

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of Duke )  
Energy Ohio, Inc., for Recovery of )  
Program Costs, Lost Distribution Revenue ) Case No. 21-482-EL-RDR  
and Performance Incentives Related to its )  
Energy Efficiency and Demand Response )  
Programs. )

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**DIRECT TESTIMONY OF  
JAMES E. ZIOLKOWSKI  
ON BEHALF OF  
DUKE ENERGY OHIO, INC.**

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May 14, 2021

**TABLE OF CONTENTS**

	<b><u>PAGE</u></b>
<b>I. INTRODUCTION .....</b>	<b>1</b>
<b>II. CALCULATION OF EE-PDR REVENUE REQUIREMENT.....</b>	<b>6</b>
<b>III. RIDER EE-PDR RECONCILIATION RATE CALCULATION .....</b>	<b>10</b>
<b>IV. CONCLUSION.....</b>	<b>13</b>

**Attachments**

- Attachment JEZ-1 – Work papers showing the calculation of Rider EE-PDR rates
- Attachment JEZ-2 – Proposed Rider EE-PDR tariff sheet – redlined
- Attachment JEZ-3 – Proposed Rider EE-PDR tariff sheet – clean

**I. INTRODUCTION**

1 **Q. PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.**

2 A. My name is James E. Ziolkowski, and my business address is 139 East Fourth  
3 Street, Cincinnati, Ohio 45202.

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

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

9 **Q. PLEASE SUMMARIZE YOUR EDUCATION AND PROFESSIONAL**  
10 **EXPERIENCE.**

11 A. I received a Bachelor of Science degree in Mechanical Engineering from the U.S.  
12 Naval Academy in 1979 and a Master of Business Administration degree from  
13 Miami University in 1988. I am also a licensed Professional Engineer in the state  
14 of Ohio.

15 After graduating from the Naval Academy, I attended the Naval Nuclear  
16 Power School and other follow-on schools. I served as a nuclear-trained officer on  
17 various ships in the U.S. Navy through 1986. From 1988 through 1990, I worked  
18 for Mobil Oil Corporation as a Marine Marketing Representative in the New York  
19 City area.

20 I joined The Cincinnati Gas & Electric Company (CG&E) in 1990 as a  
21 Product Applications Engineer, in which capacity I designed and managed some of  
22 CG&E's demand side management programs, including Energy Audits and

**JAMES E. ZIOLKOWSKI DIRECT**

1 Interruptible Rates. From 1996 until 1998, I was an Account Engineer and worked  
2 with large customers to resolve various service-related issues, particularly in the  
3 areas of billing, metering, and demand management. In 1998, I joined Cinergy  
4 Services, Inc.'s, Rate Department, where I focused on rate design and tariff  
5 administration. I was significantly involved with the initial unbundling and design  
6 of CG&E's retail electric rates. I was appointed to my current position in January  
7 2014.

8 **Q. PLEASE DESCRIBE YOUR DUTIES AS DIRECTOR, RATES AND**  
9 **REGULATORY PLANNING.**

10 A. I am responsible for various rider filings, tariff administration, billing, and revenue  
11 reporting issues in Ohio and Kentucky. I also prepare filings to modify charges and  
12 terms in retail tariffs of Duke Energy Ohio and Duke Energy Kentucky, Inc., (Duke  
13 Energy Kentucky) and develop rates for new services. During rate cases, I prepare  
14 cost of service studies and help with the design of the new base rates. I assisted in  
15 the development of the retail electric tariffs in the Company's Case No. 03-93-EL-  
16 ATA, which established the Company's market-based standard service offer.  
17 Additionally, I frequently work with customer contact and billing personnel of  
18 Duke Energy Ohio and Duke Energy Kentucky to answer rate-related questions and  
19 to apply the retail tariffs to specific situations. Occasionally, I meet with customers  
20 and Company representatives to explain rates or provide rate training. I also prepare  
21 reports that are required by regulatory authorities.



1 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE PUBLIC UTILITIES**  
2 **COMMISSION OF OHIO?**

3 A. Yes. Recently, I provided testimony before the Public Utilities Commission of Ohio  
4 (Commission) in support of Duke Energy Ohio's electric distribution base rate case  
5 and Electric Security Plan, filed under Case Number 17-0032-EL-AIR and Case No.  
6 17-1263-EL-SSO, respectively. I was also a witness in the Company's Electric  
7 Security Plan case, filed under Case Number 14-841-EL-SSO and the Energy  
8 Efficiency cases, filed under Case Number 16-576-EL-POR, 13-753-EL-RDR, Case  
9 No. 14-457-EL-RDR, Case No. 15-534-EL-RDR, Case No. 16-664-EL-RDR, Case  
10 No. 17-781-EL-RDR, Case No. 18-397-EL-RDR, Case No. 19-622-EL-RDR, and  
11 Case No. 20-613-EL-RDR.

12 **Q. WHAT ARE THE ATTACHMENTS AND SCHEDULES FOR WHICH YOU**  
13 **ARE RESPONSIBLE?**

14 A. I am sponsoring the following items:  
15 • Attachment JEZ-1 – Work papers showing the calculation of Rider EE-PDRR  
16 rates  
17 • Attachment JEZ-2 – Proposed Rider EE-PDRR tariff sheet – redlined  
18 • Attachment JEZ-3 – Proposed Rider EE-PDRR tariff sheet – clean

19 **Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY IN THIS**  
20 **PROCEEDING?**

21 A. The purpose of my testimony in this proceeding is to: (i) describe the calculation of  
22 the Rider EE-PDRR rate update, including the true-up for the year 2020 and clarify  
23 assumptions underlying the calculations and (ii) discuss the distribution decoupling

1 mechanism, Rider DDR, as approved in Case No. 11-5905-EL-RDR and its effect on  
2 lost margin recovery. The Company’s electric tariff contains two shared savings-  
3 related sheets. Rider EE-PDR describes the calculations of the shared savings  
4 recovery charges, and Rider EE-PDRR contains the results of the calculations, i.e., the  
5 retail recovery rates.

