.051350 <u>0.04903</u>	5.745 <u>5.01</u>
Demand Metered Primary GS-2 GS-3 GS-4	0.049560 <u>0.04732</u>	6.025 <u>5.32</u>
Demand Metered Subtransmission/Transmission GS-2 GS-3 GS-4	0.048570 <u>0.04638</u>	5.495 <u>5.03</u>
Lighting AL SL	0.051350 <u>0.04903</u>	
County Fair Transmission Supplement Secondary	1.47976	
County Fair Transmission Supplement Primary	1.35377	
Interim Pilot 1CP Secondary	0.051350 <u>0.04903</u>	7.926 <u>8.89</u>
Interim Pilot 1CP Primary	0.049560 <u>0.04732</u>	7.656 <u>6.65</u>
Interim Pilot 1CP Subtransmission/Transmission	0.048570 <u>0.04638</u>	7.496 <u>5.2</u>

The Interim Pilot 1CP Demand rates for the Basic Transmission Cost Rider are limited to availability as established in Case No. ~~10-2929-EL-UNC et al~~16-1852-EL-SSO. The monthly \$/kW for the Interim Pilot 1CP Basic Transmission rate will be based on the participating customer's demand during the single zonal transmission peak. The 1CP will be changed each January based on the customer's contribution to the single zonal transmission peak during the previous year.

This Rider is subject to reconciliation, including, but not limited to, refunds to customers, based upon the flow through impact to this Rider of changes to the Open Access Transmission Tariff approved by the Federal Energy Regulatory Commission (including changes related to the Tax Cuts and Jobs Act of 2017) or based upon the

Filed pursuant to Order dated ~~March 28~~April 25, 2018 in Case No. ~~18-0096-EL-RDR~~16-1852-EL-SSO

Issued: ~~March 28~~, 2018

Effective: Cycle 1 ~~April-June~~ 2018

Issued by
Julia Sloat, President
AEP Ohio

P.U.C.O. NO. 20

BASIC TRANSMISSION COST RIDER

results of audits ordered by the Commission in accordance with the ~~February 25, 2015~~April 25, 2018 Opinion and Order in Case Nos. ~~13-2385~~16-1852-EL-SSO, ~~et al.~~

Filed pursuant to Order dated ~~March 28~~April 25, 2018 in Case No. ~~18-0096-EL-RDR~~16-1852-EL-SSO

Issued: ~~March 28, 2018~~

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AEP Ohio

Effective: Cycle 1 ~~April-June~~ 2018

P.U.C.O. NO. 20

OAD - BASIC TRANSMISSION COST RIDER
(Open Access Distribution – Basic Transmission Cost Rider)

Effective Cycle 1 ~~April-June~~ 2018, all customer bills subject to the provisions of this Rider, including any bills rendered under special contract, shall be adjusted by the Basic Transmission Cost charge per kW and/or kWh as follows:

Schedule	¢/kWh	\$/kW
Residential RS, RR, RR-1, RS-ES, RS-TOD, RLM, RS-TOD2, CPP, RTP, and RDMS	2.3779 <u>02.0045</u> <u>1</u>	
Non Demand Metered GS-1, GS-1 TOD GS-2 Recreational Lighting, GS-TOD, GS-2-TOD, and GS-2-ES GS-3-ES EHS SS	1.7237 <u>31.4797</u> <u>6</u>	
Demand Metered Secondary GS-2 GS-3	0.05135 <u>0.0490</u> <u>3</u>	5.745 <u>0.01</u>
Demand Metered Primary GS-2 GS-3 GS-4	0.04956 <u>0.0473</u> <u>2</u>	6.025 <u>0.32</u>
Demand Metered Subtransmission/Transmission GS-2 GS-3 GS-4	0.04857 <u>0.0463</u> <u>8</u>	5.495 <u>0.03</u>
Lighting AL SL	0.05135 <u>0.0490</u> <u>3</u>	
County Fair Transmission Supplement Secondary	1.479 <u>76</u>	
County Fair Transmission Supplement Primary	1.353 <u>77</u>	
Interim Pilot 1CP Secondary	0.05135 <u>0.0490</u> <u>3</u>	7.926 <u>0.89</u>
Interim Pilot 1CP Primary	0.04956 <u>0.0473</u> <u>2</u>	7.656 <u>0.65</u>
Interim Pilot 1CP Subtransmission/Transmission	0.04857 <u>0.0463</u> <u>8</u>	7.496 <u>0.52</u>

The Interim Pilot 1CP Demand rates for the Basic Transmission Cost Rider are limited to availability as established in Case No. ~~10-2929-EL-UNC et al~~16-1852-EL-SSO. The monthly \$/kW for the Interim Pilot 1CP Basic Transmission rate will be based on the participating customer's demand during the single zonal transmission peak. The 1CP will be changed each January based on the customer's contribution to the single zonal transmission peak during the previous year.

