

BEFORE

THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
Duke Energy Ohio, Inc., for Approval)	Case No. 11-5905-EL-RDR
to Adjust Rider DDR.)	

**DUKE ENERGY OHIO, INC.'S
APPLICATION TO ADJUST AND SET
RIDER DDR**

Pursuant to R.C. 4909.18, Duke Energy Ohio, Inc., (Duke Energy Ohio) requests approval to adjust the rate for its pilot distribution decoupling rider, Rider DDR.

Duke Energy Ohio is an Ohio corporation engaged in the business of supplying electric transmission, distribution, and generation service to customers in southwestern Ohio, all of whom will be affected by this Application, and is a public utility as defined by R. C. 4905.02 and 4905.03. Duke Energy Ohio serves incorporated communities and unincorporated territory within its entire service area, which includes all or parts of Adams, Brown, Butler, Clinton, Clermont, Hamilton, Montgomery, and Warren Counties in Ohio.

In support of its Application, Duke Energy Ohio states as follows:

1. This Application is made pursuant to the Finding and Order issued by the Public Utilities Commission of Ohio (Commission) on November 22, 2011, in Case Nos. 11-3549-EL-SSO, wherein the Commission adopted and approved the Stipulation filed by the Parties that included an agreement the Duke Energy Ohio would subsequently file for approval of a distribution decoupling mechanism to adjust rates between rate cases. Subsequent to the Commission's approval of the Stipulation in that proceeding, Duke Energy Ohio did file an application for approval of a pilot decoupling

mechanism. That application was approved by the Commission in a Finding and Order on May 30, 2012 in Case No. 11-5905-EL-RDR.

2. In its Finding and Order in Case No. 11-5905-EL-RDR, the Commission approved the proposed decoupling mechanism and directed the Company to accrue positive or negative differences in a balancing account specific to each rate class and to submit an application to adjust Rider DDR by March 1 of each year.
3. At the conclusion of the pilot, Duke Energy Ohio was to provide a report to the Commission discussing the results of the pilot and justification for extending or terminating the program. Duke Energy Ohio filed a report on August 28, 2015.
4. Attachment 1 to this Application shows the calculation of the proposed rider rates. The proposed rider rates are \$0.000809 per kWh for all residential rates, \$0.000873 per kWh for Rate EH, and \$0.000613 per kWh for Rate DM. The current rider rates are \$0.001741 per kWh for all residential rates, \$0.000862 per kWh for Rate EH, and \$0.002097 per kWh for Rate DM.
5. Page 1 of Attachment 1 shows the Rider DDR rate calculations. The revenue requirement has two main components: revenues required to true-up calendar year 2019 base distribution revenues against the approved base distribution revenues, and a reconciliation of prior years' allowed revenues to be collected during July 2013 through December 2019 against actual Rider DDR revenues collected during that same period.
6. Pages 3 through 14 of Attachment 1 show the detailed decoupling revenue calculations for 2019 by month. Page 2 summarizes the numbers contained on pages 3 through 14.

7. Page 15 of Attachment 1 shows the customer counts by rate and month for the period January through December 2019.
8. Page 16 of Attachment 1 shows the weather normalized actual kWh by rate and month for the period January through December 2019.
9. Page 17 of Attachment 1 shows the base distribution rates that are included in the calculations on pages 3 through 14.
10. Page 18 of Attachment 1 shows the calculation of the base distribution revenue per customer, excluding customer charges, as approved in Case No. 17-0032-EL-AIR. These reference numbers are used in the 2019 decoupling calculations. Base distribution rates that were approved in Case No. 17-0032-EL-AIR were effective January 2, 2019.
11. Page 19 of Attachment 1 shows the actual Rider DDR revenues for the period July 2013 through December 2019.
12. Page 20 of Attachment 1 shows the calculation of the three percent cap on rates for Rider DDR. The cap is applied to Rate EH on page 1.
13. Page 21 of Attachment 1 shows the kWh forecast for January 2020 through December 2021. Numbers from this page appear on page 1 in the calculation of the proposed Rider DDR rates to be effective beginning July 1, 2020.
14. These rates for Duke Energy Ohio customers subject to Rider DDR are just and reasonable and should be approved. A copy of the proposed tariff sheet is included as Attachment 2 to this Application.

WHEREFORE, Duke Energy Ohio respectfully requests that the Commission approve the new decoupling distribution rider rate for Rider DDR as proposed in this Application.

Respectfully submitted,

Duke Energy Ohio, Inc.

/s/ Larisa M. Vaysman

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DUKE ENERGY OHIO
CALCULATION OF RIDER DOR (DISTRIBUTION DECOUPLING) RATES EFFECTIVE JULY 1, 2020 - JUNE 30, 2021

	Previous Filing Reconciliation										CY2019 Decoupling Feb 2020 Filing DOR Revenues	Total Requirement Decoupling Revenues To Be Recovered Jul 2020 - June 2021 I = A + B + C + D + E + F + G + H	kWh Billing Determinants kWh July 2020 - June 2021 J	Rider DOR Rates Effective July 2020 - June 2021 K = I / J			
	CY2012/13 Decoupling		CY2014 Decoupling		CY2015 Decoupling		CY2016 Decoupling		CY2017 Decoupling						CY2018 Decoupling		Less: DOR Revenues Jul 2013 - Dec 2019 Actual G
	Feb 2013/14 Filing	Feb 2015 Filing	Feb 2016 Filing	Feb 2017 Filing	Feb 2018 Filing	Feb 2019 Filing	Feb 2020 Filing	Feb 2021 Filing	Feb 2022 Filing	Feb 2023 Filing					Feb 2024 Filing		
	DOR Revenues	DOR Revenues	DOR Revenues	DOR Revenues	DOR Revenues	DOR Revenues	DOR Revenues	DOR Revenues	DOR Revenues	DOR Revenues					DOR Revenues		
	Allowed ^{1,2} A	Allowed ³ C	Allowed ⁴ D	Allowed ⁵ E	Allowed ⁶ F	Allowed ⁷ H											
	\$6,526,895	-\$536,423	\$971,709	\$3,580,531	\$5,313,253	\$4,718,185	\$12,834,771										
Residential RS, RSP, RSL, ORH, TD)																	
EH	\$960,446	-\$172,956	-\$123,296	-\$63,469	-\$70,923	-\$157,351	\$315,970										
DM	-\$1,896,731	-\$154,822	-\$138,466	\$349,113	\$560,825	\$140,320	-\$2,008,690										
Total	\$5,600,610	-\$864,201	\$709,947	\$3,866,175	\$5,803,155	\$4,703,154	\$11,142,051										

¹ Application dated February 26, 2013. Attachment 1 page 1.
² Application dated February 26, 2014. Attachment 1 page 2.
³ Application dated February 25, 2015. Attachment 1 page 2.
⁴ Application dated February 25, 2015. Attachment 1 page 2.
⁵ Application dated February 29, 2016. Attachment 1 page 2.
⁶ Application dated February 30, 2017. Attachment 1 page 2.
⁷ Application dated February 27, 2018. Attachment 1 page 2.
⁸ Application dated February 27, 2019. Attachment 1 page 2.
⁹ These percent cap in effect for Rate EH. Cap calculated on page 20.
¹⁰ From page 2 of this work paper.