6 **Q. WHAT IS THE PURPOSE OF RIDER EE-PDR AND EE-PDRR?**

7 A. Rider EE-PDR is the mechanism through which the revenue requirement and its  
8 true-up is recovered from residential and non-residential customers. Rider EE-  
9 PDRR contains the results of the calculations, i.e., the retail recovery rates.

10 **Q. WHAT TIME PERIOD DOES THIS TRUE-UP COVER?**

11 A. This true-up analysis addresses the calendar year 2020. As part of the true-up  
12 calculation, the reconciliation balances (i.e., actual costs including lost revenues,  
13 and actual EE-PDRR revenues) from 2012, 2013, 2014, 2015, 2016, 2017, 2018,  
14 and 2019, as filed in Case No. 13-753-EL-RDR, Case No. 14-457-EL-RDR, Case  
15 No. 15-534-EL-RDR, Case No. 16-664-EL-RDR, Case No. 17-781-EL-RDR, Case  
16 No. 18-397-EL-RDR, and the pending Case Nos. 19-622-EL-RDR and 20-613-EL-  
17 RDR respectively, are carried forward and included in the revenue requirement.  
18 This true-up constitutes the Company’s “application for a final reconciliation of  
19 [its] EE/PDR cost recovery rider,” which the Company was instructed to file by the  
20 Commission.<sup>1</sup> Thus, as detailed further below and in Attachment JEZ-1, it includes  
21 all of the Company’s claimed cost recovery that is associated with programs

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<sup>1</sup> *In the Matter of the Application of Duke Energy Ohio, Inc. for Approval of its 2017-2019 Energy Efficiency and Peak Demand Reduction Program Portfolio Plan*, Case No. 16-576-EL-POR, Finding and Order, p. 4 (November 18, 2020).

1 conducted through December 31, 2020.

2 **Q. DO YOUR CALCULATIONS TAKE INTO ACCOUNT THE \$7.8 MILLION**  
3 **PRE-TAX SHARED SAVINGS CAP IMPOSED BY THE COMMISSION IN**  
4 **ITS NOVEMBER 18, 2020 THIRD ENTRY ON REHEARING, TO WHICH**  
5 **THE COMPANY’S REHEARING CHALLENGE IS PENDING ?**

6 A. No, my calculations do not take into account the shared savings cap imposed by the  
7 Commission, which would require that shared savings not exceed \$7.8 million (pre-  
8 tax).<sup>2</sup> The total amount of shared savings in this Application is \$10,277,360 (pre-  
9 tax) which is equivalent to \$8,000,000 after-tax. The Company’s application for  
10 rehearing challenging the \$7.8 million pre-tax shared savings cap is still pending  
11 before the Commission.<sup>3</sup> In the absence of an order on its pending rehearing  
12 application, the Company files this Application for the full stipulated amount of the  
13 \$8 million after-tax shared savings value contained in the Amended Stipulation  
14 dated January 27, 2017 in Case No. 16-576-EL-POR, in order to preserve its rights  
15 to recovery pending rehearing and/or appeal.

16 **Q. WHAT IS THE TOTAL AMOUNT OF SHARED SAVINGS THE**  
17 **COMPANY IS REQUESTING TO INCLUDE IN THIS FILING ASSUMING**  
18 **THE \$8 MILLION AFTER-TAX CAP?**

19 A. The Company requests to include \$10,277,360 of pre-tax shared savings in this

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<sup>2</sup> *In the Matter of the Application of Duke Energy Ohio, Inc. for Approval of its 2017-2019 Energy Efficiency and Peak Demand Reduction Program Portfolio Plan*, Case No. 16-576-EL-POR, Third Entry on Rehearing, pp. 22-23 (November 18, 2020) (Third Entry on Rehearing).

<sup>3</sup> *See In the Matter of the Application of Duke Energy Ohio, Inc. for Approval of its 2017-2019 Energy Efficiency and Peak Demand Reduction Program Portfolio Plan*, Case No. 16-576-EL-POR, Duke Energy Ohio Inc.’s Application for Rehearing (December 18, 2020); *In the Matter of the Application of Duke Energy Ohio, Inc. for Approval of its 2017-2019 Energy Efficiency and Peak Demand Reduction Program Portfolio Plan*, Case No. 16-576-EL-POR, Fourth Entry on Rehearing (January 13, 2021).

1 filing.

2 **Q. WHAT WOULD THE TOTAL AMOUNT OF SHARED SAVINGS BE IF,**  
3 **ON REHEARING, THE COMMISSION ORDERED THE COMPANY TO**  
4 **ONLY COLLECT AT THE \$7.8 MILLION PRE-TAX CAP?**

5 A. \$7,800,000. As described above, the Company disagrees with the imposition of  
6 this cap on its shared savings and has a pending rehearing application challenging  
7 the Commission's imposition of this cap. However, in the interest of transparency,  
8 I am providing the amount here.

## II. CALCULATION OF EE-PDR REVENUE REQUIREMENT

9 **Q. WHAT LEVEL OF ACHIEVEMENT IS THE COMPANY CLAIMING?**

10 A. Duke Energy Ohio exceeded its efficiency and peak demand mandates for 2020.  
11 Per the stipulation in Case No. 16-576-EL-POR and the approved waiver, and  
12 pending a resolution of its ongoing challenge on rehearing to the \$7.8 million pre-  
13 tax shared savings cap imposed by the Commission in its November 18, 2020, Third  
14 Entry on Rehearing in Case No. 16-576-EL-POR, the Company is claiming an  
15 after-tax shared savings achievement of \$8 million. This equates to \$10,277,360  
16 on a pre-tax basis.

17 **Q. IS THE COMPANY INCLUDING CARRYING COSTS ON LOST**  
18 **MARGINS IN THIS APPLICATION?**

19 A. No.

20 **Q. PLEASE EXPLAIN HOW DISTRIBUTION LOST MARGINS ARE**  
21 **CALCULATED.**

22 A. The DSM<sup>More</sup>™ model calculates the kWh and kW reductions associated with each



1 program measure. Based upon the units of participation and load reductions per  
2 program measure, the Company then applies lost margin rates to these reductions  
3 to calculate the lost margin dollars to be recovered.

