



Legal Department

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

March 4, 2021

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
(614) 716-1608 (P)
(614) 716-2014 (F)
stnourse@aep.com

Re: *In the Matter of the Application of Ohio Power
Company to Update Its Basic Transmission Cost
Rider*, Case No. 21-53-EL-RDR

Dear Ms. McNeal:

On January 15, 2021, AEP Ohio filed its Basic Transmission Cost Rider (BTCR) in this docket and it filed a correction to the proposed rate on February 16, 2021. On February 24, 2021, I filed an updated rate based on the parties' recommendation to expand the participation cap. Enclosed is the final revised rate proposal reflecting the final elections that were made after the February 24 rate proposal.

Thank you for your attention to this matter.

Respectfully Submitted,

//s/ Steven T. Nourse

cc: Parties of Record

OHIO POWER COMPANY

10th Revised Sheet No. 474-1
Cancels 9th Revised Sheet No. 474-1

P.U.C.O. NO. 20

BASIC TRANSMISSION COST RIDER

Effective Cycle 1 April 2021, 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	2.92854	
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	2.14775	
Demand Metered Secondary GS-2 GS-3	0.04749	6.64
Demand Metered Primary GS-2 GS-3 GS-4	0.04584	6.72
Demand Metered Subtransmission/Transmission GS-2 GS-3 GS-4	0.04492	6.45
Lighting AL SL	0.04749	
County Fair Transmission Supplement Secondary	2.14775	
County Fair Transmission Supplement Primary	2.47042	
Interim Pilot 1CP Secondary	0.04749	12.67
Interim Pilot 1CP Primary	0.04584	13.18
Interim Pilot 1CP Subtransmission/Transmission	0.04492	12.54
Interim Pilot 1CP Secondary School	0.04749	8.98

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 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 XXXXX XX, XXXX in Case No. XX-XX-EL-RDR.

Issued: XXXXX XX, XXXX

Issued by
Raja Sundararajan, President
AEP Ohio

Effective: Cycle 1 April 2021

OHIO POWER COMPANY

10th Revised Sheet No. 474-1D
Cancels 9th Revised Sheet No. 474-1D

P.U.C.O. NO. 20

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

Effective Cycle 1 April 2021, 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:

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Issued: XXXXX XX, XXXX

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AEP Ohio

Effective: Cycle 1 April 2021

OHIO POWER COMPANY

910th Revised Sheet No. 474-1
Cancels 89th Revised Sheet No. 474-1

P.U.C.O. NO. 20

BASIC TRANSMISSION COST RIDER

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Residential RS, RR, RR-1, RS-ES, RS-TOD, RLM, RS-TOD2, CPP, RTP, and RDMS	2.48954 2.92854	
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	1.82947 2.14775	
Demand Metered Secondary GS-2 GS-3	0.04495 0.04749	5.446 6.64
Demand Metered Primary GS-2 GS-3 GS-4	0.04339 0.04584	6.126 7.72
Demand Metered Subtransmission/Transmission GS-2 GS-3 GS-4	0.04252 0.04492	5.166 6.45
Lighting AL SL	0.50883 0.04749	
County Fair Transmission Supplement Secondary	1.82947 2.14775	
County Fair Transmission Supplement Primary	1.08384 2.47042	
Interim Pilot 1CP Secondary	0.04495 0.04749	8.89 12.67
Interim Pilot 1CP Primary	0.04339 0.04584	8.58 13.18
Interim Pilot 1CP Subtransmission/Transmission	0.04252 0.04492	8.41 12.54
<u>Interim Pilot 1CP Secondary School</u>	<u>0.04749</u>	<u>8.98</u>

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Issued: ~~March~~XXXXX 27XX, 2020XXXX

Effective: Cycle 1 April ~~2020~~2021

Issued by
Raja Sundararajan, President
AEP Ohio

OHIO POWER COMPANY

~~910~~th Revised Sheet No. 474-2
Cancels ~~89~~th Revised Sheet No. 474-2

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.