3% Cap Applied⁸
\$56,214

\$357,515

\$6,281,206

\$0.000873

\$0.000613

7,897,937,456

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

A	January 2017 Actual, Weather Normalized (from page 3)											
	NON-RESIDENTIAL						RESIDENTIAL					
	DM	EH	ORH	ORHP	RS	CLR	RSPP	RSLI	RSPP	RSPP	TD	
	579,895,232	63,838,942	8,285,504	65,548	7,019,514,186	87,969,897	6,720,652	42,872,968	241,482,148	277,557		

B	January 2017 Actual (from page 2)											
	NON-RESIDENTIAL						RESIDENTIAL					
	DM	EH	ORH	ORHP	RS	CLR	RSPP	RSLI	RSPP	TD		
	503,281	5,678	2,280	24	7,457,321	171,186	2,338	53,847	217,323	194		

C	January 2017 Actual (from page 2)											
	NON-RESIDENTIAL						RESIDENTIAL					
	2019 Distribution Revenue	\$21,396,310	\$1,125,991									
	2019 Residential Distribution Revenue											
	2019 Revenue Per Customer	\$42.51	\$198.31									
	2019 Residential Rev per Customer											

F	January 2017 Actual (from page 2)											
	NON-RESIDENTIAL						RESIDENTIAL					

G = (F * B)	January 2017 Actual (from page 2)											
	NON-RESIDENTIAL						RESIDENTIAL					
	2019 Authorized Revenue Adjusted For 2019 Customer Count	\$20,874,897	\$1,440,919									

H = G - D	January 2017 Actual (from page 2)											
	NON-RESIDENTIAL						RESIDENTIAL					
	Decoupling True-up Revenue	-\$521,413	\$314,926	\$3,165	\$43	-\$631,759	-\$3,346	-\$25,935	-\$37,105	-\$1,180,658	\$3,693	

Decoupling True-up Revenue

**DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)**

A

January 2019 Actual Weather Normalized (from page 3)											
NON-RESIDENTIAL				RESIDENTIAL							
DM	EH	EH	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD
52,804,401	10,435,290			962,491	8,084	757,302,875	10,510,907	743,821	5,161,530	28,344,550	32,667

B

January 2019 Actual (from page 2)											
NON-RESIDENTIAL				RESIDENTIAL							
DM	EH	EH	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD
41,639	710			193	2	620,510	14,290	189	4,739	18,618	17

C

RESIDENTIAL											
Distribution Rate (\$ per kWh)				Note 1							
2019 Distribution Revenue				\$0.017638							
2019 Residential Distribution Revenue				\$2,018,659							
2019 Revenue Per Customer				\$48.48							
2019 Residential Rev per Customer				\$101.72							
				\$82.24							
				\$38.42							
				\$23.16							
				\$38.37							

F

RESIDENTIAL											
2019 Authorized Revenue Per Customer				58.70							
				253.77							
				41.48							
				58.70							
				29.55							
				16.16							
				79.40							
				24.44							
				29.55							

G = (F * B)

RESIDENTIAL											
2019 Authorized Revenue Adjusted For 2019 Customer Count				\$11,329.46							
				\$180,178							
				\$117.40							
				\$18,335,467.37							
				\$230,984.94							
				\$15,006.92							
				\$115,799.09							
				\$550,143.80							
				\$19,259,689							
				\$16.16							
				\$79.40							
				\$24.44							
				\$29.55							
				\$29.25							

H = G - D

RESIDENTIAL											
Decoupling True-up Revenue				-\$3,302							
				-\$47							
				-\$5,505,942							
				-\$99,919							
				-\$8,404							
				-\$46,696							
				-\$342,199							
				-\$6,011,300							
				-\$6.99							
				-\$44.46							
				-\$9.85							
				-\$18.38							
				-\$9.13							

Decoupling True-up Revenue

\$6,306,752

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

A

February 2019 Actual, Weather Normalized (from page 3)											
NON-RESIDENTIAL						RESIDENTIAL					
kWh	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD	
	50,888,427	10,881,206	803,003	10,298	683,906,989	9,014,488	707,218	4,716,424	26,429,141	29,141	

B

February 2019 Actual (from page 2)											
NON-RESIDENTIAL						RESIDENTIAL					
No. Bills	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD	
	41,650	714	193	2	622,015	14,312	193	4,700	18,865	16	

C

RESIDENTIAL											
Distribution Rate (\$ per kWh)	\$0.038229	\$0.017638	\$0.020397	\$0.020397	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	Note 1
2019 Distribution Revenue	\$1,938,150	\$191,923	\$16,379	\$210	\$21,845,580	\$283,794	\$22,265	\$148,482	\$832,042	\$561	\$0.019267
2019 Residential Distribution Revenue						\$23,149,314					
2019 Revenue Per Customer	\$46.53	\$268.80	\$84.86	\$105.02	\$35.12	\$19.83	\$115.36	\$31.59	\$44.11	\$35.09	
2019 Residential Rev per Customer						\$35.06					

F

RESIDENTIAL											
2019 Authorized Revenue Per Customer	41.48	253.77	58.70	58.70	29.55	16.16	79.40	24.44	29.55	49.40	

G = (F * B)

RESIDENTIAL											
2019 Authorized Revenue Adjusted For 2019 Customer Count	\$1,727,543	\$181,193	\$11,329,46	\$117.40	\$18,379,938.66	\$231,340.55	\$15,324.52	\$114,846.11	\$557,442.41	\$790.44	
			\$58.70	\$58.70	\$29.55	\$16.16	\$79.40	\$24.44	\$29.55	\$49.40	
						\$29.25					

H = G - D

RESIDENTIAL											
Decoupling True-up Revenue	-\$210,607	-\$10,725	-\$5,049	-\$93	-\$3,465,641	-\$52,453	-\$6,940	-\$33,636	-\$274,600	\$229	
						-\$3,838,184					
			-\$26.16	-\$46.32	-\$5.57	-\$3.67	-\$35.96	-\$7.16	-\$14.56	\$14.31	
						-\$5.81					

Decoupling True-up Revenue

\$4,059,521

DUKE ENERGY OHIO
CALCULATION OF RDR DDR (DECOUPLING)

	March 2019 Actual, Weather Normalized (from page 3)									
	NON-RESIDENTIAL					RESIDENTIAL				
A	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD
	47,168,253	9,328,502	680,941	7,833	591,803,897	8,431,890	595,680	4,003,086	23,340,815	26,465

	March 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
B	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD
	41,729	713	193	2	621,654	14,164	195	4,652	18,946	17

	RESIDENTIAL									
	Note 1									
C	Distribution Rate (\$ per kWh)	\$0.017638	\$0.020397	\$0.020397	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.019267
D = A * C	2019 Distribution Revenue	\$1,803,195	\$13,889	\$160	\$18,634,318	\$265,453	\$18,753	\$126,025	\$734,816	\$510
D1	2019 Residential Distribution Revenue					\$19,793,924				
E = D / B	2019 Revenue Per Customer	\$43.21	\$71.96	\$79.88	\$29.98	\$18.74	\$96.17	\$27.09	\$38.78	\$29.99
E1 = D / B	2019 Residential Rev per Customer					\$30.00				

	RESIDENTIAL									
F	2019 Authorized Revenue Per Customer	41.48	58.70	58.70	29.55	16.16	79.40	24.44	29.55	49.40

	RESIDENTIAL									
G = (F * B)	2019 Authorized Revenue Adjusted For 2019 Customer Count	\$1,730,820	\$180,940	\$11,329,46	\$117.40	\$18,369,271.46	\$228,948.26	\$15,483.33	\$113,673.21	\$559,835.88
				\$58.70	\$58.70	\$29.55	\$16.16	\$79.40	\$24.44	\$29.55
							\$29.25			\$49.40

	RESIDENTIAL									
H = G - D	Decoupling True-up Revenue	-\$72,376	\$16,435	-\$2,560	-\$42	-\$265,047	-\$36,504	-\$3,270	-\$12,352	-\$174,980
							-\$494,425			
							-\$2.58	-\$16.77	-\$2.66	-\$9.24
							-\$0.75			\$19.41

Decoupling True-up Revenue

\$550,362

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

	April 2019 Actual, Weather Normalized (from page 3)											
	NON-RESIDENTIAL						RESIDENTIAL					
A	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD		
	41,813,673	7,088,464	451,367	6,022	481,308,648	7,874,504	473,482	3,161,628	18,722,519	19,157		

	April 2019 Actual (from page 2)											
	NON-RESIDENTIAL						RESIDENTIAL					
B	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD		
	41,772	710	188	2	620,626	14,269	193	4,595	19,025	16		

	RESIDENTIAL											
	Note 1											
C	Distribution Rate (\$ per kWh)	\$0.038229	\$0.017638	\$0.020397	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482
D = A * C	2019 Distribution Revenue	\$1,598,495	\$125,026	\$9,207	\$123	\$15,152,559	\$247,905	\$14,906	\$98,534	\$589,422	\$589,422	\$369
D1	2019 Residential Distribution Revenue						\$16,114,025					
E = D / B	2019 Revenue Per Customer	\$38.27	\$176.09	\$48.97	\$61.42	\$24.41	\$17.37	\$77.23	\$21.66	\$30.98	\$30.98	\$23.07
E1 = D / B	2019 Residential Rev per Customer						\$24.46					