4 **Q. WHAT IS THE DIFFERENCE BETWEEN LOST REVENUES AND LOST**  
5 **MARGINS?**

6 A. In general terms, lost margins equal lost revenues minus variable costs. For  
7 example, the lost margin associated with generation would be equal to the total  
8 generation revenue minus fuel costs (which are variable) minus any other variable  
9 O&M costs. Rider EE-PDR allows for the recovery of distribution lost margins,  
10 and the Company requests in this filing to recover distribution lost margins  
11 associated with Rider EE-PDR measures.

12 **Q. WHAT TYPES OF LOST MARGINS ARE INCLUDED IN THIS TRUE-UP?**

13 A. The calculated lost margins include only distribution margins associated with non-  
14 residential customers taking service under Rate DS, Rate DP, and Rate TS. The  
15 lost margins associated with these three non-residential rates are included under  
16 Rider EE-PDR since these non-residential customers are not subject to the  
17 Company's decoupling rider, Rider DDR (Distribution Decoupling Rider), which  
18 was approved in Case No. 11-5905-EL-RDR.

19 **Q. FOR WHAT TIME PERIODS ARE LOST MARGINS INCLUDED IN THIS**  
20 **TRUE-UP?**

21 A. This true-up includes lost margins for 2020, 2021, 2022, and 2023, as depicted on  
22 page 2 of Attachment JEZ-1. These lost margins are collectively attributable to  
23 measures installed by the Company in 2017, 2018, 2019, and/or 2020. In its Third

1 Entry on Rehearing in Case No. 16-576-EL-POR, the Commission determined that  
2 the Company “may not continue to recover lost distribution revenue after December  
3 31, 2020, even if the lost distribution revenue is attributed to energy savings  
4 achieved in 2018, 2019 or 2020.”<sup>4</sup> The Company has sought rehearing on this  
5 point, and its application currently remains pending. Accordingly, to preserve its  
6 right to complete recovery, the Company includes the disputed lost margins in this  
7 true-up and reconciliation Application.

8 **Q. DID THE DIRECT PROGRAM COSTS FOR 2020 INCLUDE INCENTIVE**  
9 **PAY?**

10 A. Yes. The direct program costs for 2020 include \$293,681 of incentive pay. In past  
11 cases, Staff has distinguished between “non-financial” and “financial” incentives,  
12 and recommended exclusion of “financial incentives, based upon a utility’s  
13 financial goals” from recovery.<sup>5</sup>

14 **Q. WHAT PROPORTION OF THE INCENTIVE PAY INCLUDED IN**  
15 **DIRECT PROGRAM COSTS FOR 2020 IS TIED TO MEASURES OTHER**  
16 **THAN THE COMPANY’S FINANCIAL PERFORMANCE, SUCH AS**  
17 **OPERATIONAL GOALS, SAFETY GOALS, AND OTHER NON-**  
18 **FINANCIAL GOALS?**

19 A. \$108,446 of the total incentive pay is tied to the Company’s financial performance.  
20 \$185,235 of the total incentive pay is tied to non-financial measures and goals.  
21 Included within the \$185,235 is \$39,884 of restricted stock units (RSUs). Although

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<sup>4</sup> Third Entry on Rehearing, p. 24.

<sup>5</sup> See *In the Matter of the Application of Duke Energy Ohio, Inc. for recovery of program costs, lost distribution revenue and performance incentives related to its Energy Efficiency and Demand Response Programs*, Case No. 18-397-EL-RDR, Staff’s Review and Recommendation, pp. 1-2 (June 12, 2019).

1 Duke Energy employees receive RSUs for employee retention, and independent of  
 2 the Company’s financial performance, the Staff has previously recommended  
 3 exclusion of these costs as well. The following table shows the detail of the  
 4 incentive pay that is included in the application:

	Amount	% Related to Financial Performance	Amount Related to Financial Performance	Amount Not Related to Financial Performance
Exec Short Term Incent	\$32,399	50%	\$16,199	\$16,199
Incentives Allocated	\$210,864	40%	\$84,346	\$126,519
Performance Award	\$10,534	75%	\$7,900	\$2,633
Restricted Stock Units	\$39,884	0%	\$0	\$39,884
<b>Total</b>	<b>\$293,681</b>		<b>\$108,446</b>	<b>\$185,235</b>

5  
 6 **Q. DOES THE COMPANY AGREE WITH PAST RECOMMENDATIONS TO**  
 7 **EXCLUDE “FINANCIAL” INCENTIVE PAY?**

8 A. No. Just like an employee’s salary, incentive pay comprises a part of each  
 9 employee’s overall compensation package that is necessary to be competitive with  
 10 other employers to attract and retain employees. Consequently, the Company  
 11 believes that incentive pay is a necessary cost of providing safe and reliable utility  
 12 service and should be recoverable. However, I am providing the components of  
 13 incentive pay here in order to ensure that, if Staff continues recommending  
 14 disallowance of “financial” incentives, it has an accurate breakdown of incentive  
 15 pay components.

16 **Q. DOES THIS APPLICATION INCLUDE AVOIDED COSTS ASSOCIATED**  
 17 **WITH THE MERCANTILE SELF-DIRECT PROGRAM?**

18 A. No. The Company included the energy and capacity savings from the Mercantile  
 19 Self-Direct program in determining its performance against the benchmarks set  
 20 forth in Section 4928.66, Ohio Revised Code, but it did not include any avoided

1 costs or lost revenues from the Mercantile Self-Direct program in its Rider EE-PDR  
2 true-up calculations.