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Issued: ~~MarchXXXXX 27XX, 2020XXXX~~

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AEP Ohio

OHIO POWER COMPANY

910th Revised Sheet No. 474-1D
Cancels 89th Revised Sheet No. 474-1D

P.U.C.O. NO. 20

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

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Demand Metered Secondary GS-2 GS-3	0.04495 0.04749	5.446 6.64
Demand Metered Primary GS-2 GS-3 GS-4	0.04339 0.04584	6.126 7.72
Demand Metered Subtransmission/Transmission GS-2 GS-3 GS-4	0.04252 0.04492	5.166 6.45
Lighting AL SL	0.50883 0.04749	
County Fair Transmission Supplement Secondary	4.82947 2.14775	
County Fair Transmission Supplement Primary	4.08384 2.47042	
Interim Pilot 1CP Secondary	0.04495 0.04749	8.89 12.67
Interim Pilot 1CP Primary	0.04339 0.04584	8.58 13.18
Interim Pilot 1CP Subtransmission/Transmission	0.04252 0.04492	8.41 12.54
<u>Interim Pilot 1CP Secondary School</u>	<u>0.04749</u>	<u>8.98</u>

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OHIO POWER COMPANY

~~910~~th Revised Sheet No. 474-2D
Cancels ~~89~~th Revised Sheet No. 474-2D

P.U.C.O. NO. 20

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

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

NITS	\$ 774,490,857	D
Transmission Enhancement Charges	\$ 63,852,091	D
Scheduling	\$ 2,518,159	E
Point to Point Revenues	\$ (9,822,857)	D
Reactive Supply Charges	\$ 16,982,856	E
Generation Deactivation Charges	\$ -	E
PJM Customer Default Costs	\$ 2,773	D/E
Total Transmission Costs	<u>\$ 848,023,878</u>	
(Over)/Under Collection	\$ 12,582,380	O
Forecast Carrying Costs	<u>\$ 406,104</u>	O
Rider Revenue Requirement	<u><u>\$ 861,012,363</u></u>	

D = Demand, E = Energy, O = Other \$ 861,012,363

Summary of Current versus Proposed Transmission Revenues

Ohio Power Company

	Forecast for April 2021 - March 2022					
	Metered kWh	Billed kW	Current BTCR	Proposed BTCR	Difference	% Difference
Residential	14,370,894,676	0	\$357,769,171	\$420,857,399	\$63,088,228	17.63%
GS Non Demand Secondary	801,036,090	0	\$14,654,715	\$17,204,253	\$2,549,538	17.40%
GS Non Demand Primary	4,934,900	0	\$53,486	\$121,913	\$68,426	127.93%
GS Secondary	10,775,214,496	31,881,923	\$178,281,118	\$216,813,115	\$38,531,998	21.61%
GS Primary	5,869,021,439	12,678,864	\$80,141,217	\$88,399,481	\$8,258,264	10.30%
GS Sub/Tran	10,428,638,774	14,364,993	\$78,557,621	\$103,659,347	\$25,101,725	31.95%
Lighting	209,748,750	0	\$1,067,265	\$99,610	-\$967,655	-90.67%
Pilot Secondary				\$108,505		
Pilot Primary				\$870,035		
Pilot Sub/Tran				\$13,405,088		
Total	42,459,489,124	58,925,780	\$710,524,593	\$861,538,745	\$151,014,151	21.25%

Ohio Power Company
Summary of Current and Proposed Rates

Proposed Rates based on Pilot Cap Requirements

	Forecast for April 2021 - March 2022				Forecast for April 2021 - March 2022				Forecast for April 2021 - March 2022			
	Current BTCR Energy Rate	Proposed BTCR Energy Rate	Energy Difference	Energy % Difference	Current BTCR Demand Rate	Proposed BTCR Demand Rate	Demand Difference	Demand % Difference	Current BTCR Demand Rate	Proposed BTCR Demand Rate	Demand Difference	Demand % Difference
Residential	\$0.0248954	\$0.0292854	\$0.0043900	17.63%								
GS Non Demand Secondary	\$0.0182947	\$0.0214775	\$0.0031828	17.40%								
GS Non Demand Primary	\$0.0108384	\$0.0247042	\$0.0138658	127.93%								
GS Secondary	\$0.0004495	\$0.0004749	\$0.0000254	5.65%	\$5.44	\$6.64	\$1.20	22.06%	\$5.44	\$6.64	\$1.20	22.06%
GS Primary	\$0.0004339	\$0.0004584	\$0.0000245	5.65%	\$6.12	\$6.76	\$0.64	10.46%	\$6.12	\$6.72	\$0.60	9.80%
GS Sub/Tran	\$0.0004252	\$0.0004492	\$0.0000240	5.64%	\$5.16	\$6.89	\$1.73	33.53%	\$5.16	\$6.45	\$1.29	25.00%
Lighting	\$0.0050883	\$0.0004749	-\$0.0046134	-90.67%								
Pilot Secondary					\$8.89	\$8.98	\$0.09	1.01%	\$8.89	\$12.67	\$3.78	42.52%
Pilot Primary					\$8.58	\$8.66	\$0.08	0.93%	\$8.58	\$13.18	\$4.60	53.61%
Pilot Sub/Tran					\$8.41	\$8.49	\$0.08	0.95%	\$8.41	\$12.54	\$4.13	49.11%