Filed pursuant to Order dated ~~March 28~~April 25, 2018 in Case No. ~~18-0096-EL-RDR~~16-1852-EL-SSO.

Issued: ~~March 28~~, 2018

Effective: Cycle 1 ~~April-June~~ 2018

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Filed pursuant to Order dated March 28 April 25, 2018 in Case No. 18-0096-EL-RDR 16-1852-EL-SSO.

Issued: March 28, 2018

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Effective: Cycle 1 April-June 2018

Summary of Total Projected Transmission Costs / Revenues**Ohio Power Company****(\$)**

NITS	\$ 408,653,257	D
Transmission Enhancement Charges	\$ 68,389,630	D
Scheduling	\$ 3,550,943	E
Point to Point Revenues	\$ (2,548,286)	D
Reactive Supply Charges	\$ 12,263,659	E
Generation Deactivation Charges	\$ 236,827	E
Total Transmission Costs	<u>\$ 490,546,030</u>	
(Over)/Under Collection	\$ 47,533,163	O
Forecast Carrying Costs	<u>\$ 929,251</u>	O
Rider Revenue Requirement	<u><u>\$ 539,008,444</u></u>	
D = Demand, E = Energy, O = Other	\$ 539,008,444	

Summary of Current versus Proposed Transmission Revenues

Ohio Power Company

	Forecast for June 2018 - March 2019					
	Metered kWh	Billed kW	Current BTCR	Proposed BTCR	Difference	% Difference
Residential	11,962,647,933	0	\$284,459,805	\$239,792,474	(44,667,331)	-15.70%
GS Non Demand Secondary	659,389,685	0	\$11,366,098	\$9,757,385	(1,608,713)	-14.15%
GS Non Demand Primary	7,167,687	0	\$0	\$97,034	97,034	N/A
GS Secondary	9,790,277,660	28,806,226	\$170,375,043	\$149,119,364	(21,255,679)	-12.48%
GS Primary	5,067,714,676	11,019,692	\$68,850,104	\$61,022,803	(7,827,301)	-11.37%
GS Sub/Tran	8,964,662,104	12,248,472	\$71,598,247	\$65,767,624	(5,830,623)	-8.14%
Lighting	182,968,204	0	\$93,954	\$89,709	(4,245)	-4.52%
Pilot Secondary				\$2,477		
Pilot Primary				\$380,513		
Pilot Sub/Tran				\$16,380,711		
Total	36,634,827,950	52,074,389	\$606,743,251	\$542,410,093	(64,333,158)	-10.60%

Ohio Power Company
Summary of Current and Proposed Rates

	Forecast for June 2018 - March 2019				Forecast for June 2018 - March 2019			
	Current BTCR Energy Rate	Proposed BTCR Energy Rate	Energy Difference	Energy % Difference	Current BTCR Demand Rate	Proposed BTCR Demand Rate	Demand Difference	Demand % Difference
Residential	\$0.0237790	\$0.0200451	-\$0.0037339	-15.70%				
GS Non Demand Secondary	\$0.0172373	\$0.0147976	-\$0.0024397	-14.15%				
GS Non Demand Primary		\$0.0135377	\$0.0135377	N/A				
GS Secondary	\$0.0005135	\$0.0004903	-\$0.0000232	-4.52%	\$5.74	\$5.01	-\$0.73	-12.72%
GS Primary	\$0.0004956	\$0.0004732	-\$0.0000224	-4.52%	\$6.02	\$5.32	-\$0.70	-11.63%
GS Sub/Tran	\$0.0004857	\$0.0004638	-\$0.0000219	-4.51%	\$5.49	\$5.03	-\$0.46	-8.38%
Lighting	\$0.0005135	\$0.0004903	-\$0.0000232	-4.52%				
Pilot Secondary					\$7.92	\$6.89	-\$1.03	-13.01%
Pilot Primary					\$7.65	\$6.65	-\$1.00	-13.07%
Pilot Sub/Tran					\$7.49	\$6.52	-\$0.97	-12.95%