3 **Q. DID THE TRUE-UP CALCULATION INCLUDE ANY PRIOR-PERIOD**  
4 **TRUE-UP AMOUNTS?**

5 A. Yes. To maintain continuity of the true-up mechanism from one year to the next,  
6 the filing includes the net reconciliation balances from the prior years – 2012, 2013,  
7 2014, 2015, 2016, 2017, 2018, and 2019 in this case. The Company filed its 2012  
8 reconciliation numbers in Case No. 13-753-EL-RDR. The Company filed its 2013  
9 reconciliation numbers in Case No. 14-457-EL-RDR. The Company filed its 2014  
10 reconciliation numbers in Case No. 15-534-EL-RDR. The Company filed its 2015  
11 reconciliation numbers in pending Case No. 16-664-EL-RDR. The Company filed  
12 its 2016 reconciliation numbers in Case No. 17-781-EL-RDR. The Company filed  
13 its 2017 reconciliation numbers in Case No. 18-397-EL-RDR. The Company filed  
14 its amended 2018 reconciliation numbers in December 2019 in pending Case No.  
15 19-622-EL-RDR. The Company filed its 2019 reconciliation numbers in pending  
16 Case No. 20-613-EL-RDR. Upon receipt of an order in Case No. 19-622-EL-RDR  
17 and Case No. 20-613-EL-RDR, the Company will make adjustments to this filing.

**III. RIDER EE-PDR RECONCILIATION RATE CALCULATION**

18 **Q. PLEASE EXPLAIN HOW THE COMPANY'S DISTRIBUTION**  
19 **DECOUPLING RIDER AFFECTS THE RIDER EE/PDR TRUE-UP**  
20 **CALCULATIONS.**

21 A. Rider DDR was approved on May 30, 2012 in Case No. 11-5905-EL-RDR. On  
22 January 1, 2012, the Company began tracking the authorized distribution revenues



1 for each rate class covered by the rider against the actual revenues for the rate  
2 classes covered by the rider. On February 24, 2021, the Company filed an  
3 application in Case No. 21-0098-EL-RDR to update Rider DDR rates for each rate  
4 class. The latest Rider DDR filing covers the period January 1, 2020 through  
5 December 31, 2020. In a letter dated April 27, 2021, Staff recommended approval  
6 of the filing. The lost margin dollars in this Rider EE-PDR true-up filing are based  
7 on lost kWh and kW for year 2020. Because Rider DDR does not apply to Rates  
8 DS, DP, and TS, only those three base rates are subject to lost margin recovery  
9 pursuant to Rider EE-PDRR.

10 **Q. PLEASE DESCRIBE IN DETAIL THE RIDER EE-PDRR RATE**  
11 **CALCULATIONS CONTAINED IN ATTACHMENT JEZ-1.**

12 A. Attachment JEZ-1 shows the calculation of the Rider EE-PDRR recovery rates.  
13 Page 1 shows the calculation of the Company's shared savings achievement tier.  
14 The Company earned a capped pre-tax shared savings amount of \$10,277,360, for  
15 the reasons given earlier in my testimony.

16 Page 2 summarizes the Rider EE-PDRR revenue requirement data from  
17 page 4. The total 2020 revenue requirement is \$36,857,710. This figure includes  
18 \$200,158 of Mercantile Self-Direct program cost recovery; however, no shared  
19 savings incentives are included for the self-direct program. The total includes lost  
20 revenues for 2021, 2022, and 2023 that are associated with equipment installed in  
21 2020 or before, for the reasons given earlier in my testimony.

22 Page 3 of Attachment JEZ-1 shows the 2019 EE/PDR program details and  
23 results. The sheet shows the kWh and kW impacts, the shared savings calculations,

1 the program cost recovery numbers, and the total revenue requirement associated  
2 with each of the residential and non-residential programs. This prior-year data is  
3 included because Case No. 20-613-EL-RDR is still pending before the  
4 Commission.

5 Page 4 of Attachment JEZ-1 shows the 2020 EE/PDR program details and  
6 results. The sheet shows the kWh and kW impacts, the shared savings calculations,  
7 the program cost recovery numbers, and the total revenue requirement associated  
8 with each of the residential and non-residential programs.

9 Page 5 of Attachment JEZ-1 shows the 2019 Rider EE-PDRR revenues by  
10 base rate class and month. Total revenue recovery during 2019 was \$45,266,057.

11 Page 6 of Attachment JEZ-1 shows the 2020 Rider EE-PDRR revenues by  
12 base rate class and month. Total revenue recovery during 2020 was \$30,526,967.

13 Page 7 of Attachment JEZ-1 shows the actual 2019 kWh usage by month  
14 for Rate DS, Rate DP, and Rate TS accounts. The total 2019 kWh numbers for  
15 these rates are used to calculate the lost revenue dollars included in Rider EE-PDRR  
16 associated with these three base rates. This prior-year data is included because Case  
17 No. 20-613-EL-RDR is still pending before the Commission.

18 Page 8 of Attachment JEZ-1 shows the actual 2020 kWh usage by month  
19 for Rate DS, Rate DP, and Rate TS accounts. The total 2020 kWh numbers for  
20 these rates are used to calculate the lost revenue dollars included in Rider EE-PDRR  
21 associated with these three base rates.

22 Page 9 of Attachment JEZ-1 shows the forecasted kWh billing determinants

1 for the period July 2021 through June 2022.<sup>6</sup> These kWh figures are used in the  
2 denominators of the final rate calculations that appear on page 10.

3 Page 10 shows the Rider EE-PDRR rate calculations that true-up 2020 costs  
4 and revenues. The total revenues to be recovered after reconciling all previous  
5 years collections are \$25,255,408 as shown on this page. Those revenues are then  
6 grossed up by the Commercial Activity Tax factor of 1.0026068 to a total revenue  
7 requirement of \$25,321,244. This translates into a rate of \$.001282 per kWh for  
8 residential customers; \$.001026 per kWh for non-residential customers other than  
9 those taking service under rates DS, DP, TS and RTP; and \$.001363 per kWh for  
10 those non-residential customers taking service under rates DS, DP, TS and RTP.  
11 As I previously discussed, the Company carries forward prior period reconciliation  
12 balances, including revenues. Upon receipt of a final order in Case No. 19-622-  
13 EL-RDR and in Case No. 20-613-EL-RDR, the Company will adjust this filing if  
14 necessary, to reflect any changes to the as-filed numbers in that case.