	RESIDENTIAL											
F	2019 Authorized Revenue Per Customer	41.48	253.77	58.70	58.70	29.55	16.16	79.40	24.44	29.55	29.55	49.40

	RESIDENTIAL											
G = (F * B)	2019 Authorized Revenue Adjusted For 2019 Customer Count	\$1,732,603	\$180,178	\$11,035.95	\$117.40	\$18,338,895.06	\$230,645.49	\$15,324.52	\$112,280.40	\$562,170.26	\$790.44	\$790.44
				\$58.70	\$58.70	\$29.55	\$16.16	\$79.40	\$24.44	\$29.55	\$29.55	\$49.40
							\$29.25					

	RESIDENTIAL											
H = G - D	Decoupling True-up Revenue	\$134,108	\$55,152	\$1,829	-\$5	\$3,186,336	-\$17,260	\$418	\$12,746	-\$27,252	\$421	\$421
				\$9.73	-\$2.71	\$5.13	\$3,157,234		\$2.17	\$2.77	-\$1.43	\$26.33
							-\$1.21					
							\$4.79					

Decoupling True-up Revenue

-\$3,345,494

DUKE ENERGY OHIO
CALCULATION OF RIDER DOR (DECOUPLING)

A	May 2019 Actual, Weather Normalized (from page 3)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	CUR	RSPP	RSLI	RSPP	TD
	39,902,814	5,599,568	327,241	3,253	417,838,840	6,490,345	457,698	2,499,395	14,638,734	14,815

B	May 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	CUR	RSPP	RSLI	RSPP	TD
	41,790	713	191	2	619,356	14,293	191	4,553	18,678	16

C	May 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	CUR	RSPP	RSLI	RSPP	TD
	39,902,814	5,599,568	327,241	3,253	417,838,840	6,490,345	457,698	2,499,395	14,638,734	14,815

F	May 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	CUR	RSPP	RSLI	RSPP	TD
	39,902,814	5,599,568	327,241	3,253	417,838,840	6,490,345	457,698	2,499,395	14,638,734	14,815

G	May 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	CUR	RSPP	RSLI	RSPP	TD
	39,902,814	5,599,568	327,241	3,253	417,838,840	6,490,345	457,698	2,499,395	14,638,734	14,815

H	May 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	CUR	RSPP	RSLI	RSPP	TD
	39,902,814	5,599,568	327,241	3,253	417,838,840	6,490,345	457,698	2,499,395	14,638,734	14,815

Decoupling True-up Revenue - Jan	\$6,306,752
Decoupling True-up Revenue - Feb	\$4,059,521
Decoupling True-up Revenue - Mar	\$550,362
Decoupling True-up Revenue - Apr	\$3,346,494
Decoupling True-up Revenue - May	\$5,599,587
Decoupling True-up Revenue - Jun	\$2,125,078
Decoupling True-up Revenue - Jul	\$3,541,050
Decoupling True-up Revenue - Aug	\$3,580,006
Decoupling True-up Revenue - Sept	\$1,167,209
Decoupling True-up Revenue - Oct	\$2,788,794
Decoupling True-up Revenue - Nov	\$4,702,356
Decoupling True-up Revenue - Dec	\$1,435,795
\$2,078,387 Over collected	

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

A	June 2019 Actual, Weather Normalized (from page 3)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	RS3P	CUR	RS3P	RS3P	TD
	44,468,939	102,680	354,544	3,322	517,243,067	6,238,920	485,767	2,910,511	16,737,458	17,882

B	June 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
	DM	EH	ORH	ORHP	RS	RS3P	CUR	RS3P	RS3P	TD
	41,153	6	186	2	616,062	14,222	185	4,483	18,512	16

C	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
	Distribution Rate (\$ per kWh)	\$0.017638	\$0.021801	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	Note 1
D = A * C	2019 Distribution Revenue	\$1,811	\$7,729	\$16,283,846	\$196,414	\$15,293	\$91,629	\$526,929	\$439	\$0.024545
D1	2019 Residential Distribution Revenue				\$17,122,351					
E = D / B	2019 Revenue Per Customer	\$38.30	\$41.56	\$26.43	\$13.81	\$82.66	\$20.44	\$28.46	\$27.43	
E1 = D / B	2019 Residential Rev per Customer			\$26.19						

F	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
	2019 Authorized Revenue Per Customer	41.48	58.70	29.55	16.16	79.40	24.44	29.55	49.40	

G = (F * B)	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
	2012 Authorized Revenue Adjusted For 2018 Customer Count	\$1,706,928	\$1,523	\$10,918.55	\$117.40	\$18,204,033.29	\$229,885.78	\$14,689.31	\$109,543.64	\$547,011.61
				\$58.70	\$58.70	\$29.55	\$16.16	\$79.40	\$24.44	\$29.55
							\$29.25			\$49.40

H = G - D	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
	Decoupling True-up Revenue	\$130,727	-\$288	\$3,189	\$45	\$1,920,187	\$33,472	-\$604	\$17,915	\$20,083
				\$17.15	\$22.49	\$3.12	\$1,994,639		\$4.00	\$1.08
							\$2.35	-\$3.26		\$21.97
							\$3.05			

Decoupling True-up Revenue

-\$2,125,078

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

	July 2019 Actual, Weather Normalized (from page 3)									
	NON-RESIDENTIAL					RESIDENTIAL				
A	DM	EH	ORH	ORHP	RS	RS3P	CUR	RS3P	RS3P	TD
	56,747,744	48,441	438,669	3,985	682,309,789	6,428,306	544,515	3,876,541	21,102,609	25,048

	July 2019 Actual (from page 2)									
	NON-RESIDENTIAL					RESIDENTIAL				
B	DM	EH	ORH	ORHP	RS	RS3P	CUR	RS3P	RS3P	TD
	42,236	8	191	2	619,394	14,287	192	4,461	18,417	16

	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
C	Distribution Rate (\$ per kWh)	\$0.017638	\$0.021801	\$0.021801	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	Note 1
D = A * C	2019 Distribution Revenue	\$854	\$9,563	\$86	\$21,480,477	\$202,376	\$17,142	\$122,041	\$664,352	\$0.024545
D1	2019 Residential Distribution Revenue					\$22,496,653				\$615
E = D / B	2019 Revenue Per Customer	\$47.62	\$106.80	\$50.07	\$34.68	\$14.17	\$89.28	\$27.36	\$36.07	\$38.43
E1 = D / B	2019 Residential Rev per Customer					\$34.24				

	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
F	2019 Authorized Revenue Per Customer	41.48	253.77	58.70	58.70	29.55	16.16	79.40	24.44	29.55

	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
G = (F * B)	2019 Authorized Revenue Adjusted For 2019 Customer Count	\$1,751,849	\$2,030	\$11,212.05	\$117.40	\$18,302,490.65	\$230,936.45	\$15,245.12	\$109,006.06	\$790.44
				\$58.70	\$58.70	\$29.55	\$16.16	\$79.40	\$24.44	\$29.55
							\$29.25			\$49.40

	RESIDENTIAL									
	NON-RESIDENTIAL					RESIDENTIAL				
H = G - D	Decoupling True-up Revenue	-\$259,575	\$1,176	\$1,649	\$31	-\$3,177,985	\$28,561	-\$1,897	-\$13,035	-\$120,148
							-\$3,282,651			
				\$8.63	\$15.48	-\$5.13	\$2.00	-\$9.88	-\$2.92	-\$6.52
							-\$5.00			\$10.98

Decoupling True-up Revenue

\$3,541,050

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

	August 2019 Actual, Weather Normalized (from page 3)										
	NON-RESIDENTIAL					RESIDENTIAL					
A	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD	
	55,821,732	-131,908	385,307	4,541	684,714,713	6,239,125	554,825	3,932,451	21,488,317	26,766	

	August 2019 Actual (from page 2)										
	NON-RESIDENTIAL					RESIDENTIAL					
B	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD	
	42,226	3	190	2	619,765	14,245	197	4,423	18,174	16	

