BEFORE THE

PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
Duke Energy Ohio, Inc., to Adjust)	
Rider AU for 2016 Gas Grid)	Case No. 17-690-GA-RDR
Modernization Costs.	

MOTION OF DUKE ENERGY OHIO, INC. TO AMEND RIDER-AU FOR 2016 GRID MODERNIZATION COSTS AND REQUEST FOR EXPEDITED TREATMENT

Comes now Duke Energy Ohio, Inc., (Duke Energy or the Company) and moves to file a motion to amend its approved Rider-AU tariffs and rate calculation in the above-captioned proceeding. The reasons supporting this motion are set forth in the attached memorandum in support.

Respectfully submitted,

DUKE ENERGY OHIO, INC.

Elizabeth H. Watts Dec.
Rocco B. Ascenzo (0077651)

Deputy General Counsel

Elizabeth H. Watts (0031092)

Associate General Counsel

139 E. Fourth Street, 1303-Main

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MEMORANDUM IN SUPPORT

On March 24, 2017, Duke Energy filed an application (Application) with the Public Utilities Commission of Ohio (Commission) to adjust its advanced utility rider (Rider AU) to allow for recovery of 2016 costs for the deployment of its grid modernization and related systems. Rider AU was originally submitted for approval in Case Nos. 07-589-GA-AIR, et al., (Gas Distribution Case). Duke Energy Ohio also requested such tariff approval and accounting authority as would be required for recovery.

The terms of such riders was approved by the Commission in its Finding and Order (Order) filed in this proceeding on October 11, 2017. The Order authorized Duke Energy Ohio to file the tariff for the approved rates in final form, to be effective on a bills-rendered basis beginning April 2018.

The Tax Cuts and Jobs Act of 2017 (TCJA) was passed subsequent to the Commission Order approving the tariff but before the April 2018 tariff filing deadline. Duke Energy Ohio respectfully requests authority to amend the Rider AU tariff and schedules detailing the calculation of Rider AU that were approved in the Commission order in order to recognize the recently enacted TCJA. The amended tariff is included with this Motion in red-line and final form. The attached amended schedule PAL-1 adjusts the new rates as compared to last year's rates and also includes changes to recognize TCJA. Wherefore, Duke Energy Ohio respectfully requests that the Commission grant its motion to amend the approved Rider AU tariff and approve the amended schedule PAL-1 for the approved rates, to be effective on a bills-rendered basis beginning April 2018.

Respectfully submitted,

DUKE ENERGY OHIO, INC.

Elysbell Watt DA Rocco D'Ascenzo (0077651)

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CERTIFICATE OF SERVICE

I hereby certify that a true and accurate copy of the foregoing Motion of Duke Energy Ohio, Inc. was delivered by U.S. mail (postage prepaid), personal, or electronic mail, on this 20th day of February, 2018, to the following parties.

Elizabeth H. Watts

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PUCO Case No. 17-690-GA-RDR Attachment A Page 1 of 1

RIDER AU

ADVANCED UTILITY RIDER

APPLICABILITY

Applicable to all customers receiving service under the Company's sales and transportation rate schedules.

The charges for the respective gas service schedules are:

Rate RS and RSLI, Residential Service	\$.73/month
Rate RFT and RFTLI, Residential Firm Transportation Service	\$.73/month
Rate GS-S and GS-L, General Service	\$.73/month
Rate DGS, Distributed Generation Service	\$.73/month
Rate FT-S and FT-L, Firm Transportation Service	\$.73/month
Rate IT, Interruptible Transportation Service	\$.73/month
Rate GGIT, Spark Spread Interruptible Transportation Rate	\$.73/month

The credit to be given to Duke's gas only customers for the respective gas service schedules are:

Rate RS and RSLI, Residential Service	(\$.40/month)
Rate RFT and RFTLI, Residential Firm Transportation Service	(\$.40/month)
Rate GS-S and GS-L, General Service	(\$.40/month)
Rate DGS, Distributed Generation Service	(\$.40/month)
Rate FT-S and FT-L, Firm Transportation Service	(\$.40/month)
Rate IT, Interruptible Transportation Service	(\$.40/month)
Rate GGIT, Spark Spread Interruptible Transportation Rate	(\$.40/month)

Page 1 of 1

P.U.C.O. Gas No. 18 Sheet No. 88.4011 Cancels and Supersedes Sheet No. 88.910 Page 1 of 1

Duke Energy Ohio 139 East Fourth Street Cincinnati, Ohio 45202

RIDER AU

ADVANCED UTILITY RIDER

APPLICABILITY

Applicable to all customers receiving service under the Company's sales and transportation rate schedules.