**Ohio Power Company
Typical Bill Comparison
Cycle 1 April 2021 - 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		\$26.03	\$26.47	\$0.44	1.7%
	250		\$42.28	\$43.38	\$1.10	2.6%
	500		\$69.42	\$71.61	\$2.19	3.2%
	750		\$96.52	\$99.81	\$3.29	3.4%
	1,000		\$123.63	\$128.02	\$4.39	3.6%
	1,500		\$177.87	\$184.46	\$6.59	3.7%
	2,000		\$232.08	\$240.86	\$8.78	3.8%
GS-1 Secondary	100	3	\$38.51	\$38.83	\$0.32	0.8%
	500	3	\$69.75	\$71.34	\$1.59	2.3%
	1,000	3	\$108.78	\$111.97	\$3.19	2.9%
	750	6	\$89.26	\$91.65	\$2.39	2.7%
	2,000	6	\$186.84	\$193.21	\$6.37	3.4%
GS-2	1,500	12	\$270.53	\$284.97	\$14.44	5.3%
	4,000	12	\$407.92	\$422.42	\$14.50	3.6%
	6,000	30	\$730.69	\$766.84	\$36.15	5.0%
	10,000	30	\$950.16	\$986.41	\$36.25	3.8%
	10,000	40	\$1,068.52	\$1,116.77	\$48.25	4.5%
	14,000	40	\$1,287.98	\$1,336.34	\$48.36	3.8%
	12,500	50	\$1,324.06	\$1,384.38	\$60.32	4.6%
	18,000	50	\$1,624.14	\$1,684.60	\$60.46	3.7%
	15,000	75	\$1,757.12	\$1,847.50	\$90.38	5.1%
	30,000	100	\$2,867.63	\$2,988.39	\$120.76	4.2%
	36,000	100	\$3,193.46	\$3,314.38	\$120.92	3.8%
	30,000	150	\$3,459.45	\$3,640.21	\$180.76	5.2%
	60,000	300	\$6,864.07	\$7,225.59	\$361.52	5.3%
	90,000	300	\$8,493.25	\$8,855.53	\$362.28	4.3%
	100,000	500	\$11,403.57	\$12,006.11	\$602.54	5.3%
	150,000	500	\$14,118.88	\$14,722.69	\$603.81	4.3%
	180,000	500	\$15,748.03	\$16,352.60	\$604.57	3.8%

