

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of Duke)
Energy Ohio, Inc., for Authority to Adjust) Case No. 19-1750-EL-UNC
its Power Forward Rider.)

In the Matter of the Application of Duke)
Energy Ohio, Inc., for Approval to Change) Case No. 19-1751-GE-AAM
Accounting Methods.)

DIRECT TESTIMONY OF

JAY P. BROWN

ON BEHALF OF

DUKE ENERGY OHIO, INC.

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Attachment:

JPB-1 - Estimated Revenue Requirements

I. INTRODUCTION

1 Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

2 A. My name is Jay P. Brown, and my business address is 139 East Fourth Street,
3 Cincinnati, Ohio, 45202.

4 Q. BY WHOM ARE YOU EMPLOYED AND IN WHAT CAPACITY?

5 A. I am employed by Duke Energy Business Services LLC (DEBS), as Lead Rates &
6 Regulatory Strategy Analyst. DEBS provides various administrative and other
7 services to Duke Energy Ohio, Inc., (Duke Energy Ohio or Company) and other
8 affiliated companies of Duke Energy Corporation (Duke Energy).

9 Q. PLEASE BRIEFLY DESCRIBE YOUR EDUCATION AND
10 PROFESSIONAL EXPERIENCE.

11 A. I earned a Bachelor of Science degree in Business Administration with a major in
12 Business: Finance, Investment and Banking from University of Wisconsin -
13 Madison. I began my career with The Alexander Companies, a real estate
14 development company, as an Assistant Project Manager in January 2002
15 managing and developing real estate. Subsequently, in December 2003 I began
16 working for Dell Inc., mainly as a Financial Analyst in Worldwide Procurement
17 Finance, accounting for and reporting on supplier rebates. In January 2008, I
18 began working for Bigfoot Networks, a technology start-up. I was in charge of
19 developing distribution, online and retail channels for a new networking product.
20 Beginning in April 2009, I also served as a Financial Advisor for Edward Jones.
21 In June 2011, I began working as a contractor for Progress Energy and since
22 February 2012, I have been employed by, and worked for, companies under what

1 is now Duke Energy. The roles I've held include Sr. Business Finance Analyst
2 and in December 2012, I took the position of Manager Nuclear Station Finance. I
3 assumed my current role as Lead Rates & Regulatory Strategy Analyst in August
4 of 2018.

5 **Q. PLEASE DESCRIBE YOUR DUTIES AS LEAD RATES &**
6 **REGULATORY STRATEGY ANALYST.**

7 A. I am responsible for preparing financial and accounting data used in retail rate
8 filings and various other rate recovery mechanisms for Duke Energy Ohio and
9 Duke Energy Kentucky, Inc.

10 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC**
11 **UTILITIES COMMISSION OF OHIO?**

12 A. Yes, I have filed written direct testimony in the Company's Rider CEP
13 application in Case No. 19-0791-GA-ALT.

14 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THESE**
15 **PROCEEDINGS?**

16 A. The purpose of my testimony is to provide an overview of the estimated revenue
17 requirement being proposed for recovery through the PowerForward Rider (Rider
18 PF) in this application. I also support the Company's request for deferral authority
19 in this case to defer income statement recognition of certain Operation &
20 Maintenance (O&M) expenses.

II. DISCUSSION

1 **Q. PLEASE EXPLAIN HOW THE COSTS ASSOCIATED WITH THE**
2 **COMPANY'S CUSTOMER CONNECT PROGRAM WILL BE**
3 **INCLUDED IN RIDER PF.**

4 A. As outlined in the direct testimony of Company witness Retha Hunsicker, the
5 estimated cost to Duke Energy Ohio's electric customers for the implementation
6 of the Customer Connect Program is approximately \$79 million comprised of
7 approximately \$40.2 million in capital costs and \$38.4 million in O&M expenses.
8 As discussed later in my testimony, the Company is requesting deferral authority
9 of O&M expenses incurred since January 1, 2018. A more detailed breakdown of
10 these costs is shown in Attachment RH-1. As shown on Attachment JPB-1, Rider
11 PF will include a return on net plant in service, net of associated retirements,
12 accumulated depreciation, and accumulated deferred income taxes. It will also
13 include recovery of O&M expenses incurred since January 1, 2018, ongoing
14 depreciation expense and property tax expense associated with the Customer
15 Connect program. The Company is proposing to amortize the O&M expenses
16 incurred after January 1, 2018 over a five-year period.