15 Page 11 is a summary table that shows the amount of lost revenues for 2021  
16 through 2023 included in the total revenue requirement that are associated with  
17 measures implemented in 2020 and prior years.

#### 18 **IV. CONCLUSION**

19 **Q. HOW DOES THE COMPANY PROPOSE THAT ITS TARIFFS,**  
20 **INCLUDING THE PREVIOUSLY DISCUSSED RATES AND CHARGES,**  
**BE IMPLEMENTED?**

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<sup>6</sup>The Company is aware that the Commission has ordered utilities to wind-down their existing energy efficiency programs by December 31, 2020. However, the rate calculation assumes twelve months of recovery.

1 A. Duke Energy Ohio proposes that the revised tariffs, including the rates and charges  
2 to be issued pursuant to the Commission's Order in this case, be effective for twelve  
3 months for all customers on a bills-rendered basis.

4 **Q. WERE THE ATTACHMENTS DISCUSSED ABOVE PREPARED BY YOU**  
5 **OR UNDER YOUR SUPERVISION?**

6 A. Yes.

7 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

8 A. Yes.

**Duke Energy Ohio  
2020 True Up  
Shared Savings Achievements and Revenue Requirement Compared to Cap**

**Achievement Level**

	2020 Achievement from Shared Savings Portfolio	262,104
1	+ Use of Incentive Bank, if any	0
	= Total Claimed Impacts	262,104
	/ Mandate excluding Mercantile	195,241
	= <b>Achievement</b>	<b>134%</b>
	- Achievement for 2020	218,670
	= Impacts to Bank, if any	43,434

**Achievement Tiers**

Achievement of Annual Target	After-Tax Shared Savings
≤100	0.0%
>100-106	6.0%
≥106-112	9.0%
>112	12.0%

**Shared Savings Rate and Tax Gross-up**

	After-Tax Achievement Rate	12.0%
	/ Tax Grossup Factor	77.8410%
	= <b>Pre-Tax Achievement Rate</b>	<b>15.42%</b>

**Shared Savings Cap**

2	After-Tax Achievement Cap	\$8,000,000
	/ Tax Grossup Factor	77.8410%
	= <b>Pre-Tax Achievement Cap</b>	<b>\$10,277,360</b>

**Shared Savings, Capped**

	Shared Savings Achievement, Uncapped	\$16,017,561
	- Pre-Tax Achievement Cap	\$10,277,360
	= Shared Savings Achievement, Compared to Cap	\$5,740,201

**Shared Savings Achievement, Capped** **\$10,277,360**

**Revenue Requirement: Cost Recovery Revenue**

Cost Recovery Revenue, Uncapped \$20,730,877

**Total Revenue, Capped** **\$31,008,237**

**Total Revenue Requirement (incl lost revenue)** **\$36,857,710**

**Bank**

	Starting Incentive Bank from Prior Year's True-up Filing	523,571
	- Use of Incentive Bank, if any	0
	+ Banked Impacts	43,434
	= Ending Incentive Bank	567,005

1 - Use of incentive bank to achieve incentive level is disallowed per settlement agreement in Case Nos. 14-0457-EL-RDR and 15-0534-EL-RDR.

2- Caps as set in order in Case No. 16-576-EL-POR

**Duke Energy Ohio**  
**2020 True Up**  
**Total Revenue Requirement**

	<b>Res</b>	<b>NonRes</b>	<b>Total</b>
Program Costs and Shared Savings Revenue	19,083,924	11,724,155	30,808,079
Lost Revenues 2020	0	2,280,012	2,280,012
Lost Revenues 2021	0	2,047,876	2,047,876
Lost Revenues 2022	0	1,162,929	1,162,929
Lost Revenues 2023	0	358,655	358,655
Mercantile Self-Direct Cost Recovery		200,158	200,158
<b>Total Revenue Requirement</b>	<b>19,083,924</b>	<b>17,773,786</b>	<b>36,857,710</b>

Duke Energy Ohio  
2019 True-Up Program Summary

Current Capability Areas Current Capability Annual KW Gross PE @ Plant

Energy Efficiency Programs (E-Efficiency) @ Plant Total

Program	Type	Participants			Shared Savings Calculations - (Unshared Cost-Intensive Programs Costs) & Sharing Rate										Cost Recovery				Capital Expenditure			DSM/WT and EV	
		# of Plants	# of Customers	# of MWs	Total NPV Awarded Cost of Capacity / Total	Total NPV Awarded Cost of Energy / Total	Total NPV Awarded Cost of PE / Total	Total Assessed Costs	Total Costs	Shared Savings Pool	Shared Savings Pool, per MW	Shared Savings Revenue, Overlap	Net-MW Costs	MBW Costs	Total Costs	Cost Recovery Revenue	Incentive Cap Adjustment	Shared Savings Revenue, Capex	Total Revenue	Lost Revenue Make-Whole	Total Revenue Requirement		
<b>Shared Savings Recovery</b>																							
<b>Bas</b>																							
Energy Efficiency																							
Energy Efficiency Education Programs for Schools																							
Peak Energy Conservation Incentives																							
Low Income Weatherization - Pay for Performance																							
Residential Energy Assessments																							
Smart Load Residential																							
<b>Shared Savings Recovery</b>																							
<b>Shared Savings</b>																							
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DUKE ENERGY OHIO  
RIDER EE-PDRR REVENUES