**Ohio Power Company
Typical Bill Comparison
Cycle 1 April 2021 - 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	\$1,624.14	\$1,684.60	\$60.46	3.7%
	30,000	75	\$2,571.72	\$2,662.48	\$90.76	3.5%
	50,000	75	\$3,657.85	\$3,749.12	\$91.27	2.5%
	36,000	100	\$3,193.46	\$3,314.38	\$120.92	3.8%
	30,000	150	\$3,459.45	\$3,640.21	\$180.76	5.2%
	60,000	150	\$5,088.62	\$5,270.14	\$181.52	3.6%
	100,000	150	\$7,260.85	\$7,443.39	\$182.54	2.5%
	120,000	300	\$10,122.42	\$10,485.47	\$363.05	3.6%
	150,000	300	\$11,751.61	\$12,115.42	\$363.81	3.1%
	200,000	300	\$14,466.88	\$14,831.96	\$365.08	2.5%
	180,000	500	\$15,748.03	\$16,352.60	\$604.57	3.8%
	200,000	500	\$16,834.15	\$17,439.23	\$605.08	3.6%
	325,000	500	\$23,622.38	\$24,230.63	\$608.25	2.6%
GS-2 Primary	200,000	1,000	\$22,622.83	\$23,227.73	\$604.90	2.7%
	300,000	1,000	\$27,900.30	\$28,507.65	\$607.35	2.2%
GS-3 Primary	360,000	1,000	\$31,066.78	\$31,675.60	\$608.82	2.0%
	400,000	1,000	\$33,177.77	\$33,787.57	\$609.80	1.8%
	650,000	1,000	\$46,371.46	\$46,987.38	\$615.92	1.3%
GS-2 Subtransmission	1,500,000	5,000	\$97,597.06	\$104,083.06	\$6,486.00	6.7%
GS-3 Subtransmission	2,500,000	5,000	\$142,995.36	\$149,505.36	\$6,510.00	4.6%
	3,250,000	5,000	\$177,044.09	\$183,572.09	\$6,528.00	3.7%
GS-4 Subtransmission	3,000,000	10,000	\$191,494.51	\$204,466.51	\$12,972.00	6.8%
	5,000,000	10,000	\$282,291.11	\$295,311.11	\$13,020.00	4.6%
	6,500,000	10,000	\$350,388.56	\$363,444.56	\$13,056.00	3.7%
	10,000,000	20,000	\$560,882.61	\$586,922.61	\$26,040.00	4.6%
	13,000,000	20,000	\$697,077.51	\$723,189.51	\$26,112.00	3.8%
GS-4 Transmission	25,000,000	50,000	\$1,396,657.11	\$1,461,757.11	\$65,100.00	4.7%
	32,500,000	50,000	\$1,737,144.36	\$1,802,424.36	\$65,280.00	3.8%

* Typical bills assume 100% Power Factor

**Ohio Power Company
Typical Bill Comparison
Cycle 1 April 2021 - 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		\$26.03	\$26.47	\$0.44	1.7%
	250		\$42.29	\$43.39	\$1.10	2.6%
	500		\$69.44	\$71.63	\$2.19	3.2%
RR Annual	750		\$96.55	\$99.84	\$3.29	3.4%
	1,000		\$123.69	\$128.08	\$4.39	3.6%
	1,500		\$177.95	\$184.54	\$6.59	3.7%
	2,000		\$232.16	\$240.94	\$8.78	3.8%
GS-1	100	3	30.15	30.47	\$0.32	1.1%
	500	3	69.14	70.73	\$1.59	2.3%
	1,000	3	117.85	121.04	\$3.19	2.7%
	750	6	93.49	95.88	\$2.39	2.6%
	2,000	6	215.33	221.70	\$6.37	3.0%
GS-2						
Secondary						
	1,500	12	\$247.04	\$261.48	\$14.44	5.9%
	4,000	12	\$384.43	\$398.93	\$14.50	3.8%
	6,000	30	\$703.69	\$739.84	\$36.15	5.1%
	10,000	30	\$923.17	\$959.42	\$36.25	3.9%
	10,000	40	\$1,039.57	\$1,087.82	\$48.25	4.6%
	14,000	40	\$1,259.03	\$1,307.39	\$48.36	3.8%
	12,500	50	\$1,293.16	\$1,353.48	\$60.32	4.7%
	18,000	50	\$1,593.24	\$1,653.70	\$60.46	3.8%
	15,000	75	\$1,721.34	\$1,811.72	\$90.38	5.3%
	30,000	150	\$3,409.01	\$3,589.77	\$180.76	5.3%
	60,000	300	\$6,784.34	\$7,145.86	\$361.52	5.3%
	100,000	500	\$11,284.80	\$11,887.34	\$602.54	5.3%
GS-2						
Primary						
	100,000	1,000	\$16,488.64	\$17,091.09	\$602.45	3.7%
GS-3						
Secondary						
	30,000	75	\$2,535.93	\$2,626.69	\$90.76	3.6%
	50,000	75	\$3,622.06	\$3,713.33	\$91.27	2.5%
	30,000	100	\$2,826.96	\$2,947.72	\$120.76	4.3%
	36,000	100	\$3,152.79	\$3,273.71	\$120.92	3.8%
	60,000	150	\$5,038.18	\$5,219.70	\$181.52	3.6%