	NON-RESIDENTIAL					RESIDENTIAL					
C											Notes 1
D = A * C	\$0.035445	\$0.017638	\$0.021801	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.024545	
D1	\$1,971,512	-\$2,327	\$8,400	\$99	\$21,556,189	\$196,420	\$17,470	\$123,801	\$676,495	\$657	
E = D / B	\$46.69	-\$775.53	\$44.21	\$49.50	\$34.78	\$22,579,532	\$88.68	\$27.99	\$37.22	\$41.06	
E1 = D / B						\$13.79	\$34.37				
											</

	RESIDENTIAL										
	NON-RESIDENTIAL					RESIDENTIAL					
F	41.48	253.77	58.70	58.70	29.55	16.16	79.40	24.44	29.55	49.40	

	RESIDENTIAL										
	NON-RESIDENTIAL					RESIDENTIAL					
G = (F * B)	\$1,751,434	\$761	\$11,153.35	\$117.40	\$18,313,453.34	\$230,257.56	\$15,642.13	\$108,077.52	\$537,024.03	\$790.44	
			\$58.70	\$58.70	\$29.55	\$19,216,516	\$79.40	\$24.44	\$29.55	\$49.40	
						\$29.25					

	RESIDENTIAL										
	NON-RESIDENTIAL					RESIDENTIAL					
H = G - D	-\$220,078	\$3,082	\$2,753	\$18	-\$3,242,735	\$33,837	-\$1,828	-\$15,724	-\$139,471	\$133	
			\$14.49	\$9.20	-\$5.23	-\$3,363,016	-\$9.28	-\$3.56	-\$7.67	\$8.34	
						-\$5.12					

Decoupling True-up Revenue

\$3,580,006

**DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)**

September 2019 Actual, Weather Normalized (from page 3)											
NON-RESIDENTIAL						RESIDENTIAL					
DM	EH	ORH	ORHP	RS	CUR	RS3P	RS3P	RS3P	RS3P	RS3P	TD
53,375,800	39,107	372,986	4,184	615,141,780	6,137,201	516,421	3,415,574	18,411,376	22,471		

A

September 2019 Actual (from page 2)											
NON-RESIDENTIAL						RESIDENTIAL					
DM	EH	ORH	ORHP	RS	CUR	RS3P	RS3P	RS3P	RS3P	RS3P	TD
42,343	4	191	2	621,404	14,284	197	4,369	17,330	16		

B

RESIDENTIAL											
NON-RESIDENTIAL											
Distribution Rate (\$ per kWh)	\$0.017638	\$0.021801	\$0.021801	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	Note 2
2019 Distribution Revenue	\$690	\$8,131	\$91	\$19,365,894	\$193,211	\$16,258	\$107,529	\$579,627	\$552	\$0.024545	
2019 Residential Distribution Revenue					\$20,271,293						
2019 Revenue Per Customer	\$44.68	\$172.44	\$45.61	\$31.16	\$13.53	\$82.53	\$24.61	\$33.45	\$34.47		
2019 Residential Rev per Customer					\$30.82						

C
D = A * C
D1
E = D / B
E1 = D / B

RESIDENTIAL											
NON-RESIDENTIAL											
2019 Authorized Revenue Per Customer	41.48	253.77	58.70	58.70	29.55	16.16	79.40	24.44	29.55	49.40	

F

RESIDENTIAL											
NON-RESIDENTIAL											
2019 Authorized Revenue Adjusted For 2019 Customer Count	\$1,756,287	\$1,015	\$11,212.05	\$117.40	\$18,361,884.20	\$230,887.96	\$15,642.13	\$106,758.01	\$512,084.66	\$790.44	
			\$58.70	\$58.70	\$29.55	\$16.16	\$79.40	\$24.44	\$29.55	\$49.40	
						\$29.25					

G = (F * B)

RESIDENTIAL											
NON-RESIDENTIAL											
Decoupling True-up Revenue	-\$135,618	\$325	\$3,081	\$26	-\$1,004,009	\$37,677	-\$616	-\$771	-\$67,542	\$239	
			\$16.13	\$13.09	-\$1.62	\$2.64	-\$3.13	-\$0.18	-\$3.90	\$14.93	
						-\$1.57					

H = G - D

Decoupling True-up Revenue
\$1,167,209

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

October 2019 Actual, Weather Normalized (from page 3)											
NON-RESIDENTIAL			RESIDENTIAL								
DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD		
44,508,090	5,480,939	299,373	3,574	506,806,082	5,488,900	478,370	2,824,707	15,574,990	19,646		

A

October 2019 Actual (from page 2)											
NON-RESIDENTIAL			RESIDENTIAL								
DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD		
42,163	699	190	2	624,506	14,286	201	4,337	17,283	16		

B

RESIDENTIAL											
NON-RESIDENTIAL											
Distribution Rate (\$ per kWh)											
2019 Distribution Revenue											
2019 Residential Distribution Revenue											
2019 Revenue Per Customer											
2019 Residential Rev per Customer											
Note 1											
\$0.036855											
\$1,640,791											
\$38.92											
\$0.020867											
\$6,247											
\$32.88											
\$0.031482											
\$0.031482											
\$0.031482											
\$15,955,269											
\$25.55											
\$37.29											
\$12.10											
\$74.93											
\$20.50											
\$28.37											
\$24.77											
\$25.32											

C

D = A * C

D1

2019 Residential Distribution Revenue

2019 Revenue Per Customer

2019 Residential Rev per Customer

F

2019 Authorized Revenue Per Customer

2019 Authorized Revenue Adjusted

For 2019 Customer Count

G = (F * B)

RESIDENTIAL											
NON-RESIDENTIAL											
\$1,748,821											
\$11,153.35											
\$58.70											
\$117.40											
\$18,453,545.28											
\$230,920.28											
\$15,959.74											
\$105,976.08											
\$510,695.85											
\$790.44											
\$19,329,158											
\$16.16											
\$79.40											
\$24.44											
\$29.55											
\$49.40											
\$29.25											

H = G - D

Decoupling True-up Revenue

Decoupling True-up Revenue

-\$2,788,794

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

November 2019 Actual, Weather Normalized (from page 3)												
KWh	NON-RESIDENTIAL				RESIDENTIAL							
	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD		
A	42,357,533	6,283,106	476,222	3,601	447,763,157	6,573,601	479,162	2,701,752	15,278,326	18,635		

November 2019 Actual (from page 2)												
No. Bills	NON-RESIDENTIAL				RESIDENTIAL							
	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD		
B	42,278	698	189	2	625,287	14,282	203	4,285	16,874	16		

RESIDENTIAL												
C	Distribution Rate (\$ per kWh)											Note 1
D = A * C	\$0.036855	\$0.017638	\$0.020867	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.020169	
D1	\$1,561,510	\$110,821	\$9,937	\$75	\$14,096,480	\$206,950	\$15,085	\$85,057	\$480,992	\$376		
E = D / B	\$36.93	\$158.77	\$52.58	\$37.57	\$22.54	\$14.49	\$74.31	\$19.85	\$28.50	\$23.49		
E1 = D / B						\$22.53						

NON-RESIDENTIAL												
F	2019 Authorized Revenue Per Customer	41.48	253.77	58.70	58.70	29.55	16.16	79.40	24.44	29.55	49.40	

RESIDENTIAL												
G = (F * B)	2019 Authorized Revenue Adjusted For 2019 Customer Count	\$1,753,591	\$177,133	\$11,094.65	\$117.40	\$18,476,623.07	\$230,855.63	\$16,118.54	\$104,705.44	\$498,610.30	\$790.44	
				\$58.70	\$58.70	\$29.55	\$19,338,915	\$79.40	\$24.44	\$29.55	\$49.40	
							\$29.25					

NON-RESIDENTIAL												
H = G - D	Decoupling True-up Revenue	\$192,080	\$66,312	\$1,157	\$42	\$4,380,143	\$23,906	\$1,034	\$19,649	\$17,618	\$415	
				\$6.12	\$21.13	\$7.01	\$4,443,964	\$5.09	\$4.59	\$1.04	\$25.91	
							\$6.72					

Decoupling True-up Revenue

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING)

	December 2019 Actual, Weather Normalized (from page 3)										
	NON-RESIDENTIAL					RESIDENTIAL					
A	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSI	RSPP	TD	
	50,427,826	8,685,528	713,360	6,891	623,474,341	8,571,712	683,895	3,769,370	21,415,314	24,884	