Rider Revenue Rate 2019

Sum of RIDER EE	Column Labels												
Row Labels	1/1/2019	2/1/2019	3/1/2019	4/1/2019	5/1/2019	6/1/2019	7/1/2019	8/1/2019	9/1/2019	10/1/2019	11/1/2019	12/1/2019	Grand Total
DM	\$72,557	\$71,371	\$66,625	\$58,821	\$56,450	\$63,191	\$204,247	\$203,798	\$290,814	\$262,486	\$226,248	\$269,520	\$1,846,129
DP	\$260,865	\$245,391	\$238,847	\$243,936	\$259,786	\$262,605	\$632,781	\$607,373	\$902,643	\$842,823	\$782,682	\$794,929	\$6,074,662
DS	\$904,180	\$862,163	\$828,882	\$807,478	\$835,024	\$915,376	\$2,138,290	\$2,075,948	\$3,118,572	\$2,859,177	\$2,555,537	\$2,667,256	\$20,567,883
EH	\$14,403	\$15,298	\$13,141	\$9,924	\$7,919	\$146	\$147	\$210	\$177	\$31,683	\$33,552	\$46,302	\$172,481
GF	\$3,490	\$3,490	\$3,490	\$3,490	\$3,490	\$3,490	\$8,831	\$8,880	\$13,201	\$13,201	\$13,201	\$13,201	\$91,457
OR	\$3,106	\$2,809	\$2,427	\$1,524	\$1,128	\$1,248	\$679	\$584	\$528	\$455	\$649	\$960	\$10,914
RS	\$2,533,547	\$2,506,287	\$2,183,941	\$1,678,573	\$1,484,766	\$1,872,844	\$1,097,716	\$1,087,802	-\$864,086	-\$752,957	-\$596,357	-\$818,093	\$11,413,983
SF	\$7	\$7	\$7	\$7	\$7	\$7	\$19	\$19	\$28	\$28	\$28	\$28	\$192
TD	\$105	\$101	\$95	\$65	\$52	\$64	\$39	\$41	\$27	\$30	\$26	\$33	\$447
TS	\$224,088	\$221,476	\$219,391	\$244,721	\$233,023	\$184,021	\$562,692	\$504,728	\$763,512	\$712,600	\$694,530	\$455,944	\$5,020,726
CUR	\$13,727	\$12,706	\$12,126	\$10,710	\$9,036	\$8,878							\$67,183
<b>Grand Total</b>	<b>\$4,030,075</b>	<b>\$3,941,100</b>	<b>\$3,568,973</b>	<b>\$3,059,251</b>	<b>\$2,890,681</b>	<b>\$3,311,870</b>	<b>\$4,645,441</b>	<b>\$4,488,963</b>	<b>\$4,224,307</b>	<b>\$3,968,556</b>	<b>\$3,708,746</b>	<b>\$3,428,094</b>	<b>\$45,266,057</b>

DUKE ENERGY OHIO  
RIDER EE-PDRR REVENUES

Rider Revenue Rate 2020

Sum of RIDER EE	Column Labels												
Row Labels	1/1/2020	2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020	7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020	12/1/2020	Grand Total
DM	\$273,267	\$260,994	\$245,619	\$200,025	\$189,898	\$243,084	\$297,806	\$291,542	\$283,090	\$221,315	\$215,373	\$267,249	\$2,989,262
DP	\$763,885	\$665,559	\$627,053	\$566,291	\$508,288	\$637,856	\$598,566	\$522,747	\$474,254	\$427,391	\$408,763	\$417,212	\$6,617,865
DS	\$2,644,028	\$2,417,182	\$2,217,079	\$1,901,180	\$1,818,283	\$2,146,351	\$2,453,264	\$2,363,193	\$2,337,574	\$1,976,939	\$1,883,483	\$2,039,863	\$26,198,420
EH	\$46,402	\$34,296	\$39,668	\$23,973	\$19,777	\$859	\$897	\$1,006	\$1,259	\$19,600	\$21,653	\$35,091	\$244,480
GF	\$13,117	\$13,201	\$13,180	\$13,181	\$13,180	\$13,181	\$13,181	\$13,181	\$13,181	\$13,181	\$13,181	\$13,181	\$158,123
OR	-\$913	-\$948	-\$780	-\$587	-\$515	-\$519	-\$617	-\$556	-\$522	-\$404	-\$548	-\$919	-\$7,827
RS	-\$850,415	-\$791,279	-\$728,884	-\$614,838	-\$592,358	-\$763,676	-\$1,006,386	-\$985,467	-\$889,927	-\$594,270	-\$583,059	-\$826,560	-\$9,227,117
SF	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$331
TD	-\$36	-\$36	-\$32	-\$27	-\$25	-\$29	-\$36	-\$34	-\$33	-\$21	-\$23	-\$33	-\$364
TS	\$451,338	\$447,459	\$436,688	\$399,751	\$297,917	\$339,385	\$221,489	\$245,982	\$201,106	\$193,955	\$159,741	\$158,982	\$3,553,794
<b>Grand Total</b>	<b>\$3,340,700</b>	<b>\$3,046,455</b>	<b>\$2,849,619</b>	<b>\$2,488,977</b>	<b>\$2,254,473</b>	<b>\$2,616,520</b>	<b>\$2,578,192</b>	<b>\$2,451,622</b>	<b>\$2,420,011</b>	<b>\$2,257,713</b>	<b>\$2,118,591</b>	<b>\$2,104,094</b>	<b>\$30,526,967</b>

**DUKE ENERGY OHIO  
KWH BY MONTH AND RATE FOR RATES DS, DP, AND TS  
JANUARY 2019 - DECEMBER 2019**

Sum of	USAGE	Column Labels						
Row Labels	DP	DS	TS	Grand Total	LR Rate	Lost Rev		
1/1/2019	166,281,243	541,817,102	278,907,572	987,005,917	\$ 0.000265	\$ 261,557		
2/1/2019	156,786,543	516,613,885	262,698,466	936,098,894	\$ 0.000265	\$ 248,066		
3/1/2019	152,910,133	496,587,966	261,088,440	910,586,539	\$ 0.000265	\$ 241,305		
4/1/2019	158,057,965	483,508,104	283,136,681	924,702,750	\$ 0.000265	\$ 245,046		
5/1/2019	169,669,833	500,083,832	268,229,343	937,983,008	\$ 0.000265	\$ 248,565		
6/1/2019	172,277,270	548,159,244	140,944,480	861,380,994	\$ 0.000265	\$ 228,266		
7/1/2019	203,709,568	619,319,203	305,682,943	1,128,711,714	\$ (0.000086)	\$ (97,069)		
8/1/2019	190,961,731	596,933,046	395,736,356	1,183,631,133	\$ (0.000086)	\$ (101,792)		
9/1/2019	190,779,589	609,653,294	283,639,932	1,084,072,815	\$ (0.000142)	\$ (153,938)		
10/1/2019	176,224,118	553,512,056	168,455,296	898,191,470	\$ (0.000142)	\$ (127,543)		
11/1/2019	161,753,271	494,498,625	354,169,916	1,010,421,812	\$ (0.000142)	\$ (143,480)		
12/1/2019	165,256,491	516,955,969	286,156,204	968,368,664	\$ (0.000142)	\$ (137,508)		
Grand Total	2,064,667,755	6,477,642,326	3,288,845,629	11,831,155,710		\$ 711,475		