Ohio Power Company
Typical Bill Comparison
Cycle 1 June - BTCR
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	\$24.54	-\$0.38	-1.5%
	250		\$44.51	\$43.58	-\$0.93	-2.1%
	500		\$77.20	\$75.33	-\$1.87	-2.4%
	750		\$109.86	\$107.06	-\$2.80	-2.6%
	1,000		\$142.54	\$138.81	-\$3.73	-2.6%
	1,500		\$207.91	\$202.31	-\$5.60	-2.7%
	2,000		\$273.26	\$265.79	-\$7.47	-2.7%
GS-1 Secondary	375	3	\$60.85	\$59.94	-\$0.91	-1.5%
	1,000	3	\$122.54	\$120.10	-\$2.44	-2.0%
	750	6	\$97.87	\$96.04	-\$1.83	-1.9%
	2,000	6	\$221.23	\$216.36	-\$4.87	-2.2%
GS-2	1,500	12	\$305.94	\$297.15	-\$8.79	-2.9%
	4,000	12	\$501.55	\$492.70	-\$8.85	-1.8%
	6,000	30	\$888.83	\$866.79	-\$22.04	-2.5%
	10,000	30	\$1,201.48	\$1,179.34	-\$22.14	-1.8%
	10,000	40	\$1,329.80	\$1,300.36	-\$29.44	-2.2%
	14,000	40	\$1,642.45	\$1,612.92	-\$29.53	-1.8%
	12,500	50	\$1,653.51	\$1,616.72	-\$36.79	-2.2%
	18,000	50	\$2,081.74	\$2,044.83	-\$36.91	-1.8%
	15,000	75	\$2,169.68	\$2,114.58	-\$55.10	-2.5%
	30,000	100	\$3,654.48	\$3,580.78	-\$73.70	-2.0%
	36,000	100	\$4,120.10	\$4,046.26	-\$73.84	-1.8%
	30,000	150	\$4,296.04	\$4,185.84	-\$110.20	-2.6%
	60,000	300	\$8,548.72	\$8,328.33	-\$220.39	-2.6%
	90,000	300	\$10,876.80	\$10,655.71	-\$221.09	-2.0%
	100,000	500	\$14,218.98	\$13,851.66	-\$367.32	-2.6%
	150,000	500	\$18,099.11	\$17,730.63	-\$368.48	-2.0%
	180,000	500	\$20,427.17	\$20,057.99	-\$369.18	-1.8%

**Ohio Power Company
Typical Bill Comparison
Cycle 1 June - BTCR
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	\$2,044.83	-\$36.91	-1.8%
	30,000	75	\$3,333.72	\$3,278.27	-\$55.45	-1.7%
	50,000	75	\$4,885.78	\$4,829.87	-\$55.91	-1.1%
	36,000	100	\$4,120.10	\$4,046.26	-\$73.84	-1.8%
	30,000	150	\$4,296.04	\$4,185.84	-\$110.20	-2.6%
	60,000	150	\$6,624.11	\$6,513.22	-\$110.89	-1.7%
	100,000	150	\$9,728.21	\$9,616.39	-\$111.82	-1.2%
	120,000	300	\$13,204.88	\$12,983.10	-\$221.78	-1.7%
	150,000	300	\$15,532.95	\$15,310.47	-\$222.48	-1.4%
	200,000	300	\$19,413.07	\$19,189.43	-\$223.64	-1.2%
	180,000	500	\$20,427.17	\$20,057.99	-\$369.18	-1.8%
	200,000	500	\$21,979.23	\$21,609.59	-\$369.64	-1.7%
	325,000	500	\$31,679.55	\$31,307.01	-\$372.54	-1.2%
GS-2 Primary	200,000	1,000	\$27,344.70	\$26,640.22	-\$704.48	-2.6%
	300,000	1,000	\$34,683.15	\$33,976.43	-\$706.72	-2.0%
GS-3 Primary	360,000	1,000	\$39,086.22	\$38,378.15	-\$708.07	-1.8%
	400,000	1,000	\$42,021.60	\$41,312.64	-\$708.96	-1.7%
	650,000	1,000	\$60,367.73	\$59,653.17	-\$714.56	-1.2%
GS-2 Subtransmission						
	1,500,000	5,000	\$126,066.88	\$123,734.03	-\$2,332.85	-1.9%
GS-3 Subtransmission	2,500,000	5,000	\$182,851.78	\$180,497.03	-\$2,354.75	-1.3%
	3,250,000	5,000	\$225,440.47	\$223,069.29	-\$2,371.18	-1.1%
GS-4 Subtransmission	3,000,000	10,000	\$243,244.23	\$238,578.53	-\$4,665.70	-1.9%
	5,000,000	10,000	\$356,814.03	\$352,104.53	-\$4,709.50	-1.3%
	6,500,000	10,000	\$441,991.38	\$437,249.03	-\$4,742.35	-1.1%
	10,000,000	20,000	\$704,738.53	\$695,319.53	-\$9,419.00	-1.3%
	13,000,000	20,000	\$875,093.23	\$865,608.53	-\$9,484.70	-1.1%
GS-4 Transmission	25,000,000	50,000	\$1,748,512.03	\$1,724,964.53	-\$23,547.50	-1.4%
	32,500,000	50,000	\$2,174,398.78	\$2,150,687.03	-\$23,711.75	-1.1%