	December 2019 Actual (from page 2)										
	NON-RESIDENTIAL					RESIDENTIAL					
B	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSI	RSPP	TD	
	42,302	700	185	2	626,742	14,252	202	4,250	16,601	16	

	NON-RESIDENTIAL					RESIDENTIAL					
C	Distribution Rate (\$ per kWh)										
D = A * C	\$0.036865	\$0.017638	\$0.020867	\$0.020867	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.020169	Note 1
D1	\$1,859,022	\$153,195	\$14,886	\$144	\$19,628,219	\$269,855	\$21,524	\$118,667	\$674,197	\$501	
E = D / B	\$43.95	\$218.85	\$80.46	\$71.90	\$31.32	\$20,727,993	\$106.55	\$27.92	\$40.61	\$31.34	
E1 = D / B						\$18.93	\$106.55	\$27.92	\$40.61	\$31.34	
						\$31.30					

	RESIDENTIAL										
	NON-RESIDENTIAL					RESIDENTIAL					
F	41.48	253.77	58.70	58.70	29.55	16.16	79.40	24.44	29.55	49.40	

	RESIDENTIAL										
	NON-RESIDENTIAL					RESIDENTIAL					
G = (F * B)	\$1,754,586	\$177,641	\$10,859.84	\$117.40	\$18,519,616.91	\$230,370.70	\$16,039.14	\$103,850.20	\$490,543.41	\$790.44	
			\$58.70	\$58.70	\$29.55	\$19,372,188	\$79.40	\$24.44	\$29.55	\$49.40	
						\$29.25					

	RESIDENTIAL										
	NON-RESIDENTIAL					RESIDENTIAL					
H = G - D	-\$104,436	\$24,445	-\$4,026	-\$26	-\$1,108,602	-\$39,484	-\$5,485	-\$14,817	-\$183,654	\$289	
			-\$21.76	-\$13.20	-\$1.77	-\$1,355,805	-\$27.15	-\$3.49	-\$11.06	\$18.06	
						-\$2.05					

\$1,435,795

Decoupling True-up Revenue

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING) RATES
ACTUAL CUSTOMER COUNTS

Sum of CUSTOMERS	RATECODE	DM	EH	ORH	ORHP	RS	RS01	RS3P	RSLI	RSPP	TD	TD01	Grand Total
MONTH													
Jan-19		41,639	710	193	193	2	620,510	14,290	189	4,739	18,618	17	700,907
Feb-19		41,650	714	193	193	2	622,015	14,312	193	4,700	18,865	16	702,660
Mar-19		41,729	713	193	193	2	621,654	14,164	195	4,652	18,946	17	702,265
Apr-19		41,772	710	188	188	2	620,626	14,269	193	4,595	19,025	16	701,386
May-19		41,790	713	191	191	2	619,356	14,293	191	4,553	18,678	16	699,783
Jun-19		41,153	6	186	186	2	616,062	14,222	185	4,483	18,512	16	694,827
Jul-19		42,236	8	191	191	2	619,394	14,287	192	4,461	18,174	16	699,204
Aug-19		42,226	3	190	190	2	619,765	14,245	197	4,423	18,417	16	699,241
Sep-19		42,343	4	191	191	2	621,404	14,284	201	4,369	17,330	16	700,140
Oct-19		42,163	699	190	190	2	624,506	14,286	201	4,337	17,283	16	703,683
Nov-19		42,278	698	189	189	2	625,287	14,282	203	4,285	16,874	16	704,114
Dec-19		42,302	700	185	185	2	626,742	14,252	202	4,250	16,601	16	705,252

Source: Duke Energy Ohio Revenue Reports

DUKE ENERGY OHIO
CALCULATION OF RIDER DOR (DECOUPLING) RATES
ACTUAL USAGE WEATHER NORMALIZED - JANUARY - DECEMBER

Weather Normal ORH	ORHP	RS	RS01	RS3P	RS1	RSP	RS1	RSP	TD	TD01	TD02	TD03	TD04	TD05	TD06	TD07	TD08	TD09
Jan-19	962,491	8,064	757,302,875	10,510,907	743,621	5,161,530	28,344,550	32,667										
Feb-19	803,003	10,298	693,906,989	9,014,486	707,218	4,716,424	26,429,141	29,141										
Mar-19	680,941	7,833	591,903,897	8,431,890	595,680	4,003,086	23,340,815	26,465										
Apr-19	451,367	6,022	481,308,646	7,874,504	473,482	3,161,628	18,772,519	19,157										
May-19	327,241	3,253	417,638,840	6,490,345	457,696	2,499,395	14,636,734	14,315										
Jun-19	354,544	3,322	517,243,067	6,238,920	485,767	2,510,511	16,737,458	17,882										
Jul-19	438,669	3,965	682,389,789	6,428,306	544,515	3,876,541	21,102,609	25,048										
Aug-19	385,307	4,541	684,714,713	6,239,125	554,925	3,931,451	21,488,317	26,766										
Sep-19	297,986	4,184	615,141,780	6,137,201	516,421	3,415,574	18,411,376	22,471										
Oct-19	299,373	3,574	506,806,092	5,488,900	478,370	2,824,707	15,574,990	19,646										
Nov-19	476,222	3,601	447,763,157	6,573,601	479,162	2,701,752	15,276,325	18,635										
Dec-19	713,360	6,891	623,474,341	8,571,712	683,695	3,769,370	21,415,314	24,864										
Total	6,286,504	65,548	7,019,514,186	87,969,897	8,720,552	42,972,989	241,482,148	277,557										

Weather Normal DM		Weather Normal EH	
Jan-19	52,804,401	Jan-19	10,435,290
Feb-19	50,698,427	Feb-19	10,881,206
Mar-19	47,168,253	Mar-19	9,326,502
Apr-19	41,813,673	Apr-19	7,088,464
May-19	39,902,814	May-19	5,599,586
Jun-19	44,468,939	Jun-19	102,680
Jul-19	56,747,744	Jul-19	48,441
Aug-19	55,621,732	Aug-19	(131,908)
Sep-19	53,375,800	Sep-19	39,107
Oct-19	44,506,090	Oct-19	5,480,939
Nov-19	42,357,533	Nov-19	6,283,106
Dec-19	50,427,826	Dec-19	8,685,529
Total	579,896,232		63,838,942

**DUKE ENERGY OHIO
BASE DISTRIBUTION RATES**

Actual	DM	EH	ORH	ORHP	RS	CUR	RS3P	RSLI	RSPP	TD
Jan-Apr 2013	\$0.024159	\$0.014329	\$0.015774	\$0.015774	\$0.022126	\$0.022126	\$0.022126	\$0.022126	\$0.022126	\$0.012843
May-13	\$0.028440	\$0.016478	\$0.024191	\$0.024191	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.020671
Jun-Sept 2013	\$0.034784	\$0.016478	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.029541
Oct-Dec 2013	\$0.026117	\$0.016478	\$0.018822	\$0.018822	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.020315
Jan-May 2014	\$0.025712	\$0.016478	\$0.017359	\$0.017359	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.016714
Jun-Sept 2014	\$0.034738	\$0.016478	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.021369
Oct-Dec 2014	\$0.026088	\$0.016478	\$0.019055	\$0.019055	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.016558
Jan-May 2015	\$0.025715	\$0.016478	\$0.017620	\$0.017620	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.019217
Jun-Sept 2015	\$0.035147	\$0.016478	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.021361
Oct-Dec 2015	\$0.026277	\$0.016478	\$0.020723	\$0.020723	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.016407
Jan-May 2016	\$0.026298	\$0.016478	\$0.018819	\$0.018819	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.019140
Jun-Sept 2016	\$0.034316	\$0.016478	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.023051
Oct-Dec 2016	\$0.026175	\$0.016478	\$0.020364	\$0.020364	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.018237
Jan-May 2017	\$0.026343	\$0.016478	\$0.019237	\$0.019237	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.017459
Jun-Sept 2017	\$0.035308	\$0.016478	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.020953
Oct-Dec 2017	\$0.026585	\$0.016478	\$0.019437	\$0.019437	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.017569
Jan-May 2018	\$0.026053	\$0.016478	\$0.018012	\$0.018012	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.016630
Jun-Sept 2018	\$0.035453	\$0.016478	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.021091
Oct-Dec 2018	\$0.026338	\$0.016478	\$0.019084	\$0.019084	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.025342	\$0.017216
Jan-May 2019	\$0.038229	\$0.017638	\$0.020397	\$0.020397	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.019267
Jun-Sept 2019	\$0.035445	\$0.017638	\$0.021801	\$0.021801	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.024545
Oct-Dec 2019	\$0.036865	\$0.017638	\$0.020867	\$0.020867	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.031482	\$0.020169

Per Jim Riddle, these rates have a seasonal component whereas the summer months are higher than the winter months.