The charges for the respective gas service schedules are:

Rate RS and RSLI, Residential Service	\$.92 \$.73/month
Rate RFT and RFTLI, Residential Firm Transportation Service	\$.92 \$.73/month
Rate GS-S and GS-L, General Service	\$.92 \$.73/month
Rate DGS, Distributed Generation Service	\$.92 \$.73/month
Rate FT-S and FT-L, Firm Transportation Service	\$.92 \$.73/month
Rate IT, Interruptible Transportation Service	\$.92 \$.73/month
Rate GGIT, Spark Spread Interruptible Transportation Rate	\$.92 \$.73/month

The credit to be given to Duke's gas only customers for the respective gas service schedules are:

Rate RS and RSLI, Residential Service	(\$.53 \$.40/month)
Rate RFT and RFTLI, Residential Firm Transportation Service	(\$.53.\$.40/month)
Rate GS-S and GS-L, General Service	(\$.53.\$.40/month)
Rate DGS, Distributed Generation Service	(\$.53.\$.40/month)
Rate FT-S and FT-L, Firm Transportation Service	(\$.53 \$.40/month)
Rate IT, Interruptible Transportation Service	(\$.53.\$.40/month)
Rate GGIT, Spark Spread Interruptible Transportation Rate	(\$.53 \$.40/month)

Issued pursuant to an Order dated September 22, 2016 in Case 16-79417-690-GA-RDR before the Public Utilities Commission of Ohio.

Issued: March 24, 2017 April 2, 2018

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Attachment PAL-1 Index of Schedules

Schedule No.	Description
1	Revenue Requirement Summary
1A	Revenue Requirement Credit Summary
2	Plant Additions by Month
3	Post In Service Carrying Costs on Plant Additions Accrued as Regulatory Asset
4	Deferred Income Taxes on Post In Service Carrying Costs and Deferred O&M
5	Deferred Taxes on Liberalized Depreciation Associated with Plant Additions
6	Summary of Weighted-Average Cost of Capital from Most Recent Retail Rate Case
7	Annualized Depreciation Expense on Plant in Service at Year End
8	Annualized Amortization of Post In Service Carrying Charges
9	Regulatory Asset for Deferred O&M and Associated Carrying Costs
10	Annualized Property Taxes on Plant in Service at Year End
11	Incremental O&M Savings from SmartGrid Implementation
12	Calculation of Rider AU Charges

Gas

Schedule 1

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Revenue Requirement

Line No.		Balance 12/31/2015	Adjustment	Adjusted Balance 12/31/2015	Activity 2016	Cumulative thru 12/31/16	Reference
	Return on Investment Total Rider AU Revenue Requirement Additions	\$40.631.907	Si	\$40 631 907	S	\$40 631 907	Schedule 2
7	Total Plant In-Service	40,631,907	0	40,631,907	0	40,631,907	
e 4	Less: Accumulation Provision for Depreciation Depreciation Expense Total Accumulated Provision for Depreciation	7,496,837	0	7,496,837	2,916,837	10,413,674	
LO.	Net Regulatory Asset-Post In-Service Carrying Cost	3,982,816	0	3,982,816	88,855	4,071,671	Schedule 3
9	Net Deferred Tax Balance—PISCC, Deferred Depreciation & CC and Deferred O&M & CC	(3,931,560)	0	(3,931,560)	(444,045)	(4,375,605)	Schedule 4
7	Deferred Taxes on Liberalized Depreciation	(8,357,146)		(8,357,146)	213,990	(8,143,156)	Schedule 5
80	Net Rate Base	24,829,180	0	24,829,180	(3,058,037)	21,771,143	
G	Approved Pre-tax Rate of Return (at 21% Federal Income	Income Tax Rate)				9.16%	Schedule 6
5	Amualized Return on Rate Base					1,994,237	
-	Operating Expenses Amusilized Provision for Depreciation For Additions				2,916,837	2,916,837	Schedule 7
2 5	Annualized Amortization of PISCC				314,173	314,173	Schedule 8
4 10	Annualized Property Tax Expense Reduction in Operation & Maintenance Expense				784,922 (3,476,000)	784,922 (3,476,000)	Schedule 10
16	Annualized Revenue Requirement - Smart Grid				1,719,780	3,714,017	