17 **Q. PLEASE EXPLAIN HOW THE COSTS ASSOCIATED WITH THE**
18 **COMPANY'S LAND MOBILE RADIO PROGRAM WILL BE INCLUDED**
19 **IN RIDER PF.**

20 A. As outlined in the direct testimony of Company witness Randy Turner, the LMR
21 project is approximately \$16.2 million in total electric and natural gas costs of
22 which \$11.8 million is related to electric, comprised of approximately \$11.3

1 million in capital costs and approximately \$519,000 in O&M expenses. As shown
2 on Attachment JPB-1, Rider PF will include a return on net plant in service, net of
3 associated retirements, accumulated depreciation, and accumulated deferred
4 income taxes. It will also include recovery of depreciation expense, property tax
5 expense and O&M expenses associated with the LMR investment. The Company
6 is proposing to amortize the O&M expenses over a five-year period.

7 **Q. PLEASE EXPLAIN HOW THE COSTS ASSOCIATED WITH THE**
8 **COMPANY'S SMART CITIES INFRASTRUCTURE ACCELERATION**
9 **PROGRAM WILL BE INCLUDED IN RIDER PF.**

10 A. As outlined in the direct testimony of Company witness Timothy Duff, the
11 estimated cost to Duke Energy Ohio's electric customers for the implementation
12 of the Smart Cities Program is \$5 million in capital costs. As shown on
13 Attachment JPB-1, Rider PF will include a return on net plant in service, net of
14 associated retirements, accumulated depreciation, and accumulated deferred
15 income taxes. It will also include recovery of depreciation expense and property
16 tax associated with the Smart Cities Program.

17 **Q. PLEASE EXPLAIN HOW THE COSTS ASSOCIATED WITH THE**
18 **COMPANY'S ELECTRIC VEHICLE PROGRAM WILL BE INCLUDED**
19 **IN RIDER PF.**

20 A. As outlined in the direct testimony of Company witness Lang Reynolds the
21 estimated cost to Duke Energy Ohio's electric customers for the implementation
22 of the Electric Vehicle (EV) Program is approximately \$15.8 million (\$11.3
23 million in capital costs and \$4.5 million in O&M expenses). As shown on

1 Attachment JPB-1, Rider PF will include a return on net plant in service, net of
2 associated retirements, accumulated depreciation, and accumulated deferred
3 income taxes. It will also include recovery of depreciation expense, property tax
4 expense and O&M expenses associated with the EV Program. The Company is
5 proposing to amortize the O&M expenses over a five-year period.

6 **Q. ARE EXPENSES ASSOCIATED WITH RIDER PF INCLUDED IN**
7 **CURRENT BASE RATES?**

8 A. No. All expenditures that the Company is proposing for recovery in Rider PF are
9 incremental to base rates and are not being recovered through current riders.

10 **Q. WHAT RATE OF RETURN DO YOU PROPOSE TO USE FOR THE**
11 **RIDER?**

12 A. The Company will use its current Commission-approved authorized rate of return.
13 As approved in the most recent electric distribution base rate case, the Company
14 will use a 9.84 percent rate of return on equity.

15 **Q. HAS THE PUBLIC UTILITIES COMMISSION OF OHIO GRANTED**
16 **THE COMPANY RECOVERY OF THESE COSTS THROUGH RIDER**
17 **PF?**

18 A. The Company is proposing that these costs be recovered through Rider PF as “the
19 third component of Rider PF,” as outlined in the Stipulation and Recommendation
20 in Cases No. 17-32-EL-AIR, *et al.* “for the recovery of cost related to an
21 infrastructure modernization plan, which will be filed in a separate proceeding
22 and subject to hearing.”