**DUKE ENERGY OHIO  
KWH BY MONTH AND RATE FOR RATES DS, DP, AND TS  
JANUARY 2019 - DECEMBER 2019**

Sum of	USAGE	Column Labels						
Row Labels	DP	DS	TS	Grand Total	LR Rate	Lost Rev		
1/1/2020	161,638,371	518,944,335	268,058,123	948,640,829	\$ (0.000142)	\$ (134,707)		
2/1/2020	153,633,680	493,913,533	254,681,083	902,228,296	\$ (0.000142)	\$ (128,116)		
3/1/2020	154,910,605	479,075,574	271,342,285	905,328,464	\$ (0.000142)	\$ (128,557)		
4/1/2020	146,949,870	421,335,188	218,980,164	787,265,222	\$ (0.000142)	\$ (111,792)		
5/1/2020	145,706,392	406,002,172	154,916,097	706,624,661	\$ (0.000142)	\$ (100,341)		
6/1/2020	173,274,309	487,075,870	309,370,075	969,720,254	\$ (0.000142)	\$ (137,700)		
7/1/2020	187,832,590	563,777,397	145,433,015	897,043,002	\$ (0.000142)	\$ (127,380)		
8/1/2020	187,880,976	551,877,492	428,956,108	1,168,714,576	\$ (0.000142)	\$ (165,957)		
9/1/2020	185,315,774	551,073,778	101,922,337	838,311,889	\$ (0.000142)	\$ (119,040)		
10/1/2020	162,553,762	474,894,498	353,065,912	990,514,172	\$ (0.000142)	\$ (140,653)		
11/1/2020	158,412,366	480,552,943	278,186,929	917,152,238	\$ (0.000142)	\$ (130,236)		
12/1/2020	157,212,808	496,188,520	265,407,649	918,808,977	\$ (0.000142)	\$ (130,471)		
Grand Total	1,975,321,503	5,924,711,300	3,050,319,777	10,950,352,580		\$ (1,554,950)		

Duke Energy Ohio  
Energy Efficiency and Peak Demand Response Rider  
Summary of Billing Determinants

Year	July 2021 - June 2022
Projected Annual Electric Sales KWH	
Residential Rates RS, ORH, TD, RS3P, RSLI, TD-13	7,137,485,280
Non-Residential Rates DS, DP, DM, GS-FL, EH, SP, SFL-ADPL, TS, RTP, & CUR	12,050,465,071
Non-Residential Rates DS, DP, & TS	11,296,754,433

Duke Energy Ohio  
Energy Efficiency and Peak Demand Response Rider  
Summary of Calculations

2020 Annual Filing

Rate Schedule	2012-2014 Actual			2015-2016 Actual			2016-2017 Actual			2017-2018 Actual			2018-2019 Actual			2019-2020 Actual			Total		Estimated Billing Determinants	True-up Rates				
	Program Costs & Shared Savings	Lost Revenues (DS, DP, TS)	Riders EE-PDR / S/A/W Revenues	Program Costs & Shared Savings	Lost Revenues (DS, DP, TS)	Riders EE-PDR Revenues	Program Costs & Shared Savings	Lost Revenues (DS, DP, TS)	Riders EE-PDR Revenues	Program Costs & Shared Savings	Lost Revenues (DS, DP, TS)	Riders EE-PDR Revenues	Program Costs & Shared Savings	Lost Revenues (DS, DP, TS)	Riders EE-PDR Revenues	Program Costs & Shared Savings	Lost Revenues (DS, DP, TS)	Riders EE-PDR Revenues	Requirements	Requirements Plus CAT (B)		Energy Efficiency and Peak Demand Response Recovery Rider (EE-PDR)	Energy Efficiency and Peak Demand Response Recovery Rider (EE-PDR)			
	Case No. 13-753, 14-457, 15-534 (c)			Case No. 16-664, 17-781 (a6-filed)			Case No. 21-482-EL-RDR			A+B+C+D+E+F+G+H+I+J+K+L+M+N+O+P+Q+R+T+U+V+W+X+Y+Z		AA+BB+CC+DD+EE+FF+GG+HH+II+JJ+KK+LL+MM+NN+OO+PP+QQ+RR+SS+TT+UU+VV+WW+XX+YY+ZZ		Case No. 14-457, 15-534		Case No. 16-664, 17-781, 18-397										
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
<b>Electric Rider DSM</b>																										
Residential Rates RS, ORH, TD, RSP, RSL, TD-13	\$ 57,060,033	\$ -	\$ (48,028,991)	\$ 29,362,643	\$ -	\$ (49,952,525)	\$ 19,083,924	\$ -	\$ (9,326,133)	\$ -	\$ 9,326,133	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution Level Rates - Program Cost Recovery (Part A) Applies to Rates DS, DP, DM, GS-FL, EH, SFL-ADPL, TS, RTP, & CUR	\$ 52,456,573	\$ -	\$ (46,708,059)	\$ 46,692,759	\$ -	\$ (31,280,600)	\$ 11,924,113	\$ -	\$ 12,330,391	\$ -	\$ 12,362,534	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution Level Rates - Lost Revenue Recovery (Part B) Applies to Rates DS, DP, TS, & RTP	\$ -	\$ 5,653,696	\$ (6,770,213)	\$ -	\$ 4,078,295	\$ (6,451,585)	\$ -	\$ 5,849,473	\$ 3,798,884	\$ -	\$ 3,808,787	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Recovery</b>	\$ 109,516,606	\$ 5,653,696	\$ (101,507,263)	\$ 76,055,402	\$ 4,078,295	\$ (87,684,710)	\$ 31,008,237	\$ 5,849,473	\$ 25,255,408	\$ -	\$ 25,321,244	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	2017 Actual			2018 Actual			2019 Actual			2020 Actual			Adjustments From Orders In Case No. 14-457, 15-534		Adjustments From Orders In Case No. 16-664, 17-781, 18-397											
	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ
<b>Electric Rider DSM</b>																										
Residential Rates RS, ORH, TD, RSP, RSL, TD-13	\$ 9,085,353	\$ -	\$ (23,932,826)	\$ 23,656,863	\$ -	\$ (26,861,932)	\$ 22,901,745	\$ -	\$ (11,425,544)	\$ -	\$ 9,235,309	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution Level Rates - Program Cost Recovery (Part A) Applies to Rates DS, DP, DM, GS-FL, EH, SFL-ADPL, TS, RTP, & CUR	\$ 42,365,306	\$ -	\$ (15,032,339)	\$ 21,548,762	\$ -	\$ (15,504,186)	\$ 17,597,938	\$ -	\$ (33,129,236)	\$ -	\$ (30,207,325)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Distribution Level Rates - Lost Revenue Recovery (Part B) Applies to Rates DS, DP, TS, & RTP	\$ -	\$ 2,801,537	\$ (3,138,204)	\$ -	\$ 3,345,900	\$ (3,207,851)	\$ -	\$ 3,904,263	\$ (711,475)	\$ -	\$ (1,554,958)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Recovery</b>	\$ 51,450,660	\$ 2,801,537	\$ (42,103,370)	\$ 45,205,625	\$ 3,345,900	\$ (45,373,970)	\$ 40,499,683	\$ 3,904,263	\$ (45,266,057)	\$ -	\$ (30,526,968)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Charge for Residential Rates RS, ORH, TD, RSP, RSL, TD-13																							\$	0.001282	\$/kWh	
Total Charge for Rates DM, GS-FL, EH, SFL-ADPL, & CUR (Part A Only)																							\$	0.001026	\$/kWh	
Total Charge for Rates DS, DP, TS, & RTP (Part A plus Part B)																							\$	0.001363	\$/kWh	