Schedule 1A Gas Summary

Duke Energy Ohlo
Calculation of Rider AU Gas Only Customer Credit
Case No. 17-690-GA-RDR
Revenue Requirement (Credit)

	Adjusted Balance 12/31/2015	Activity 2016	Cumulative thru 12/31/16	Reference
<u>Return on investment</u> Total Rider AU Revenue Requirement				
Additions	\$28,878,996	\$0	\$28,878,996	Schedule 2
Total Plant In-Service	28,878,996	0	28,878,996	
Less: Accumulation Provision for Depreciation				
Depreciation Expense	5,196,626	2,123,939	7,320,565	
Total Accumulated Provision for Depreciation	5,196,626	2,123,939	7,320,565	
Net Regulatory Asset-Post In-Service Carrying Cost	2,724,703	70,058	2,794,760	Schedule 3
Net Deferred Tax BalancePISCC, Deferred Depreciation &				
CC and Deferred O&M & CC	(2,844,512)	(433,165)	(3,277,677)	Schedule 4
Deferred Taxes on Liberalized Depreciation	(5,954,759)	171,476	(5,783,283)	Schedule 5
Net Rate Base	17,607,802	(2,315,570)	15,292,231	
Approved Pre-tax Rate of Retum (at 21% Federal Income Tax Rate)	Rate)		9.16%	Schedule 6
Annualized Return on Rate Base			1,400,768	
Operating Expenses Annualized Provision for Degration For Additions		2 123 030	2 123 030	Schodillo 7
Annualized Amortization of PISCC		220,628	220,628	Schedule 8
Deferred O&M Expense and Carrying Costs		1,167,557	1,167,557	Schedule 9
Annualized Property Tax Expense		570,444	570,444	Schedule 10
Reduction in Operation & Maintenance Expense		(3,476,000)	(3,476,000)	Schedule 11
Annualized Revenue Requirement - Smart Grid Credit		606,568	2,007,336	

Calcutation of Rider AU
Case No. 17-690-GA-RDR
Plant Additions by Month

Figure Frage Fra		Plant	Balance at 12/31/2015	Adjustment	Balance at 12/31/2016	1/31/2016	2/29/2016	3/31/2016	4/30/2016	5/31/2016	6/30/2016	7/31/2016	8/31/2016	9/30/2016	10/31/2016	11/30/2018	12/31/2016
20000 12.027.348 12.027.3	ider AU Revenue Requirement noric Data Processing Equip Common	19101	0		C	0	0	0		٥	0	c	•	6	•		
1483 1483	munication Equipment Gas	28700	12,937,396		12,937,396	12,937,396	12,937,396	12,937,396	12,937,396	12,937,396	12,937,396	12,937,396	12,937,396	12,837,396	12,937,396	12,937,396	12,937,398
1770 2027.389 5,272.389	plbie Gas	20300	1,483,193		1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193	1,483,193
1700 6-273-364 5-273-36	onic Data Processing Equip Gas	28101	67,359		67,359	67,359	67,359	67,359	67,359	67,359	67,359	67,359	67,359	67,359	67,359	67,359	67,358
1970 16816.851	d AMI Meters	17001	9,527,398		9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398	9,527,398