* Typical bills assume 100% Power Factor

Ohio Power Company
Typical Bill Comparison
Cycle 1 June BTCR
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	\$23.89	-\$0.38	-1.6%
	250		\$42.90	\$41.97	-\$0.93	-2.2%
	500		\$73.99	\$72.12	-\$1.87	-2.5%
RR Annual	750		\$105.05	\$102.25	-\$2.80	-2.7%
	1,000		\$136.13	\$132.40	-\$3.73	-2.7%
	1,500		\$198.28	\$192.68	-\$5.60	-2.8%
	2,000		\$260.42	\$252.95	-\$7.47	-2.9%
 GS-1						
	375	3	55.35	54.44	-\$0.91	-1.6%
	1,000	3	124.44	122.00	-\$2.44	-2.0%
	750	6	96.81	94.98	-\$1.83	-1.9%
	2,000	6	234.96	230.09	-\$4.87	-2.1%
 GS-2 Secondary						
	1,500	12	\$273.50	\$264.71	-\$8.79	-3.2%
	4,000	12	\$452.86	\$444.01	-\$8.85	-2.0%
	6,000	30	\$823.72	\$801.68	-\$22.04	-2.7%
	10,000	30	\$1,110.36	\$1,088.22	-\$22.14	-2.0%
	10,000	40	\$1,236.78	\$1,207.34	-\$29.44	-2.4%
	14,000	40	\$1,523.41	\$1,493.88	-\$29.53	-1.9%
	12,500	50	\$1,542.35	\$1,505.56	-\$36.79	-2.4%
	18,000	50	\$1,934.80	\$1,897.89	-\$36.91	-1.9%
	15,000	75	\$2,037.54	\$1,982.44	-\$55.10	-2.7%
	30,000	150	\$4,052.18	\$3,941.98	-\$110.20	-2.7%
	60,000	300	\$8,081.43	\$7,861.04	-\$220.39	-2.7%
	100,000	500	\$13,453.79	\$13,086.47	-\$367.32	-2.7%
 GS-2 Primary						
	100,000	1,000	\$18,554.18	\$17,851.94	-\$702.24	-3.8%
 GS-3 Secondary						
	30,000	75	\$3,104.03	\$3,048.58	-\$55.45	-1.8%
	50,000	75	\$4,526.00	\$4,470.09	-\$55.91	-1.2%
	30,000	100	\$3,420.07	\$3,346.37	-\$73.70	-2.2%
	36,000	100	\$3,846.66	\$3,772.82	-\$73.84	-1.9%
	60,000	150	\$6,185.12	\$6,074.23	-\$110.89	-1.8%