DUNE ENERGY OHIO
CASE NO. 17-0032-EL-AIR
PROPOSED
ANNUALIZED CLASS AND SCHEDULE REVENUE SUMMARY (1)
(ELECTRIC SERVICE)

DATA 8 MONTHS ACTUAL & 4 MONTHS ESTIMATED
TYPE OF FILING: X ORIGINAL _____ UPDATED _____ REVISED
WORK PAPER REFERENCE NO(S):

SCHEDULE E-4
PAGE 1 OF 2
WITNESS
J. A. RIDOLE

LINE NO	RATE CODE (A)	CLASS / DESCRIPTION (B)	CUSTOMER BILLS (C)	SALES (D)	PROPOSED ANNUALIZED				% OF REVENUE TO TOTAL REVENUE (G)	PROPOSED REVENUE TOTAL (I)
					(RW1)	(RW1)	(B)	(B)		
1	RS	RESIDENTIAL SERVICE								
2	ORH	RESIDENTIAL SERV	7,552,826	7,089,124,590	3,787,430	268,486,823	97.75	268,486,823		
3	TD	OPTIONAL HEATING SERVICE	2,368	5,884,608	2,803,941	153,214	0.06	153,214		
4	CLR	OPTIONAL TIME OF DAY	216	275,369	5,080,432	14,019	0.01	14,019		
5	RSP	COMMON USE RESIDENTIAL SERVICE	170,162	87,369,296	4,318,768	3,771,487	1.37	3,771,487		
6	RSU	RESIDENTIAL THREE-PHASE SERVICE	2,156	5,437,726	3,465,236	188,516	0.07	188,516		
7	RSU	RESIDENTIAL SERVICE-LOW INCOME	78,088	60,600,772	3,405,858	2,084,263	0.75	2,084,263		
8		TOTAL RESIDENTIAL	7,805,819	7,248,700,405	3,789,481	274,688,142	58.72	274,688,142		
9	DS	DISTRIBUTION VOLTAGE SERVICE								
10	DS RTP	SEC DISTRIBUTION SERV	225,439	8,538,814,808	1,803,979	117,890,636	68.23	117,890,636		
11	GSFL	UNMTRD SMALL FXED LOAD	24	1,888,828	2,037,093	34,403	0.02	34,403		
12	EW	ELEC SPACE HTG	4,411	20,875,157	2,234,836	663,191	0.39	663,191		
13	DM	SEC DIST SERV-SMALL	4,298	81,811,389	2,012,917	1,244,212	0.74	1,244,212		
14	DP	PRM DIST VOLTAGE	489,282	562,307,538	4,818,186	25,972,104	15.40	25,972,104		
15	DP RTP	PRM DIST VOLTAGE RTP	3,216	2,176,294,577	1,036,150	22,549,579	13.37	22,549,579		
16	SFL ADPL	OPT UNMTRD SM FX LD ATTACH DIRECTLY PWR LINE	24	11,151,143	2,414,147	269,205	0.16	269,205		
17		TOTAL DISTRIBUTION	728,704	9,381,975,553	17,699,772	188,694,870	36.95	188,694,870		
18	TS	TRANSMISSION VOLTAGE SERVICE								
19	TS RTP	TRANSMISSION SERV	348	3,285,405,582	0,001,826	60,000	88.50	60,000		
20	TS RTP	TRANSMISSION SERV RTP	24	170,272,747	0,004,587	7,800	11.50	7,800		
21		TOTAL TRANSMISSION	372	3,455,678,329	0,006,413	67,800	0.01	67,800		
22		LIGHTING SERVICE								
23	SL	STREET LIGHTING	488,036	37,328,354	14,285,037	5,332,369	61.48	5,332,369		
24	TL	TRAFFIC LIGHTING	386,062	13,158,928	0,940,971	124,927	1.44	124,927		
25	OL	OUTDOOR LIGHTING	197,355	20,287,810	10,229,745	2,965,679	24.16	2,965,679		
26	NSU	NON STD STREET LIGHTING	20,460	954,026	11,986,294	114,446	1.32	114,446		
27	NSP	NON STD POL'S	23,858	1,317,284	23,008,283	303,083	3.49	303,083		
28	SC	S L - CUST OWNED	3,336	17,468,422	0,820,780	108,437	1.25	108,437		
29	SE	S L - OVERHEAD EQUIV	77,016	4,829,947	9,959,177	480,057	5.53	480,057		
30	UOLS	UNMETERED OUTDOOR LIGHTING	12,702	18,658,876	0,811,851	114,128	1.32	114,128		
31		TOTAL LIGHTING	1,218,852	114,003,420	7,697,785	8,873,136	1.86	8,873,136		
32		TOTAL RETAIL	9,781,715	20,200,958,088		452,123,748	95.65	452,123,748		
33		OTHER MISCELLANEOUS REVENUE								
34		INTERDEPARTMENTAL	12	3,718,928	7,909,947	296,058	1.89	296,058		
35		BAD CHECK CHARGES	0	0	0	220,280	1.41	220,280		
36		LATE PAYMENT CHARGES	0	0	0	0	0.00	0		
37		RECONNECTION CHARGES	0	0	0	1,482,046	9.47	1,482,046		
38		RENTS	0	0	0	8,724,514	55.74	8,724,514		
39		POLE CONTACT RENTALS	0	0	0	2,272,615	14.52	2,272,615		
40		INTERCOMPANY	0	0	0	0	0.00	0		
41		SPECIAL CONTRACTS	24	359,127	5,185,353	18,422	0.12	18,422		
42		OTHER MSC	0	0	0	2,637,819	18.85	2,637,819		
43		TOTAL MSC	36	4,078,055	383,899,001	15,851,834	3.35	15,851,834		
44		TOTAL COMPANY	9,781,751	20,204,936,141	2,315,155	467,775,882	100.00	467,775,882		

PROPOSED TOTAL
REVENUE
EXCL CUST CHG

223,178,867	Revenue/customer check	45,316,956	45,316,956
139,006	88.7810881	14,208	14,208
10,871	48.4627776	3,348	3,348
2,750,515	16.1640968	1,020,872	1,020,872
171,180	78.6018898	18,328	18,328
1,508,107	34.6383422	158,178	158,178
1,080,208	253.7734664	154,008	154,008
20,709,028	41.4776179	5,263,076	5,263,076

NOTE: DETAIL CONTAINED ON SCHEDULES E-4.1 PAGES 1 THROUGH 54
(1) FOR THE TWELVE MONTHS ENDED MARCH 31, 2017
(2) THE NUMBER OF UNITS IS USED FOR DESIGNING LIGHTING RATES (NOT THE NUMBER OF BILLS)