1 **Q. WHAT DEFERRAL AUTHORITY RELATED TO ELECTRIC COSTS IS**
2 **THE COMPANY REQUESTING IN THIS CASE?**

3 A. The Company is requesting deferral authority to change its accounting procedures
4 and permit the Company to defer the incremental electric O&M expenses incurred
5 since January 1, 2018 associated with implementation of the four projects being
6 requested for cost recovery in this case. Duke Energy Ohio proposes to record all
7 costs as a regulatory asset on its balance sheet in Account 182.3, Other
8 Regulatory Assets. The deferred costs would then be recovered through Rider PF
9 as I have explained previously in my testimony and outlined on Attachment JPB-
10 1.

11 **Q. WHAT DEFERRAL AUTHORITY RELATED TO NATURAL GAS**
12 **COSTS IS THE COMPANY REQUESTING IN THIS CASE?**

13 A. The Company is requesting deferral authority to change its accounting procedures
14 and permit the Company to defer the incremental natural gas O&M expenses
15 incurred since January 1, 2018 associated with implementation of the CIS and
16 LMR projects being requested for cost recovery in this case. These projects are
17 common to both electric and gas operations and therefore the implementation
18 cannot be separated. Duke Energy Ohio proposes to record all costs as a
19 regulatory asset on its balance sheet in Account 182.3, Other Regulatory Assets.
20 The Company would seek recovery of these costs in its next natural gas base rate
21 case.

1 **Q. HOW WILL DUKE ENERGY OHIO UPDATE ITS RIDER PF GOING**
2 **FORWARD?**

3 A. Duke Energy Ohio will file an application for any future adjustments to its Rider
4 PF to account for changes and additional programs offered under its Infrastructure
5 Modernization Plan through the term of the Company's recently approved ESP. In
6 addition, as Rider PF has multiple components, to the extent any of the other two
7 components are implicated by either a Commission directive (Component 1) or
8 for recovery of the Company's Advanced Metering Infrastructure (Component 2)
9 the Company will file a separate application to adjust Rider PF.

III. EXPLANATION OF ATTACHMENTS AND SCHEDULES

10 **Q. PLEASE EXPLAIN ATTACHMENT JPB - 1.**

11 A. Attachment JPB-1 shows the projected revenue requirement associated with the
12 investments being proposed for Rider PF recovery in this application. The
13 Company is proposing that these costs would be included in the Company's first
14 Rider PF filing in March 2021 for costs incurred through December 31, 2020. It
15 includes a return on rate base and recovery of the related operating expenses.