**Ohio Power Company
Typical Bill Comparison
Cycle 1 June BTCR
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	\$8,917.23	-\$111.82	-1.2%
	90,000	300	\$10,214.39	\$9,993.30	-\$221.09	-2.2%
	120,000	300	\$12,347.33	\$12,125.55	-\$221.78	-1.8%
	150,000	300	\$14,480.29	\$14,257.81	-\$222.48	-1.5%
	200,000	300	\$18,035.19	\$17,811.55	-\$223.64	-1.2%
	150,000	500	\$17,008.71	\$16,640.23	-\$368.48	-2.2%
	180,000	500	\$19,141.65	\$18,772.47	-\$369.18	-1.9%
	200,000	500	\$20,563.62	\$20,193.98	-\$369.64	-1.8%
	325,000	500	\$29,450.91	\$29,078.37	-\$372.54	-1.3%
GS-3 Primary						
	300,000	1,000	\$31,982.64	\$31,275.92	-\$706.72	-2.2%
	360,000	1,000	\$36,011.18	\$35,303.11	-\$708.07	-2.0%
	400,000	1,000	\$38,696.87	\$37,987.91	-\$708.96	-1.8%
	650,000	1,000	\$55,482.45	\$54,767.89	-\$714.56	-1.3%
GS-4						
	1,500,000	5,000	\$118,380.99	\$116,048.14	-\$2,332.85	-2.0%
	2,500,000	5,000	\$170,036.79	\$167,682.04	-\$2,354.75	-1.4%
	3,250,000	5,000	\$208,778.65	\$206,407.47	-\$2,371.18	-1.1%
	3,000,000	10,000	\$227,864.69	\$223,198.99	-\$4,665.70	-2.1%
	5,000,000	10,000	\$331,176.29	\$326,466.79	-\$4,709.50	-1.4%
	6,500,000	10,000	\$408,659.99	\$403,917.64	-\$4,742.35	-1.2%
	6,000,000	20,000	\$446,831.93	\$437,500.53	-\$9,331.40	-2.1%
	10,000,000	20,000	\$653,455.13	\$644,036.13	-\$9,419.00	-1.4%
	13,000,000	20,000	\$808,422.69	\$798,937.99	-\$9,484.70	-1.2%
	15,000,000	50,000	\$1,103,734.29	\$1,080,405.79	-\$23,328.50	-2.1%
	25,000,000	50,000	\$1,620,292.29	\$1,596,744.79	-\$23,547.50	-1.5%
	32,500,000	50,000	\$2,007,710.79	\$1,983,999.04	-\$23,711.75	-1.2%

* Typical bills assume 100% Power Factor

Ohio Power Company
 Projected Basic Transmission Cost Rider Cost / Revenues
 June 2018 - March 2019
 (Revenue)/ Expense in \$

	Forecast Apr-18	Forecast May-18	Forecast Jun-18	Forecast Jul-18	Forecast Aug-18	Forecast Sep-18	Forecast Oct-18	Forecast Nov-18	Forecast Dec-18	Forecast Jan-19	Forecast Feb-19	Forecast Mar-19	Forecast BTCR	
													Feb '18 - Mar '19	Mar '19
4,984.85 NITS	\$4,984.85 per MW*Mo.	(2,511,726)	38,443,392	38,443,392	38,443,392	38,443,392	38,443,392	38,443,392	38,443,392	46,516,504	46,516,504	46,516,504	444,584,923	
Transmission Enhancement Charges		6,838,963	6,838,963	6,838,963	6,838,963	6,838,963	6,838,963	6,838,963	6,838,963	6,838,963	6,838,963	6,838,963	82,067,556	
Scheduling		314,901	321,625	356,923	388,714	380,570	329,697	321,052	321,895	363,023	363,023	363,023	4,187,469	
Point to Point Revenues		(341,641)	(221,230)	(245,453)	(279,615)	(324,361)	(181,209)	(225,835)	(195,576)	(274,059)	(274,059)	(274,059)	(3,111,158)	
Reactive Supply Charges		1,198,403	1,238,350	1,198,403	1,238,350	1,238,350	1,198,403	1,238,350	1,198,403	1,238,350	1,238,350	1,238,350	14,700,412	
Generation Deactivation Charges		23,143	23,914	23,143	23,914	23,914	23,143	23,914	23,143	23,914	23,914	23,914	283,884	
Total Net RTO Costs		5,522,043	46,645,014	46,615,371	46,653,718	46,600,828	46,652,389	46,639,836	46,630,220	46,633,583	54,706,695	54,706,695	54,706,695	542,713,086

2018 - 2019 Forecasted Load (kWh)