DUKE ENERGY OHIO
RIDER DOR REVENUES
JUNE 2013 - DECEMBER 2018

Sum of DIST DECOUPL	Column Labels							
Row Labels	DM	EH	OR	RS	CUR	TD	Grand Total	
1/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
2/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
5/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
6/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
7/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
8/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
9/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
10/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
11/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
12/1/2012		\$0	\$0	\$0	\$0	\$0	\$0	\$0
1/1/2013		\$0	\$0	\$0	\$0	\$0	\$0	\$0
2/1/2013		\$0	\$0	\$0	\$0	\$0	\$0	\$0
3/1/2013		\$0	\$0	\$0	\$0	\$0	\$0	\$0
4/1/2013		\$0	\$0	\$0	\$0	\$0	\$0	\$0
5/1/2013		\$0	\$0	\$0	\$0	\$0	\$0	\$0
6/1/2013		\$2	\$0	\$0	\$39	\$0	\$37	
7/1/2013		\$116,358	\$7	\$332	\$504,291	\$480	\$388,752	
8/1/2013		\$109,549	\$7	\$294	\$467,712	\$501	\$358,965	
9/1/2013		\$113,107	\$7	\$296	\$489,557	\$603	\$377,356	
10/1/2013		\$94,470	\$4,227	\$237	\$340,841	\$341	\$251,175	
11/1/2013		\$91,934	\$4,746	\$357	\$350,554	\$482	\$264,206	
12/1/2013		\$107,501	\$6,808	\$633	\$496,877	\$663	\$397,480	
1/1/2014		\$120,006	\$8,639	\$777	\$603,549	\$786	\$493,746	
2/1/2014		\$117,003	\$9,079	\$788	\$587,830	\$726	\$481,420	
3/1/2014		\$104,547	\$7,383	\$605	\$489,873	\$616	\$393,931	
4/1/2014		\$95,614	\$5,127	\$362	\$367,985	\$481	\$278,341	
5/1/2014		\$90,060	\$3,969	\$274	\$316,580	\$418	\$231,180	
6/1/2014		\$104,120	\$350	\$293	\$413,471	\$544	\$310,538	
7/1/2014		\$60,055	\$49	\$74	\$113,573	\$153	\$53,794	
8/1/2014		\$56,193	\$7	\$66	\$101,440	\$128	\$45,447	
9/1/2014		\$59,316	\$16	\$72	\$112,211	\$142	\$53,092	
10/1/2014		\$46,693	\$4,036	\$54	\$73,700	\$93	\$31,189	
11/1/2014		\$45,958	\$4,586	\$82	\$79,272	\$94	\$38,076	
12/1/2014		\$57,986	\$7,387	\$141	\$117,129	\$127	\$66,799	
1/1/2015		\$61,667	\$8,526	\$169	\$133,611	\$141	\$80,780	
2/1/2015		\$58,855	\$8,441	\$173	\$123,696	\$116	\$73,570	
3/1/2015		\$57,542	\$7,945	\$146	\$121,316	\$123	\$71,989	
4/1/2015		\$48,539	\$4,721	\$76	\$82,285	\$90	\$38,633	
5/1/2015		\$47,857	\$4,188	\$54	\$76,225	\$80	\$32,690	
6/1/2015		\$55,643	\$46	\$66	\$97,451	\$92	\$42,011	
7/1/2015		\$12,275	\$55	\$33	\$56,560	\$53	\$68,868	
8/1/2015		\$12,093	\$43	\$33	\$59,293	\$55	\$71,432	
9/1/2015		\$11,992	\$46	\$33	\$54,939	\$50	\$66,969	
10/1/2015		\$9,781	\$4,343	\$26	\$39,330	\$35	\$44,829	
11/1/2015		\$9,202	\$4,399	\$33	\$36,942	\$31	\$41,808	
12/1/2015		\$10,370	\$6,043	\$48	\$49,181	\$39	\$53,594	
1/1/2016		\$11,519	\$7,555	\$71	\$61,091	\$45	\$65,171	
2/1/2016		\$11,203	\$8,140	\$71	\$57,778	\$40	\$60,953	
3/1/2016		\$10,096	\$6,072	\$47	\$47,227	\$35	\$51,333	
4/1/2016		\$9,598	\$5,054	\$36	\$40,161	\$31	\$44,772	
5/1/2016		\$8,577	\$4,162	\$27	\$35,463	\$28	\$39,933	
6/1/2016		\$10,866	\$135	\$33	\$49,609	\$2	\$60,376	
7/1/2016		\$12,438	\$23	\$37	\$62,650	\$3	\$75,150	
8/1/2016		\$13,160	\$13	\$39	\$69,156	\$3	\$82,371	
9/1/2016		\$11,491	\$23	\$51	\$87,549	\$3	\$76,089	
10/1/2016		\$8,872	\$4,790	\$38	\$61,361	\$2	\$57,319	
11/1/2016		\$7,958	\$4,652	\$45	\$51,341	\$2	\$48,081	
12/1/2016		\$9,609	\$7,231	\$83	\$74,621	\$3	\$72,329	
1/1/2017		\$10,699	\$8,667	\$101	\$89,126	\$1,149	\$4	\$88,349
2/1/2017		\$9,081	\$6,983	\$71	\$68,268	\$965	\$3	\$67,210
3/1/2017		\$8,652	\$6,131	\$64	\$62,083	\$916	\$2	\$60,544
4/1/2017		\$8,272	\$4,993	\$47	\$54,533	\$863	\$2	\$52,165
5/1/2017		\$8,072	\$4,444	\$39	\$51,655	\$766	\$2	\$48,833
6/1/2017		\$9,415	\$4	\$42	\$66,614	\$784	\$3	\$58,032
7/1/2017		\$10,563	\$0	\$52	\$82,519	\$802	\$3	\$72,813
8/1/2017		\$10,439	\$7	\$48	\$80,525	\$769	\$3	\$70,900
9/1/2017		\$9,536	\$0	\$41	\$67,898	\$755	\$3	\$59,160
10/1/2017		\$8,769	\$4,736	\$37	\$59,175	\$722	\$2	\$55,902
11/1/2017		\$8,175	\$5,120	\$54	\$56,339	\$800	\$2	\$54,141
12/1/2017		\$9,336	\$6,952	\$88	\$73,675	\$987	\$3	\$72,368
1/1/2018		\$11,547	\$10,161	\$136	\$103,692	\$1,229	\$4	\$103,675
2/1/2018		\$10,005	\$8,039	\$87	\$79,300	\$1,065	\$4	\$78,489
3/1/2018		\$8,937	\$6,494	\$67	\$66,152	\$950	\$3	\$64,730
4/1/2018		\$9,128	\$6,228	\$66	\$65,488	\$956	\$3	\$63,614
5/1/2018		\$8,390	\$4,922	\$43	\$55,941	\$790	\$2	\$53,309
6/1/2018		\$10,482	\$10	\$48	\$78,437	\$784	\$3	\$68,798
7/1/2018		\$11,521	\$8	\$54	\$91,225	\$814	\$3	\$80,583
8/1/2018		\$10,770	\$0	\$48	\$82,141	\$773	\$3	\$72,195
9/1/2018		\$11,153	\$3	\$49	\$84,321	\$808	\$3	\$74,032
10/1/2018		\$9,355	\$4,836	\$43	\$65,972	\$763	\$3	\$62,261
11/1/2018		\$8,381	\$5,188	\$60	\$59,365	\$818	\$2	\$57,053
12/1/2018		\$10,017	\$7,483	\$92	\$79,729	\$1,039	\$3	\$78,329
1/1/2019		\$10,474	\$7,945	\$105	\$85,994	\$1,137	\$4	\$84,711
2/1/2019		\$10,320	\$8,438	\$95	\$85,156	\$1,058	\$3	\$84,431
3/1/2019		\$9,626	\$7,249	\$82	\$74,202	\$1,009	\$3	\$72,920
4/1/2019		\$8,495	\$5,474	\$52	\$57,028	\$891	\$2	\$54,952
5/1/2019		\$8,152	\$4,368	\$38	\$50,449	\$751	\$2	\$47,456
6/1/2019		\$9,127	\$80	\$42	\$63,627	\$738	\$2	\$55,363
7/1/2019		\$11,808	\$38	\$55	\$89,120		\$3	\$77,410
8/1/2019		\$11,604	\$105	\$48	\$88,726		\$3	\$77,069
9/1/2019		\$114,274	\$33	\$700	\$1,200,445	\$39	\$1,315,491	
10/1/2019		\$103,329	\$5,183	\$601	\$1,051,310	\$40	\$1,160,463	
11/1/2019		\$89,290	\$5,435	\$857	\$845,386	\$34	\$941,002	
12/1/2019		\$106,398	\$7,509	\$1,268	\$1,156,623	\$44	\$1,271,842	
Grand Total		\$2,008,690	\$315,970	\$11,497	\$12,788,797	\$26,651	\$7,827	\$11,142,051

Note: Rate CUR revenues included in RS column until January 2017 and after June 2019.