IV. CONCLUSION

16 **Q. IS ATTACHMENT JPB-1 TRUE AND ACCURATE TO THE BEST OF**
17 **YOUR KNOWLEDGE?**

18 A. Yes.

19 **Q. WAS ATTACHMENT JPB-1 PREPARED BY YOU OR UNDER YOUR**
20 **DIRECTION AND CONTROL?**

21 A. Yes.

1 Q. **DOES THIS CONCLUDE YOUR PRE-FILED DIRECT TESTIMONY?**

2 A. Yes.

Duke Energy Ohio
Estimated Revenue Requirement for Rider PF

Line	Description	2020	2021	2022	2023	2024	2025
1	Gross Distribution Plant ^(a)	\$10,493,651	\$28,587,474	\$67,817,316	\$67,817,316	\$67,817,316	\$67,817,316
2	Accumulated Depreciation	<u>(1,826,732)</u>	<u>(4,269,668)</u>	<u>(9,005,842)</u>	<u>(15,251,076)</u>	<u>(21,421,558)</u>	<u>(26,372,101)</u>
3	Net Distribution Plant in Service	<u>\$8,666,919</u>	<u>\$24,317,806</u>	<u>\$58,811,474</u>	<u>\$52,566,240</u>	<u>\$46,395,758</u>	<u>\$41,445,215</u>
4	Accum Def Income Taxes on Distr Plant	<u>(\$287,748)</u>	<u>(\$492,363)</u>	<u>(\$808,574)</u>	<u>(\$1,092,683)</u>	<u>(\$1,098,803)</u>	<u>(\$1,114,400)</u>
5	Distribution Rate Base for Rider PF	<u>\$8,379,171</u>	<u>\$23,825,443</u>	<u>\$58,002,900</u>	<u>\$51,473,557</u>	<u>\$45,296,955</u>	<u>\$40,330,815</u>
6	Return on Rate Base (Pre-Tax %) ^(b)	8.97%	8.97%	8.97%	8.97%	8.97%	8.97%
7	Return on Rate Base (Pre-Tax)	\$751,276	\$2,136,189	\$5,200,540	\$4,615,119	\$4,061,325	\$3,616,061
8	Amortization of Deferred O&M ^(c)	\$ 1,795,786	\$ 2,805,967	\$ 4,122,324	\$ 7,676,804	\$ 8,267,812	\$ 6,472,025
9	Depreciation Expense	1,328,055	2,442,936	4,736,174	6,245,234	6,170,482	4,950,543
10	Annualized Property Tax Expense ^(d)	<u>164,671</u>	<u>462,038</u>	<u>1,117,418</u>	<u>998,759</u>	<u>881,519</u>	<u>787,459</u>
11	Revenue Requirement Before CAT (Lines 7 - 10)	<u>\$4,039,790</u>	<u>\$7,847,131</u>	<u>\$15,176,456</u>	<u>\$19,535,916</u>	<u>\$19,381,138</u>	<u>\$15,826,089</u>
12	Commercial Activities Tax	\$10,531	\$20,456	\$39,562	\$50,926	\$50,522	\$41,255
13	Total Rider PF Revenue Requirement	<u>\$4,050,320</u>	<u>\$7,867,586</u>	<u>\$15,216,017</u>	<u>\$19,586,841</u>	<u>\$19,431,660</u>	<u>\$15,867,344</u>
14	Annual Base Distribution Revenue	<u>\$452,055,948</u>	<u>\$452,055,948</u>	<u>\$452,055,948</u>	<u>\$452,055,948</u>	<u>\$452,055,948</u>	<u>\$452,055,948</u>
15	DEO Percentage of Base Distribution Revenue ^(e)	<u>0.896%</u>	<u>1.740%</u>	<u>3.366%</u>	<u>4.333%</u>	<u>4.299%</u>	<u>3.510%</u>

Assumptions:

- (a) Capital costs are assumed in service in the year spent
- (b) Weighted-Average Cost of Capital from Schedule D-1 in Case No. 17-032-EL-AIR, with ROE at 9.84%, grossed up for 21% FIT rate.
- (c) O&M amortized over 5 years and if deferrals are approved will include carrying costs at the long term debt rate of 5.16% approved in Case No. 17-032-EL-AIR.
- (d) Assumes 1.9% of net plant.

Estimated Revenue Requirement for Rider PF (Assumptions and Details of Calculations)

Property, Plant and Equipment (Capital)

Ute Energy Ohio
Estimated Revenue Requirement for Rider PE (Assumptions and Details of Calculations)