**Ohio Power Company
Typical Bill Comparison
Cycle 1 April 2021 - 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	\$7,210.41	\$7,392.95	\$182.54	2.5%
	90,000	300	\$8,413.52	\$8,775.80	\$362.28	4.3%
	120,000	300	\$10,042.69	\$10,405.74	\$363.05	3.6%
	150,000	300	\$11,671.88	\$12,035.69	\$363.81	3.1%
	200,000	300	\$14,387.15	\$14,752.23	\$365.08	2.5%
	150,000	500	\$14,000.10	\$14,603.91	\$603.81	4.3%
	180,000	500	\$15,629.26	\$16,233.83	\$604.57	3.9%
	200,000	500	\$16,715.38	\$17,320.46	\$605.08	3.6%
	325,000	500	\$23,503.61	\$24,111.86	\$608.25	2.6%
GS-3 Primary	300,000	1,000	\$27,043.58	\$27,650.93	\$607.35	2.3%
	360,000	1,000	\$30,210.06	\$30,818.88	\$608.82	2.0%
	400,000	1,000	\$32,321.05	\$32,930.85	\$609.80	1.9%
	650,000	1,000	\$45,514.74	\$46,130.66	\$615.92	1.4%
GS-4	1,500,000	5,000	\$98,439.66	\$104,925.66	\$6,486.00	6.6%
	2,500,000	5,000	\$143,837.96	\$150,347.96	\$6,510.00	4.5%
	3,250,000	5,000	\$177,886.69	\$184,414.69	\$6,528.00	3.7%
	3,000,000	10,000	\$192,337.11	\$205,309.11	\$12,972.00	6.7%
	5,000,000	10,000	\$283,133.71	\$296,153.71	\$13,020.00	4.6%
	6,500,000	10,000	\$351,231.16	\$364,287.16	\$13,056.00	3.7%
	6,000,000	20,000	\$380,132.01	\$406,076.01	\$25,944.00	6.8%
	10,000,000	20,000	\$561,725.21	\$587,765.21	\$26,040.00	4.6%
	13,000,000	20,000	\$697,920.11	\$724,032.11	\$26,112.00	3.7%
	15,000,000	50,000	\$943,516.71	\$1,008,376.71	\$64,860.00	6.9%
	25,000,000	50,000	\$1,397,499.71	\$1,462,599.71	\$65,100.00	4.7%
	32,500,000	50,000	\$1,737,986.96	\$1,803,266.96	\$65,280.00	3.8%

* Typical bills assume 100% Power Factor

Ohio Power Company
 Projected Basic Transmission Cost Rider Cost / Revenues
 April 2021 - March 2022
 (Revenue)/ Expense in \$

		Forecast Apr-21	Forecast May-21	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	Forecast Jan-22	Forecast Feb-22	Forecast Mar-22	Forecast Apr '21 - Mar '22