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr '18 - Mar '19
Residential	1,028,500,803	884,445,814	991,025,685	1,262,259,835	1,311,760,436	1,228,487,479	909,248,942	910,762,150	1,250,396,942	1,533,199,221	1,381,801,480	1,203,192,821	13,895,081,609
Commercial	1,114,030,245	1,125,818,290	1,238,636,068	1,330,400,037	1,334,250,748	1,329,812,049	1,179,959,419	1,101,619,956	1,212,062,772	1,263,351,207	1,177,262,184	1,145,588,644	14,552,791,618
Industrial	1,203,661,474	1,212,034,086	1,221,169,907	1,218,069,995	1,240,837,712	1,229,543,337	1,224,493,917	1,209,446,324	1,231,712,911	1,228,714,211	1,215,498,465	1,210,454,737	14,645,637,076
Other	9,775,944	9,275,737	9,010,884	8,733,324	9,182,005	9,555,117	10,565,051	11,138,397	11,445,154	11,759,873	10,693,202	10,627,614	121,762,300
Municipals	593,940	537,540	598,320	712,380	801,800	793,220	631,380	538,800	725,520	888,060	753,540	654,720	8,229,220
Total	3,356,562,406	3,232,111,467	3,460,440,865	3,820,175,570	3,896,832,701	3,798,191,201	3,324,898,709	3,233,505,627	3,706,343,298	4,037,912,573	3,786,008,870	3,570,518,536	43,223,501,823

AEP East NSPL (7/19/2017 1700 EPT)

	18,338.0 MW
AEP Ohio 12 CP Allocation	0.42055

Ohio Power Company
Monthly Projected Cost for Each Rate Schedule

	Forecast Apr-18	Forecast May-18	Forecast Jun-18	Forecast Jul-18	Forecast Aug-18	Forecast Sep-18	Forecast Oct-18	Forecast Nov-18	Forecast Dec-18	Forecast Jan-19	Forecast Feb-19	Forecast Mar-19	Forecast 2017/2018																	
													Proposed Rates		Total															
													kWh	Demand																
METERED kWh:																														
Residential			989,491,221	1,260,653,778	1,310,004,221	1,226,393,178	907,403,652	908,742,028	1,248,241,109	1,530,994,511	1,379,666,164	1,201,058,072			11,962,647,933															
GS Non Demand Secondary			60,358,399	68,830,444	66,654,287	67,067,804	57,555,655	57,420,271	69,584,951	78,684,702	69,043,475	64,189,696			659,389,685															
Non Demand Primary			612,312	584,806	1,252,756	1,492,891	945,538	410,739	499,314	511,925	429,390	428,018			7,167,687															
GS Secondary			960,145,554	1,071,887,078	1,038,932,976	1,043,302,792	936,655,250	875,040,979	984,170,217	1,039,077,544	924,172,041	916,893,229			9,790,277,660															
GS Primary			480,407,296	542,970,915	525,937,275	537,361,331	510,065,090	482,818,858	510,312,341	539,033,688	464,693,123	474,114,759			5,067,714,676															
GS Sub/Tran			953,970,272	859,490,643	937,551,611	904,363,403	893,979,885	889,390,019	873,287,464	828,779,592	928,884,642	894,964,575			8,964,662,104															
Lighting			15,455,811	15,757,905	16,499,574	18,209,804	18,293,640	19,682,733	20,247,902	20,830,611	19,120,036	18,870,188			182,968,204															
Total	-	-	3,460,440,865	3,820,175,570	3,896,832,701	3,798,191,201	3,324,898,709	3,233,505,627	3,706,343,298	4,037,912,573	3,786,008,870	3,570,518,536			36,634,827,950															
DEMAND:																														
GS Secondary			2,902,258	3,096,421	3,019,474	3,091,515	2,879,307	2,769,257	2,753,338	2,809,262	2,691,726	2,793,668			28,806,226															
GS Primary			1,042,480	1,166,047	1,153,163	1,158,431	1,111,058	1,086,092	1,061,252	1,142,650	1,022,453	1,076,065			11,019,692															
GS Sub/Tran			1,217,269	1,151,557	1,305,446	1,255,367	1,257,150	1,368,084	1,016,751	1,200,105	1,354,038	1,122,705			12,248,472															
Total	-	-	5,162,007	5,414,024	5,478,084	5,505,313	5,247,515	5,223,433	4,831,341	5,152,018	5,068,218	4,992,438			52,074,389															
REVENUES:																														
Residential	\$	-	\$	19,834,450	\$	25,269,931	\$	26,259,166	\$	24,583,174	\$	18,188,997	\$	18,215,825	\$	25,021,118	\$	30,688,938	\$	27,655,546	\$	24,075,329	0.0200451	\$	239,792,474					
GS Non Demand Secondary	-	-	-	893,159	-	1,018,525	-	986,323	-	992,443	-	851,686	-	849,682	-	1,029,690	-	1,164,345	-	1,021,678	-	949,853	0.0147976	\$	9,757,385					
Non Demand Primary	-	-	-	8,289	-	7,917	-	16,959	-	20,210	-	12,800	-	5,560	-	6,760	-	6,930	-	5,813	-	5,794	0.0135377	\$	97,034					
GS Secondary	-	-	-	15,011,071	-	16,038,613	-	15,636,955	-	16,000,021	-	14,884,568	-	14,303,010	-	14,276,760	-	14,583,863	-	13,938,671	-	14,445,831	0.0004903	5.01	\$	149,119,364				
GS Primary	-	-	-	5,773,322	-	6,460,303	-	6,383,702	-	6,417,132	-	6,152,194	-	6,006,481	-	5,887,341	-	6,333,971	-	5,659,344	-	5,949,014	0.0004732	5.32	\$	61,022,803				
GS Sub/Tran	-	-	-	6,565,314	-	6,190,961	-	7,001,231	-	6,733,938	-	6,738,093	-	7,293,961	-	5,519,289	-	6,420,916	-	7,241,627	-	6,062,292	0.0004638	5.03	\$	65,767,624				
Lighting	-	-	-	7,578	-	7,726	-	8,090	-	8,928	-	8,969	-	9,650	-	9,928	-	10,213	-	9,375	-	9,252	0.0004903	\$	89,709					
Total	\$	-	\$	48,093,184	\$	54,993,977	\$	56,292,426	\$	54,755,846	\$	46,837,307	\$	46,684,170	\$	51,750,885	\$	59,209,177	\$	55,532,054	\$	51,497,367			\$	525,646,393				
													Plus Pilot Demand															\$	13,500,888.61	
																												\$	539,147,281.11	