Project	Property, Plant and Equipment (Capital)					2024	2025
	2019	2020	2021	2022	2023		
IS Program	\$4,482,485	\$1,511,366	\$87,200	\$392,400	\$0	\$0	\$0
Cumulative Gross Plant	4,482,485	5,993,851	6,087,051	6,473,451	6,473,451	6,473,451	6,473,451
Depreciation Expense	448,248	\$1,047,634	\$1,207,490	\$1,255,450	\$1,294,690	\$1,249,938	\$0
Accumulated Depreciation	(\$448,248)	(\$1,495,882)	(\$2,703,372)	(\$3,958,822)	(\$5,153,513)	(\$6,473,451)	(\$6,473,451)
Accumulated Deferred Income Tax	(\$94,132)	(\$238,829)	(\$271,217)	(\$199,291)	(\$102,295)	\$45,178	\$15,294
Project	2019	2020	2021	2022	2023	2024	2025
Annual Spend (O&M)							
Initial O&M	\$8,851,315	\$4,773,815	\$4,003,990	\$16,058,861	\$2,595,869	\$0	\$0
Amortize O&M over 5 yrs After Spend	\$1,770,263.06	\$1,770,263.06	\$1,770,263.06	\$1,770,263.06	\$1,770,263.06	\$1,770,263.06	\$1,770,263.06
2019 O&M	954,763	954,763	954,763	954,763	954,763	954,763	954,763
2020 O&M	800,398	800,398	800,398	800,398	800,398	800,398	800,398
2021 O&M	3,211,772	3,211,772	3,211,772	3,211,772	3,211,772	3,211,772	3,211,772
2022 O&M							
2023 O&M							
Amortization of O&M for Rider	\$0	\$1,770,263	\$2,725,026	\$3,525,424	\$6,737,196	\$7,256,370	\$5,486,107
Book Life	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Tax Life							
5 Yr MACRS	Cap Additions	2019 Spend	2020 Spend	2021 Spend	2022 Spend	2023 Spend	
2019	20.00%	\$4,482,485	\$896,497	\$302,273	\$17,440	\$86,497	Total Tax Due
2020	32.00%	1,511,366	1,434,395	483,637	27,904	1,736,668	Gross Plant
2021	19.20%	87,200	860,637	516,382	125,568	1,361,714	Accumulated Depreciation
2022	11.52%	392,400	290,182	174,109	16,742	912,949	Deferred Tax
2023	11.52%	-	516,382	258,191	10,045	1,255,450	ADT
2024	5.76%	-	-	87,055	45,204	6,473,451	
2025	#REF!	-	-	5,023	45,204	5,253,513	
2026	#REF!	-	-	-	22,602	5,482,485	
2027	#REF!	-	-	-	-	1,495,882	
2028	#REF!	-	-	-	-	6,081,051	
2029	-	-	-	-	-	2,703,372	
2030	-	-	-	-	-	3,238,229	
2031	-	-	-	-	-	32,387	
2032	-	-	-	-	-	271,217	
2033	-	-	-	-	-	199,291	
2034	-	-	-	-	-	102,295	
2035	-	-	-	-	-	(45,473)	
2036	-	-	-	-	-	29,884	
2037	-	-	-	-	-	#REF!	
2038	-	-	-	-	-	#REF!	
2039	100.0%	#REF!	\$4,482,485	\$1,511,366	\$87,200	\$0	\$6,473,451

Table 1: Estimated Revenue Requirement for Rider PF (Assumptions and Details of Calculations)