### NITS	\$7,961.73 per MW*Mo.	62,562,272	62,562,272	62,562,272	62,562,272	62,562,272	62,562,272	62,562,272	62,562,272	62,562,272	72,816,527	65,797,355	72,816,527	774,490,857
Transmission Enhancement Charges		5,301,336	5,301,336	5,289,111	5,289,111	5,289,111	5,289,111	5,289,111	5,289,111	5,289,111	5,408,548	5,408,548	5,408,548	63,852,091
Scheduling		74,201	76,756	85,582	94,116	93,151	80,363	77,066	77,831	89,054	634,865	560,020	575,154	2,518,159
Point to Point Revenues		(745,642)	(681,624)	(897,558)	(1,192,639)	(885,699)	(628,492)	(514,990)	(818,571)	(818,571)	(1,242,758)	(645,877)	(750,435)	(9,822,857)
Reactive Supply Charges		1,407,847	1,407,847	1,407,847	1,407,847	1,407,847	1,407,847	1,407,847	1,407,847	1,407,847	1,437,412	1,437,412	1,437,412	16,982,856
Generation Deactivation Charges		0	0	0	0	0	0	0	0	0	0	0	0	0
PJM Customer Default Costs		642	725	704	701	0	0	0	0	0	0	0	0	2,773
Total Net RTQ Costs		68,600,656	68,667,312	68,447,958	68,161,407	68,466,682	68,711,101	68,821,306	68,518,489	68,529,712	79,054,593	72,557,457	79,487,205	848,023,878
2021 - 2022 Forecasted Load (kWh)		Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr '19 - Mar '20
Residential		1,078,391,242	917,967,998	1,037,844,706	1,310,368,386	1,329,959,479	1,239,712,423	973,198,536	966,428,962	1,314,957,561	1,551,909,835	1,419,631,661	1,253,049,016	14,393,419,804
Commercial		1,064,920,511	1,079,456,974	1,195,691,576	1,293,100,466	1,298,344,692	1,290,257,216	1,158,537,473	1,072,984,111	1,184,487,435	1,256,997,922	1,154,186,129	1,118,284,304	14,167,248,608
Industrial		1,115,356,037	1,120,532,885	1,134,244,731	1,139,312,615	1,148,725,726	1,151,773,720	1,156,155,368	1,150,801,374	1,163,617,076	1,164,940,851	1,164,103,281	1,167,552,100	13,778,115,755
Other		8,929,860	8,523,944	8,115,744	8,054,363	8,399,087	9,053,662	9,886,877	10,381,118	10,920,897	10,852,251	9,723,009	9,738,624	112,579,437
Municipals		588,300	567,600	608,100	771,060	803,700	721,320	593,220	552,660	736,020	810,660	730,440	642,240	8,125,320
Total		3,268,185,950	3,127,049,401	3,376,504,856	3,751,606,889	3,787,232,684	3,691,518,341	3,298,371,465	3,201,148,225	3,674,718,989	3,985,511,519	3,748,374,520	3,549,266,285	42,459,489,124