Common 19101 Common Common 19101 Common 19101 Common 19101 Common 191	nunication Equipment Common	19700	16,616,561		100	18,618,561	16,616,561	18,616,561	18,616,581	16,818,561	16,616,581	16,616,561	16,818,581	16,616,561	18,818,561	18,616,561	16,616,561
September Sept			\$40,631,907	3		\$40,631,907	\$40,831,907	\$40,631,907	\$40,631,907	\$40,631,907	\$40,631,907	\$40,631,907	\$40,631,907	\$40,631,907	\$40,631,907	\$40,631,907	\$40,831,907
Common 16101 Comm																	
Strict S	letter .					0	0	0	0	0	0	•	0	0	0	0	0
Sample S	onic Data Processing Equip Common	18101				0	0	0	0	0	0	0	0	0	0	0	
20100 Common 19700	nunication Equipment Gas	28700				0	0	0	0	0	0	0	0	0	0	0	
September 1970c Common	ible Ges	20300				0	0	0	0	0	0	0	0	0	0	0	0
17001 19700 1970	onic Data Processing Equip Gas	29101				0	0	0	0	0	0	0	0	0	0	0	0
STATE STAT	d AMI Meters	17001				0	0	0	0	0	0	0	0	0	0	0	0
Common 18101	unication Equipment Common	19700				0	0	0	0	0	0	0	0	0	0	0	3
Common 19101 Co						8	S	S	S	a	3	S	S	ន	S	8	3
1551 84 1251	d Common Plant Additions																
1,000 1,00	onic Data Processing Equip Common	19101			0	0	0	0	0	0	0	0	0	0	0	0	0
Data Processing Equip Gas Carroll Carrol	Mindagori Equipment Gas	20300			1.483.193	1 483 193	1.483.193	1.483.183	1.483.193	1.483.183	1.483.183	1.483.183	1 483 183	1.483.193	1.483.183	1.483.183	1,483,193
Metama 17001 9.527.389	onic Data Processing Equip Gas	29101			0	0	0	0	0	0	0	0	0	0	0	0	
## Processing Equip Common 19700 16.616_561 16.616_56	d AMI Meters	17001			9,527,398	9,527,388	9,527,388	9,527,388	9,527,398	9,527,388	9,527,388	9,527,398	8,527,388	9,527,398	9,527,398	9,527,398	9,527,388
Processurg Equip Common 19101 0<	unication Equipment Common	19700			16,616,561 \$28,878,996	16,616,561 \$28,878,996	16,816,561 \$28,878,998	16,616,581 \$28,878,996	16,616,581 \$28,878,996	18,616,561 \$28,878,996	16,616,561 \$28,878,996	16,616,561 \$28,878,996	16,616,581 \$28,878,996	16,616,581 \$28,878,996	16,616,561 \$28,878,996	16,616,561 \$28,878,996	16,616,561 \$28,878,996
Data Processing Equip Common 19101 0 <																	
28700 20300 p.Gas 28101 inches 197001 inches 197001	onic Data Processing Equip Common	19101				0	0	0	0	0	0	0	0	0	0	0	0
20000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	unication Equipment Gas	28700				0	0	0	0	0	0	0	0	0	0	0	0
29401 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Die Gas	20300				0	0	0	0	0	0	0	0	0	0	0	0
17001 18700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	mic Data Processing Equip Gas	29101				0	0	0	0	0	0	0	0	0	0	0	0
0 0 0 0 0 0 0 0 0 0 0 0	d AMI Meters	1001				0	0	0	0	0	0	•	0	0	0	0	0
	unication Equipment Common	19700				0	0	0	0	0	0	0	0	0	0	0	0