**Duke Energy Ohio
Estimated Revenue Requirement for Rider P/F (Assumptions and Details of Calculations)**

Project	Property, Plant and Equipment (Capital)					\$0	\$0	\$0	\$0	\$0
	2019	2020	2021	2022	2023					
Smart Cities Program	\$0	\$0	\$3,000,000	\$2,000,000	\$0					
Cumulative Gross Plant	-	-	3,000,000	5,000,000	5,000,000					
Depreciation Expense	-	\$0	\$100,000	\$266,667	\$333,333	\$333,333	\$333,333	\$333,333	\$333,333	\$333,333
Accumulated Depreciation	\$0	\$0	(\$100,000)	(\$366,667)	(\$700,000)	(\$1,033,333)	(\$1,366,667)	(\$1,366,667)	(\$1,366,667)	(\$1,366,667)
Accumulated Deferred Income Tax	\$0	\$0	(\$10,500)	(\$35,350)	(\$59,115)	(\$73,535)	(\$73,535)	(\$73,535)	(\$73,535)	(\$73,535)
Project	2019	2020	2021	2022	2023	2024	2025	Total	Gross Plant	Accumulated Depreciation
Annual O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Amortize O&M over 5 yrs After Spend										
2019 O&M										
2020 O&M										
2021 O&M										
Moritization of O&M for Rider	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Book Life										
Tax Life										
15.00	15.00	15.00								
15 Yr MACRS	Cap Additions	2019 Spend	2020 Spend	2021 Spend	2022 Spend	2023 Spend	Total	Book Depreciation	Gross Plant	Accumulated Depreciation
2019	5.00%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2020	9.50%	-	-	-	\$150,000	-	-	150,000	100,000	-
2021	8.55%	3,000,000	-	-	285,000	\$100,000	385,000	265,667	300,000	10,500
2022	7.70%	2,000,000	-	-	256,500	190,000	446,500	5,000,000	366,667	35,000
2023	6.93%	-	-	-	231,000	171,000	402,000	333,333	700,000	24,850
2024	6.23%	-	-	-	154,000	-	361,900	333,333	1,033,333	23,765
2025	5.90%	#REF!	-	-	186,900	138,600	325,500	#REF!	1,366,667	59,115
2026	5.90%	#REF!	-	-	177,000	124,600	301,600	#REF!	#REF!	14,420
2027	5.91%	#REF!	-	-	177,000	118,000	295,000	#REF!	#REF!	73,335
2028	5.90%	#REF!	-	-	177,300	118,000	295,300	#REF!	#REF!	79,334
2029	5.91%	-	-	-	177,000	118,200	295,200	#REF!	#REF!	#REF!
2030	5.90%	-	-	-	177,300	118,000	295,300	#REF!	#REF!	#REF!
2031	5.91%	-	-	-	177,300	118,000	295,300	#REF!	#REF!	#REF!
2032	5.90%	-	-	-	177,000	118,200	295,200	#REF!	#REF!	#REF!
2033	5.91%	-	-	-	177,300	118,000	295,300	#REF!	#REF!	#REF!
2034	2.95%	-	-	-	177,000	118,200	295,200	#REF!	#REF!	#REF!
100.0%	#REF!	-	-	-	\$2,734,200	\$1,704,800	\$0	\$0	\$4,439,000	#REF!