AEP East NSPL (01/31/2019 0800 EPT)

18,242.4 MW

AEP Ohio 12 CP Allocation

0.43075

0.43075

0.43075

0.43075

0.43075

0.43075

0.43075

0.43075

0.43075

0.43075

0.43075

0.43075

Ohio Power Company
Monthly Projected Cost for Each Rate Schedule

	Forecast Apr-21	Forecast May-21	Forecast Jun-21	Forecast Jul-21	Forecast Aug-21	Forecast Sep-21	Forecast Oct-21	Forecast Nov-21	Forecast Dec-21	Forecast Jan-22	Forecast Feb-22	Forecast Mar-22	Forecast 2017/2018		
													Proposed Rates		Total
													kWh	Demand	
METERED kWh:															
Residential	1,076,577,164	916,426,503	1,036,420,839	1,308,930,157	1,328,433,202	1,238,003,220	971,146,466	964,241,506	1,312,697,376	1,549,551,287	1,417,461,448	1,251,005,508			
GS Non Demand Secondary	61,439,333	61,123,652	61,633,209	70,642,291	71,678,385	72,556,560	56,898,156	58,661,056	72,492,098	74,647,701	67,691,481	71,572,167			
GS Non Demand Primary	337,794	313,033	340,970	426,352	515,079	605,350	470,080	333,173	392,197	423,495	378,454	398,922			
GS Secondary	785,222,841	789,948,180	874,651,465	978,679,930	980,009,069	1,012,298,296	831,903,427	825,025,622	896,650,111	976,340,935	863,652,406	960,832,216			
GS Primary	412,362,994	484,486,362	505,324,542	502,590,648	502,106,578	523,623,840	489,530,712	485,199,288	472,192,707	519,717,297	433,284,827	538,601,643			
GS Sub/Tran	915,435,112	858,461,809	883,410,234	875,581,247	888,955,536	827,404,169	930,115,526	848,115,576	900,035,631	844,898,704	947,905,455	708,319,775			
Lighting	16,810,711	16,289,862	14,723,597	14,756,284	15,534,835	17,026,905	18,307,098	19,572,004	20,258,870	19,932,100	18,000,448	18,536,054			
Total	3,268,185,950	3,127,049,401	3,376,504,856	3,751,606,889	3,787,232,684	3,691,518,341	3,298,371,465	3,201,148,225	3,674,718,969	3,985,511,519	3,748,374,520	3,549,266,285			
DEMAND:															
GS Secondary	2,432,220	2,528,631	2,759,660	2,797,292	2,818,640	2,949,997	2,576,479	2,616,110	2,481,019	2,618,702	2,479,732	2,823,441			
GS Primary	935,349	1,137,904	1,148,071	1,060,677	1,053,677	1,097,126	1,038,718	1,068,919	962,112	1,085,210	937,478	1,173,623			
GS Sub/Tran	1,134,339	1,346,568	1,321,853	1,262,312	1,253,732	1,083,151	1,173,694	1,182,740	1,001,204	1,147,185	1,296,149	1,162,065			
Total	4,501,908	5,013,104	5,229,584	5,120,282	5,126,049	5,130,274	4,788,891	4,867,769	4,444,335	4,831,096	4,713,359	5,159,129			
REVENUES:															
Residential	\$ 31,527,993	\$ 26,837,917	\$ 30,351,999	\$ 38,332,543	\$ 38,903,698	\$ 36,255,420	\$ 28,440,413	\$ 28,238,198	\$ 38,442,868	\$ 45,379,229	\$ 41,510,925	\$ 36,636,197	0.0292854	\$	\$ 420,857,399
GS Non Demand Secondary	1,319,563	1,312,783	1,323,727	1,517,220	1,539,473	1,558,334	1,222,030	1,259,893	1,556,949	1,603,246	1,453,844	1,537,191	0.0214775	\$	\$ 17,204,253
GS Non Demand Primary	8,345	7,733	8,423	10,533	12,725	14,955	11,613	8,231	9,689	10,462	9,349	9,855	0.0247042	\$	\$ 121,913
GS Secondary	16,522,842	17,165,255	18,739,515	19,036,794	19,161,174	20,068,716	17,502,894	17,762,776	16,899,763	17,851,848	16,875,587	19,203,949	0.0004749	6.64	\$ 216,813,115
GS Primary	6,511,989	7,914,321	7,992,601	7,400,565	7,353,022	7,656,598	7,246,133	7,448,309	6,720,333	7,439,055	6,535,970	8,180,584	0.0004584	6.76	\$ 88,399,481
GS Sub/Tran	8,226,810	9,663,478	9,504,397	9,090,644	9,037,535	7,834,583	8,504,561	8,530,051	7,302,589	8,283,630	9,356,265	8,324,805	0.0004492	6.89	\$ 103,659,347
Lighting	7,983	7,736	6,992	7,008	7,377	8,086	8,694	9,295	9,621	9,466	8,548	8,803	0.0004749	\$	\$ 99,610
Total	\$ 64,125,525	\$ 62,909,223	\$ 67,927,655	\$ 75,397,306	\$ 76,035,004	\$ 73,396,693	\$ 62,936,338	\$ 63,256,753	\$ 70,941,831	\$ 80,576,936	\$ 75,750,469	\$ 73,901,384			
													Plus Pilot Demand	\$ 847,155,117	Monthly Pilot

Ohio Power Company
Projected Transmission Cost Recovery Rider Rate Calculations
April 2021 - March 2022