Note: (a) Rider DDR (Distribution Decoupling Rider) does not apply to Rates DS, DP, and TS. These rates are therefore subject to lost distribution revenue recovery under Rider EE-PDR.  
(b) Commercial Activity Tax (CAT) factor is 1.002068  
(c) Includes adjustments ordered in Case No. 14-457-EL-RDR and 15-534-EL-RDR. Adjustments are shown in GG.  
(d) M&V costs are included in the Shared Savings calculation per the order in Case No. 13-753-EL-RDR.

	<b>\$8M after tax</b>
	<b>Baseline</b>
<b>Total Balance at 12/31/2020</b>	<b>\$21,685,947</b>
<b>Residential</b>	\$9,126,133
<b>Non-Residential</b>	\$12,559,815
2021 Lost Revenues (Non-Residential)	\$2,047,876
2022 Lost Revenues (Non-Residential)	\$1,162,929
2023 Lost Revenues (Non-Residential)	\$358,655
<b>Total</b>	<b>\$25,255,408</b>

Duke Energy Ohio  
139 East Fourth Street  
Cincinnati, Ohio 45202

**RIDER EE-PDRR  
ENERGY EFFICIENCY AND PEAK DEMAND RESPONSE RECOVERY RATE**

The EE-PDRR rate shall be determined in accordance with the provisions of Rider EE-PDR, Energy Efficiency and Peak Demand Response Recovery rider, Sheet No. 120 of this Tariff.

The EE-PDRR rate to be applied to residential service customer bills is \$0.~~000000~~001282 per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, other than service under Rates DS, DP, TS, and RTP for distribution service is \$0.~~000000~~001026 per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, for service under Rates DS, DP, TS, and RTP for distribution service is \$0.~~000000~~001363 per kilowatt-hour.

This Rider is subject to reconciliation, including, but not limited to, refunds or additional charges to customers, ordered by the Commission as the result of audits by the Commission in accordance with the December 19, 2018, Opinion and Order in Case No. 17-1263-EL-SSO, et al.

Filed pursuant to Orders dated ~~November 18, 2020~~ \_\_\_\_\_ in Case No. ~~4621-576482-EL-POR-RDR~~  
before the Public Utilities Commission of Ohio.

Issued: ~~November 30, 2020~~

Effective: ~~January 1, 2021~~

Issued by Amy B. Spiller, President



Duke Energy Ohio  
139 East Fourth Street  
Cincinnati, Ohio 45202

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**RIDER EE-PDRR  
ENERGY EFFICIENCY AND PEAK DEMAND RESPONSE RECOVERY RATE**

The EE-PDRR rate shall be determined in accordance with the provisions of Rider EE-PDR, Energy Efficiency and Peak Demand Response Recovery rider, Sheet No. 120 of this Tariff.

The EE-PDRR rate to be applied to residential service customer bills is \$0.001282 per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, other than service under Rates DS, DP, TS, and RTP for distribution service is \$0.001026 per kilowatt-hour.

The EE-PDRR rate to be applied to non-residential service customer bills, for service under Rates DS, DP, TS, and RTP for distribution service is \$0.001363 per kilowatt-hour.

This Rider is subject to reconciliation, including, but not limited to, refunds or additional charges to customers, ordered by the Commission as the result of audits by the Commission in accordance with the December 19, 2018, Opinion and Order in Case No. 17-1263-EL-SSO, et al.

Filed pursuant to Orders dated \_\_\_\_\_ in Case No. 21-482-EL-RDR before the Public Utilities Commission of Ohio.

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Issued:

Effective:

Issued by Amy B. Spiller, President