Dute Energy Ohlo
Catculation of Rider AU
Case No. 17-860-08-RDR
Net Regulatory Asset – Post in-Barvice Carrying Cost

Account	ot Description	Balance at 12/31/2015	AD.	Adjusted Balance at 12/31/2015	1/31/2016	2/29/2016	3/31/2016	4/30/2016	5/31/2016	6/30/2016	7/31/2016	8/31/2016	8/30/2016	10/31/2016	11/30/2016	12/31/2016	Balance at 12/31/2016
018636x 018636x 018636x		1,423,556 138,319 6,888		1,423,556 138,319 6,888	\$12,378	\$12,431	\$12,485 \$4,661 \$180	\$5,679 \$668 \$32					\$5,803 \$682 \$33	\$5,828 \$685 \$33	\$5,853 \$688 \$33	\$5,879 \$681 \$33	1,512,855 158,355 7,720
018636x 018636x	ix Leased AMI Meters ix Communication Equipment Common Total	950,353 1,568,274 \$4,087,390	S.	950,353 1,568,274 \$4,087,390	\$7,026 \$18,881 \$43,085	\$7,056 \$18,963 \$43,270	\$7,087 \$19,045 \$43,458	\$4,185 \$7,024 \$17,598	\$4,213 \$7,054 \$17,674	\$4,231 \$7,085 \$17,749	\$4,248 \$7,115 \$17,826	\$4,288 \$7,146 \$17,904	\$4,286 \$7,177 \$17,981		\$4,323 \$7,239 \$18,136	\$4,342 \$7,271 \$18,216	1,009,934 1,689,482 \$4,378,346
	Cumulative-Regulatory Asset-Deferrals				\$4,130,475	\$4,173,745	\$4,217,203	\$4,234,801	\$4,252,475	\$4,270,224	\$4,288,050	\$4,305,854	\$4,323,935	\$4,341,994	\$4,360,130	\$4,378,346	
Regulatory 018636x	<	42,835		42,935	3,759	3,759	3,759	6,680	9,680	6,680	9,680	089'9	089'9	6,680	089'9	6,680	114,328
018636x 018636x 018636x	ix intangible Gas ix Electronic Data Processing Equip Gas ix I essent AMI Melen	7,896 381		7,886 381 15.041	. 88 88 88	. 33 . 33	33	1,375 75	1,375	1,375	1,375	1,375	1,375	1,375	1,375	1,375	1,159
018636x		38,320	S	38,320	3,427	3,427	3,427	6,898 \$19,283	6,898 \$19,283	6,898 \$19,283	6,898 \$19,283	6,898 \$19,283	6,898 \$19,283	6,898 \$19,283	6,898 \$19,283	6,898	110,687
	Cumulative-Regulatory Asset-Amort.				\$114,093	\$123,612	\$133,131	\$152,414	\$171,697	\$190,979	\$210,262	\$229,544	\$248,827	\$268,109	\$287,392	\$306,875	
Regulatory 018636x 018636x 018636x 018636x	<	1,380,621 130,423 6,507 835,312	0000	1,380,621 130,423 6,507 935,312	8,619 3,960 146 5,387	8,672 3,980 146 5,417	8,726 4,000 147 5,448	(1,001) (707) (43) (58)	(976) (43) (43)	(43) (702) (43) (53)	(42) (42) (5)	(802) (696) 14	(877) (683) (2.2)	(852) (680) (42) 51	(827) (887) (42) 69	(801) (684) (42)	1,398,527 136,102 6,561 951,687
018636x	k Communication Equipment Common Total	1,529,954		1,529,954 \$3,982,816	15,454	15,536	15,618 \$33,939			Ĭ			(\$1,302)	310	(\$1.147)	373	\$4,071,671
	Cumulative-Regulatory Asset-Net.			*	1,016,382	\$4,050,133	\$4,084,072	\$4,082,387	\$4,080,778	\$4,079,245	\$4,077,788	\$4,076,410	\$4,075,108	\$4,073,885	\$4,072,738	\$4,071,671	
Net Reg	Net Regulatory Asset Post In-Service Carwing Cost. Associated with PMC and Common Digiti																
018636x 018636x		129,068	00	129,068	943 4,621	947		176 868	177 678	- 6	178 678	179 679	180	181	181		133,521
018636x 018636x		950,353	000	950,353	7,026	7,056	7,087	4,195	4,213	4,231	4,249	4,288	4,286	4,305	4,323	4,342	1,009,834
010000	Total	\$2,786,014	н	\$2,786,014	\$31,471	\$31,607		\$12,063	\$12,115	-	\$12,218	\$12,272	\$12,325	\$12,379	\$12,431	5	\$2,991,292
	CumulativeRegulatory AssetDeferrals			*	2,817,485	\$2,849,092	\$2,880,836	\$2,892,899	\$2,905,014	\$2,917,181	\$2,929,399	\$2,941,671	\$2,953,996	\$2,966,375	\$2,978,806	\$2,991,282	
Regulatory 018636x	<	35 }	0.0	35	e 5	e ;	e 5	587	587	587	587	587	587	287	587	587	5,343
018636x		080',		000',	8 0	8 0	80	0/6'1	0/6'1	0	0	0 0	0/2'	0/8'	0/6/1	0	2
018636x	x Leased AMI Meters x Communication Fouriered Common	15,041	00	38.320	3.427	3.427	1,639	4,254	4,254 8,898	4,254	4,254	4,254 8,888	6.888	4,254 6,898	6.898	4,254 6,898	110.687
		\$61,311	9	\$61,311	\$5,731	\$5,731	\$5,731	\$13,114	\$13,114	\$13,114	\$13,114	\$13,114	\$13,114	\$13,114	\$13,114	\$13,114	\$196,5
	Cumulative-Regulatory Asset-Amort.				\$67,042	\$72,773	\$78,504	\$91,618	\$104,732	\$117,846	\$130,960	\$144,075	\$157,189	\$170,303	\$183,417	\$196,532	
Regulatory 018636x	< −	129,014	0 0	129,014	940	446	95	(411)			(409)	(408)	(407)	(408)	(408)	(405)	128,178
018636x 018636x		130,423		130,423	3,960	3,980	000,4	(101)					(683)	(089)	(88)	(400)	136,70
018636x 018636x		935,312		935,312	5,387	5,417	5,448	(58) 128	156	(23)	217	14 248	32 279	310	34.68	88 373	1,578,795
		ED 724 703	П	10 794 703	625 740	£25 878	\$28 013	(\$1.054)			2		/\$789)	147251	(6883)	/8CA9/	\$2 794 78