**Uke Energy Ohio
Estimated Revenue Requirement for Rider PF (Assumptions and Details of Calculations)**

Project		Property, Plant and Equipment (Capital)										
		2019	2020	2021	2022	2023	2024	2025				
V Program	\$0	\$2,100,000	\$4,600,000	\$4,600,000	\$4,600,000	\$0	\$0	\$0	\$0			
Cumulative Gross Plant	-	2,100,000	6,700,000	11,300,000	11,300,000	11,300,000	11,300,000	11,300,000	11,300,000			
Depreciation Expense	-	\$150,000	\$628,571	\$1,285,714	\$1,614,286	\$1,614,286	\$1,614,286	\$1,614,286	\$1,614,286			
Accumulated Depreciation	\$0	(\$150,000)	(\$778,571)	(\$2,064,286)	(\$3,678,571)	(\$5,292,857)	(\$6,907,143)					
Accumulated Deferred Income Tax	\$0	(\$31,519)	(\$145,561)	(\$327,307)	(\$448,915)	(\$438,903)	(\$346,157)					
Project		Annual Spend (O&M)										
		2019	2020	2021	2022	2023	2024	2025				
Annual O&M	\$0	\$0	\$2,465,293	\$1,713,543	\$359,167	\$0	\$0	\$0	\$0			
Amortize O&M over 5 yrs After Spend												
2019 O&M	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
2020 O&M												
2021 O&M												
2022 O&M												
2023 O&M												
Amortization of O&M for Rider	\$0	\$0	\$0	\$493,059	\$835,767	\$907,600	\$907,600	\$907,600	\$907,600			
Book Life												
Tax Life												
	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00			
7 Yr MACRS		Tax Depreciation on										
		2019 Spend	2020 Spend	2021 Spend	2022 Spend	2023 Spend	Total Tax Dedep	Book Depreciation	Gross Plant	Accumulated Depreciation	Deferred Tax	ADIT
2019	14.29%	\$0	\$0	\$300,090	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
2020	24.49%	2,100,000	-	514,290	\$657,340	300,090	150,000	2,100,000	150,000	31,519	31,519	
2021	17.49%	4,600,000	-	1,126,540	\$657,340	1,171,630	628,571	6,700,000	778,571	114,042	145,610	
2022	12.49%	4,600,000	-	262,290	804,540	1,285,714	1,285,714	11,300,000	2,064,286	181,746	327,307	
2023	8.93%	-	-	187,530	574,540	2,193,710	1,614,286	11,300,000	2,927,857	121,608	448,315	
2024	8.92%	-	-	187,530	574,540	1,566,610	1,614,286	11,300,000	5,292,857	(10,012)	438,903	
2025	8.93%	-	-	187,530	410,780	1,172,640	1,614,286	11,300,000	6,907,143	(92,746)	346,157	
2026	4.46%	#REF!	#REF!	93,660	410,320	1,008,630	#REF!	#REF!	#REF!	#REF!	#REF!	
2027	0.00%	#REF!	#REF!	-	410,320	914,760	#REF!	#REF!	#REF!	#REF!	#REF!	
2028	0.00%	#REF!	#REF!	-	205,160	410,780	#REF!	#REF!	615,940	#REF!	#REF!	
2029	0.00%	-	-	-	-	205,160	-	#REF!	#REF!	#REF!	#REF!	
2030	0.00%	-	-	-	-	-	-	#REF!	#REF!	#REF!	#REF!	
2031	0.00%	-	-	-	-	-	-	#REF!	#REF!	#REF!	#REF!	
2032	0.00%	-	-	-	-	-	-	#REF!	#REF!	#REF!	#REF!	
2033	0.00%	-	-	-	-	-	-	#REF!	#REF!	#REF!	#REF!	
2034	0.00%	#REF!	#REF!	-	-	-	-	#REF!	#REF!	#REF!	#REF!	
	100.0%	#REF!	#REF!	\$0	\$2,100,000	\$4,600,000	\$0	\$11,300,000	#REF!			

Duke Energy Ohio
Estimated Revenue Requirement for Rider PF

	3 Yr MACRS	5 Yr MACRS	7 Yr MACRS	10 Yr MACRS	15 Yr MACRS	20 Yr MACRS
1	33.33%	20.00%	14.29%	10.00%	5.00%	3.750%
2	44.45%	32.00%	24.49%	18.00%	9.50%	7.219%
3	14.81%	19.20%	17.49%	14.40%	8.55%	6.677%
4	7.41%	11.52%	12.49%	11.52%	7.70%	6.177%
5		11.52%	8.93%	9.22%	6.93%	5.713%
6		5.76%	8.92%	7.37%	6.23%	5.285%
7			8.93%	6.55%	5.90%	4.888%
8			4.46%	6.55%	5.90%	4.522%
9				6.56%	5.91%	4.462%
10				6.55%	5.90%	4.461%
11			3.28%	5.91%	4.462%	
12				5.90%	4.461%	
13				5.91%	4.462%	
14				5.90%	4.461%	
15				5.91%	4.462%	
16				2.95%	4.461%	
17					4.462%	
18					4.461%	
19					4.462%	
20					4.461%	
21					2.231%	
					100.000%	100.000%
						100.000%

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Case No(s). 19-1750-EL-UNC, 19-1751-GE-AAM

Summary: Testimony Direct Testimony of Jay P. Brown electronically filed by Mrs. Debbie L Gates on behalf of Duke Energy Ohio Inc. and D'Ascenzo, Rocco O. Mr. and Kingery, Jeanne W and Watts, Elizabeth H and Vaysman, Larisa