Monthly Pilot
1125074.1

Ohio Power Company
Projected Transmission Cost Recovery Rider Rate Calculations
June 2018 - March 2019

	<u>Demand</u>	<u>Demand Cost</u>	Loss Adjusted <u>kWh Energy</u>	<u>Energy Cost</u>	<u>Total Cost</u>
Forecast					
Residential	3,710.8	\$ 212,895,073	11,962,647,933	\$ 5,337,709.61	\$ 218,232,783
GS Non Demand Secondary	149.7	8,585,859	659,389,685	294,218	\$ 8,880,077
Non Demand Primary	1.5	85,223	6,918,536	3,087	\$ 88,310
GS Secondary	2,287.3	131,226,949	9,790,277,660	4,368,402	\$ 135,595,352
GS Primary	930.3	53,371,538	4,891,559,208	2,182,604	\$ 55,554,142
GS Sub/Tran	976.8	56,042,939	8,480,019,285	3,783,768	\$ 59,826,707
Lighting	0.0	-	182,968,204	81,640	\$ 81,640
Pilot Secondary	0.0	1,719			\$ 1,719
Pilot Primary	4.8	273,570			\$ 273,570
Pilot Sub/Tran	209.4	12,011,731			\$ 12,011,731
Total	8,270.5	\$ 474,494,601	35,973,780,511	\$ 16,051,429	\$ 490,546,030

Reconciliation

Residential	\$ 21,032,500	\$ 527,327	\$ 21,559,827
GS Non Demand Secondary	\$ 848,221	\$ 29,067	\$ 877,288
Non Demand Primary	\$ 8,419	\$ 305	\$ 8,724
GS Secondary	\$ 12,964,277	\$ 431,567	\$ 13,395,844
GS Primary	\$ 5,272,724	\$ 215,626	\$ 5,488,349
GS Sub/Tran	\$ 5,536,639	\$ 373,809	\$ 5,910,448
Lighting	\$ -	\$ 8,065	\$ 8,065
Pilot Secondary	\$ 170		
Pilot Primary	\$ 27,027		
Pilot Sub/Tran	\$ 1,186,673		
Total	\$ 46,876,649	\$ 1,585,766	\$ 48,462,414