	<u>Demand</u>	<u>Demand Cost</u>	Loss Adjusted <u>kWh Energy</u>	<u>Energy Cost</u>	<u>Total Cost</u>
Forecast					
Residential	4,202.1	\$ 407,787,181	14,370,894,676	\$ 6,721,947.67	\$ 414,509,129
GS Non Demand Secondary	170.7	\$ 16,570,047	801,036,090	374,682	\$ 16,944,730
GS Non Demand Primary	1.2	\$ 117,846	4,763,361	2,228	\$ 120,074
GS Secondary	2,149.2	\$ 208,570,943	10,775,214,496	5,040,078	\$ 213,611,021
GS Primary	869.5	\$ 84,378,200	5,665,012,278	2,649,794	\$ 87,027,995
GS Sub/Tran	1,003.9	\$ 97,419,530	9,864,851,222	4,614,258	\$ 102,033,788
Lighting	0.0	\$ -	209,748,750	98,109	\$ 98,109
Pilot Secondary	1.0	\$ 97,715			\$ 97,715
Pilot Primary	8.4	\$ 812,472			\$ 812,472
Pilot Sub/Tran	131.6	\$ 12,768,846			\$ 12,768,846
Total	8,537.6	\$ 828,522,781	41,691,520,873	\$ 19,501,098	\$ 848,023,878
Reconciliation					
Residential		\$ 6,245,741		\$ 102,955	\$ 6,348,696
GS Non Demand Secondary		\$ 253,790		\$ 5,739	\$ 259,528
GS Non Demand Primary		\$ 1,805		\$ 34	\$ 1,839
GS Secondary		\$ 3,194,510		\$ 77,195	\$ 3,271,704
GS Primary		\$ 1,292,352		\$ 40,585	\$ 1,332,936
GS Sub/Tran		\$ 1,492,095		\$ 70,673	\$ 1,562,768
Lighting		\$ -		\$ 1,503	\$ 1,503
Pilot Secondary		\$ 1,497			\$ 1,497
Pilot Primary		\$ 12,444			\$ 12,444
Pilot Sub/Tran		\$ 195,570			\$ 195,570
Total		\$ 12,689,802		\$ 298,682	\$ 12,988,485
Total					
Residential		\$ 414,032,922		\$ 6,824,902	\$ 420,857,824
GS Non Demand Secondary		\$ 16,823,837		\$ 380,421	\$ 17,204,258
GS Non Demand Primary		\$ 119,650		\$ 2,262	\$ 121,913
GS Secondary		\$ 211,765,453		\$ 5,117,273	\$ 216,882,725
GS Primary		\$ 85,670,552		\$ 2,690,379	\$ 88,360,931
GS Sub/Tran		\$ 98,911,625		\$ 4,684,931	\$ 103,596,556
Lighting		\$ -		\$ 99,612	\$ 99,612
Pilot Secondary		\$ 99,212			\$ 99,212
Pilot Primary		\$ 824,916			\$ 824,916
Pilot Sub/Tran		\$ 12,964,416			\$ 12,964,416
Total		\$ 841,212,583		\$ 19,799,780	\$ 861,012,363

Ohio Power Company
Projected Basic Transmission Cost Rider Rate Calculations
April 2021 - March 2022

	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	\$ 414,032,922	\$ 6,824,902	-	14,370,894,676	\$	0.0292854
GS Non Demand Secondary	\$ 16,823,837	\$ 380,421	-	801,036,090	\$	0.0214775
GS Non Demand Primary	\$ 119,650	\$ 2,262	-	4,934,900	\$	0.0247042
GS Secondary	\$ 211,765,453	\$ 5,117,273	31,881,923	10,775,214,496	\$ 6.64	\$ 0.0004749
GS Primary	\$ 85,670,552	\$ 2,690,379	12,678,864	5,869,021,439	\$ 6.76	\$ 0.0004584
GS Sub/Tran	\$ 98,911,625	\$ 4,684,931	14,364,993	10,428,638,774	\$ 6.89	\$ 0.0004492
Lighting	\$ -	\$ 99,612	-	209,748,750	\$	0.0004749
Pilot Secondary	\$ 99,212					
Pilot Primary	\$ 824,916					
Pilot Sub/Tran	\$ 12,964,416					
Total	\$ 841,212,583	\$ 19,799,780	58,925,780	42,459,489,124		
Pilot 1CP	Demand Cost		1CP	Loss Factor		
Secondary	\$ 841,212,583		102,450,668	1.0932	\$ 8.98	
Primary				1.0552	\$ 8.66	
Sub/Tran				1.0341	\$ 8.49	
Proposed Pilot 700MW Cap	Exceeded By:	80.6			Adjusted Rates	
GS Secondary	\$ 211,724,634				\$ 6.64	
GS Primary	\$ 85,240,379				\$ 6.72	
GS Sub/Tran	\$ 92,725,669				\$ 6.45	
Rate Increase to Collect Exceeded Cap Cost						
Secondary	\$ 40,819		12,083	1.0932	\$ 3.69	
Primary	\$ 430,173		100,466	1.0552	\$ 4.52	
Sub/Tran	\$ 6,185,956		1,578,927	1.0341	\$ 4.05	
	\$ 6,656,948					
Pilot 1CP	Demand Cost					
Secondary	\$ 847,869,531		12,083		\$ 12.67	
Primary			100,466		\$ 13.18	
Sub/Tran			1,578,927		\$ 12.54	

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in

Case No(s). 21-0053-EL-RDR

Summary: Correspondence -Ohio Power Company Submits Its Basic Transmission Cost Rider (BTCR)2021 Updated Rate electronically filed by Mr. Steven T Nourse on behalf of Ohio Power Company