DUKE ENERGY OHIO
CALCULATION OF RIDER DDR (DECOUPLING) RATES
CALCULATION OF THREE PERCENT CAP BASED ON JANUARY 2019 THROUGH DECEMBER 2019 DISTRIBUTION REVENUES

	<u>Sum of DISTRIBUTION</u>	<u>Sum of OHIO EXC TAX</u>	<u>Sum of UNIV SERVICE</u>	<u>Sum of DCI old DEMAND</u>	<u>Sum of RIDER EE</u>	<u>Sum of INFRA MOD</u>
DM	\$26,758,820	\$2,659,176	\$399,516	\$2,740,918	\$1,846,129	\$148,432
EH	\$1,278,877	\$250,627	\$43,525	\$126,435	\$172,481	\$1,842
OR	\$161,337	\$28,559	\$4,342	\$16,210	\$10,914	\$346
RS	\$281,627,842	\$34,727,851	\$5,096,970	\$28,812,861	\$11,413,983	\$1,530,445
CUR	\$1,990,576	\$218,548	\$32,367	\$178,210	\$67,183	\$33,893
TD	<u>\$9,028</u>	<u>\$1,320</u>	<u>\$195</u>	<u>\$929</u>	<u>\$447</u>	<u>\$44</u>
Grand Total	\$311,826,480	\$37,886,082	\$5,576,916	\$31,875,563	\$13,511,136	\$1,715,002

Total Residential (OR, RS, TD)
Total DM
Total EH

\$365,964,401
\$34,552,991
\$1,873,787

3% of Total Residential (OR, RS, TD)
3% of Total DM
3% of Total EH

\$10,978,932
\$1,036,590
\$56,214

TO PAGE 1

Fall 2019

	RES_B_Meter	COM_B_Meter	IND_B_Meter	OPA_B_Meter	SL_B_Meter
Jan-20	761,825,519	562,263,275	414,024,023	124,487,145	7,848,733
Feb-20	739,408,836	519,916,649	393,523,417	95,251,599	7,849,927
Mar-20	591,763,942	490,394,955	402,519,888	73,754,567	7,850,825
Apr-20	497,144,385	486,486,936	406,739,972	106,057,143	7,851,027
May-20	432,568,079	484,947,701	421,897,654	76,569,347	7,849,944
Jun-20	536,222,188	542,867,254	419,895,254	96,765,135	7,831,294
Jul-20	694,751,684	590,795,285	444,904,370	106,334,683	7,822,984
Aug-20	722,911,867	599,188,067	444,841,105	95,044,988	7,820,886
Sep-20	679,392,403	592,894,328	430,752,436	117,406,106	7,817,854
Oct-20	513,958,482	525,521,208	427,057,426	109,964,744	7,838,243
Nov-20	464,611,237	482,160,520	414,902,553	92,348,718	7,837,836
Dec-20	634,076,172	537,451,703	414,250,254	116,063,395	7,837,563
Jan-21	775,814,580	572,478,221	421,862,977	124,505,806	7,837,460
Feb-21	705,844,010	512,954,439	380,065,567	96,646,043	7,837,681
Mar-21	599,722,700	483,382,638	391,009,940	70,496,718	7,838,323
Apr-21	494,783,355	485,963,620	400,261,612	104,944,037	7,839,363
May-21	430,364,378	484,498,759	415,377,288	75,506,640	7,840,677
Jun-21	533,943,793	543,029,661	413,429,213	95,948,455	7,826,106
Jul-21	695,018,487	590,891,900	438,458,181	105,796,685	7,822,770
Aug-21	723,746,766	599,565,890	438,571,800	94,714,142	7,825,493
Sep-21	680,793,886	593,699,046	424,799,829	117,347,512	7,826,192
Oct-21	510,794,430	526,731,606	421,381,986	110,200,317	7,849,510
Nov-21	461,778,505	483,594,290	409,553,905	92,741,984	7,851,758
Dec-21	630,701,386	539,366,848	408,905,936	116,678,039	7,854,245

	DM	EH
Jan-20	53,335,334	11,695,247
Feb-20	50,680,417	10,908,845
Mar-20	46,200,111	8,409,800
Apr-20	42,268,708	7,315,705
May-20	39,047,867	4,788,293
Jun-20	46,038,835	
Jul-20	54,491,322	
Aug-20	56,346,323	
Sep-20	54,081,292	
Oct-20	47,693,770	5,707,284
Nov-20	41,810,736	6,127,621
Dec-20	52,055,898	9,617,002
Jan-21	54,237,001	11,795,603
Feb-21	50,059,795	10,903,068
Mar-21	45,458,413	8,186,216
Apr-21	42,184,279	7,271,399
May-21	38,976,848	4,750,976
Jun-21	46,007,949	
Jul-21	54,468,890	
Aug-21	56,356,191	
Sep-21	54,132,354	
Oct-21	47,779,405	5,719,694
Nov-21	41,924,015	6,149,757
Dec-21	52,227,177	9,659,533

Duke Energy Ohio
139 East Fourth Street
Cincinnati, Ohio 45202

P.U.C.O. Electric No. 19
Sheet No. 122.6
Cancels and Supersedes
Sheet No. 122.5

RIDER DDR

DISTRIBUTION DECOUPLING RIDER

APPLICABILITY

Applicable to all customers taking service under the Company's rate schedules listed below.

DECOUPLING RIDER RATES

As a three-year pilot program or until the Company's next distribution rate case, applicable customers shall be assessed a monthly charge or credit which reflects an adjustment to rates that will effectively remove Duke Energy Ohio's distribution-related through-put incentive.

CHARGES/CREDITS

Beginning July 1, 2020, the following Rider DDR rates apply:

<u>Tariff Sheet</u>	<u>DDR Charge/Credit</u> (Per kWh)
Rates RS, RS3P, RSLI, Residential Service	
All kWh	\$0.000809
Rate ORH, Optional Residential Service With Electric Space Heating	
All kWh	\$0.000809
Rate TD, Optional Time-of-Day Rate	
All kWh	\$0.000809
Rate CUR, Common Use Residential Service	
All kWh	\$0.000809
Rate EH, Optional Rate For Electric Space Heating	
All kWh	\$0.000873
Rate DM, Secondary Distribution Service, Small	
All kWh	\$0.000613

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 an Order dated ____ in Case No. 11-5905-EL-RDR before the Public Utilities Commission of Ohio.

Issued:

Issued by Amy B. Spiller, President

Effective:

Duke Energy Ohio
139 East Fourth Street
Cincinnati, Ohio 45202

P.U.C.O. Electric No. 19
Sheet No. 122:56
Cancels and Supersedes
Sheet No. 122:45

RIDER DDR

DISTRIBUTION DECOUPLING RIDER

APPLICABILITY

Applicable to all customers taking service under the Company's rate schedules listed below.

DECOUPLING RIDER RATES

As a three-year pilot program or until the Company's next distribution rate case, applicable customers shall be assessed a monthly charge or credit which reflects an adjustment to rates that will effectively remove Duke Energy Ohio's distribution-related through-put incentive.

CHARGES/CREDITS

Beginning ~~August 29, 2019~~ July 1, 2020, the following Rider DDR rates apply:

<u>Tariff Sheet</u>	<u>DDR Charge/Credit</u> (Per kWh)
Rates RS, RS3P, RSLI, Residential Service	
All kWh	\$0. 001744 <u>000809</u>
Rate ORH, Optional Residential Service With Electric Space Heating	
All kWh	\$0. 001744 <u>000809</u>
Rate TD, Optional Time-of-Day Rate	
All kWh	\$0. 001744 <u>000809</u>
Rate CUR, Common Use Residential Service	
All kWh	\$0. 001744 <u>000809</u>
Rate EH, Optional Rate For Electric Space Heating	
All kWh	\$0. 000862 <u>000873</u>
Rate DM, Secondary Distribution Service, Small	
All kWh	\$0. 002097 <u>000613</u>

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 an Order dated ~~June 5, 2019~~ _____ in Case No. 11-5905-EL-RDR before the Public Utilities Commission of Ohio.

Issued: ~~August 29, 2019~~

Issued by Amy B. Spiller, President

Effective: ~~August 29, 2019~~

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Case No(s). 11-5905-EL-RDR

Summary: Application Duke Energy Ohio, Inc.'s Application To Adjust and Set Rider DDR electronically filed by Mrs. Tammy M Meyer on behalf of Duke Energy Ohio Inc. and D'Ascenzo, Rocco and Vaysman, Larisa