Total

Residential	\$ 233,927,573	\$ 5,865,037	\$ 239,792,610
GS Non Demand Secondary	\$ 9,434,079	\$ 323,285	\$ 9,757,365
Non Demand Primary	\$ 93,642	\$ 3,392	\$ 97,034
GS Secondary	\$ 144,191,226	\$ 4,799,969	\$ 148,991,196
GS Primary	\$ 58,644,262	\$ 2,398,229	\$ 61,042,491
GS Sub/Tran	\$ 61,579,578	\$ 4,157,577	\$ 65,737,155
Lighting	\$ -	\$ 89,705	\$ 89,705
Pilot Secondary	\$ 1,888		\$ 1,888
Pilot Primary	\$ 300,597		\$ 300,597
Pilot Sub/Tran	\$ 13,198,404		\$ 13,198,404
Total	\$ 521,371,249	\$ 17,637,195	\$ 539,008,444

Ohio Power Company
Projected Basic Transmission Cost Rider Rate Calculations
June 2018 - March 2019

	Costs		Billing Units		Rates	
	<u>Demand Cost</u>	<u>Energy Cost</u>	<u>KW</u>	<u>kWh</u>	<u>Demand</u>	<u>Energy</u>
Residential	\$ 233,927,573	\$ 5,865,037	-	11,962,647,933		\$ 0.0200451
GS Non Demand Secondary	\$ 9,434,079	\$ 323,285	-	659,389,685		\$ 0.0147976
Non Demand Primary	\$ 93,642	\$ 3,392	-	7,167,687		\$ 0.0135377
GS Secondary	\$ 144,191,226	\$ 4,799,969	28,806,226	9,790,277,660	\$ 5.01	\$ 0.0004903
GS Primary	\$ 58,644,262	\$ 2,398,229	11,019,692	5,067,714,676	\$ 5.32	\$ 0.0004732
GS Sub/Tran	\$ 61,579,578	\$ 4,157,577	12,248,472	8,964,662,104	\$ 5.03	\$ 0.0004638
Lighting	\$ -	\$ 89,705	-	182,968,204		\$ 0.0004903
Pilot Secondary	\$ 1,888					
Pilot Primary	\$ 300,597					
Pilot Sub/Tran	\$ 13,198,404					
Total	\$ 521,371,249	\$ 17,637,195	52,074,389	36,634,827,950		
Pilot 1CP	Demand Cost		1CP	Loss Factor		
Secondary	\$ 521,371,249		82,704,585	1.0932	\$ 6.89	
Primary				1.0552	\$ 6.65	
Sub/Tran				1.0341	\$ 6.52	

Ohio Power Company

	Metered		Loss	Units @ Secondary
	Energy	Demand	Factor	Energy
Residential	11,962,647,933	-	1.0000	11,962,647,933
GS Non Demand Secondary	659,389,685	-	1.0000	659,389,685
Non Demand Primary	7,167,687		0.9652	6,918,536
GS Secondary	9,790,277,660	28,806,226	1.0000	9,790,277,660
GS Primary	5,067,714,676	11,019,692	0.9652	4,891,559,208
GS Sub/Tran	8,964,662,104	12,248,472	0.9459	8,480,019,285
Lighting	182,968,204		1.0000	182,968,204
	36,634,827,950	52,074,389		35,973,780,511

Ohio Power Company Class Contribution to NSPL			
Class	Metered	At Generation	
	Class MW	Loss Factor	Class MW
Residential	3,394	1.0932	3,711
GS Non Demand Secondary	137	1.0932	150
GS Secondary	2,092	1.0932	2,287
GS Primary	882	1.0552	930
GS Sub/Tran	945	1.0341	977
Lighting	-	1.0932	-
Pilot Secondary	0	1.0932	0
Pilot Primary	5	1.0552	5
Pilot Sub/Tran	202	1.0341	209
County Fair Primary	1	1.0552	1
Total	7,658		8,270

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5/8/2018 2:48:08 PM

in

Case No(s). 18-0096-EL-RDR

Summary: Tariff - Ohio Power Company provide schedules to support the updated rate electronically filed by Mr. Steven T Nourse on behalf of Ohio Power Company