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Schedule 4

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Net Deferred Tax Balance — PISCC and O&M

Per Sonte a 3 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Line Net Deferred Tax Balance - PISCC	2081	Balance at 12/31/2015	Adjustment	Adjusted Balance at 12/31/2015	1/31/2016	2/29/2016	3/31/2016	4/30/2016	5/31/2016	6/30/2016	7/31/2016	8/31/2016	9/30/2016	10/31/2016	11/30/2016	12/31/2016
	Total Rider AU Revenue Req Ending Balance per Schedu Tax Rate Cumulative ADIT @ 35%	juirement ide 3	\$3,982,816 35.00%													10	\$4,071,671
Finding Balanca Finding Ba	Net Deferred Tax Balance - L Beginning Balance Monthly Activity	Deferred Depreciation and	Carrying Cost \$1,342,128	9	\$1,342,128	\$1,342,128	\$1,343,275	\$1,344,422	\$1,345,569	\$1,345,537	\$1,345,505	\$1,345,473	\$1,345,441	\$1,345,409	\$1,345,377	\$1,345,345	\$1,345,313
Turk class Tur	Ending Balance		\$1,342,128	0\$		\$1,343,275	\$1,344,422	\$1,345,569	\$1,345,537	\$1,345,505	\$1,345,473	\$1,345,441		\$1,345,377	\$1,345,345	\$1,345,313	
MICHIGATE Elableco - Delicary Case Septiment Delicary Case Septi	Tax Rate Cumulative ADIT @ 35%		35.00% (\$469,745)	##. 													
Table Salation S		Deferred O&M and Carryin	1 Cost 5,908,083		\$5,908,083	5,908,083	6,444,938	6,501,182	6,561,070	6,614,008	6,666,255	6,718,926	6,779,486	6,837,590	6,896,702	6,953,436	
Hart Definition April 69 35% \$2,005 200 9			5,908,083	0\$	\$5,908,083	6,444,938	6,501,182	6,561,070	6,614,008	6,666,255	6,718,926	6,779,466	6,837,590	6,896,702	6,953,436	7,009,291	Н
National Part			35.00%	\$30.0%													35.00%
Excitog Balance Per Schools Statut Statu	Net Deferred Tax Balance – PMC and Common Plant	PISCC Associated with															(\$4,375,605)
Neit Delignated Tax Balance - Delignated Deparcalision. Selective Designation		S = 3	\$2,724,703 35.00% (\$953,646)														\$2,794,760 35.00% (\$978,166)
Ending Balance Set 1.221 Set 1.221 Set 1.221 Set 3.035 Set 3.941 Set 3.943 Set 3.945 Set 3.945 Set 3.947 Set 3.947 Set 3.945 Set 3.947 S		beferred Depreciation.	\$841,221		841,221	\$841,221	\$842,127	\$843,033 906	\$843,839 2	\$843,941	\$843,943 2	\$843,945 2	\$843,947	\$843,949 2	\$843,951 2	\$843,953 2	
Net Deferred Tax Balanca - Deferred O&M and Carrying Cost Associated with PMO and Common. Expenses Expenses 5,155,365 5,255,305 5,307,552 5,380,223 5,470,763 5,478,887 5,537,999 5,594,733 Expenses 84,561,254 4,561,254 4,561,254 5,094,151 5,146,437 5,202,367 5,255,305 5,307,552 5,380,223 5,470,763 5,478,887 5,537,999 5,594,733 Monthly Activity 24,561,254 4,561,254 5,094,151 5,146,437 5,202,367 5,265,305 5,307,552 5,307,552 5,470,763 5,577,899 5,594,733 5,556,585 Ending Balance 25,094 5,504,737 5,004,137 5,004,137 5,002,367 5,265,305 5,307,552 5,307,552 5,470,763 5,479,887 5,594,733 5,556,585 Tax Rate 35,094 5,504,733 5,504,733 5,504,733 5,504,733 5,554,739 5,594,733 5,550,586			\$841,221 35.00% (\$294,427)		\$841,221 35.00% (\$294,427)	\$842,127	\$843,033	\$843,939	\$843,941	\$843,943	\$843,945	\$843,947	\$843,949	\$843,951	\$843,953	\$843,955	
Tax Rate 35.00%, ADT @ 35.00%, (\$1,596,439)		beformed O&M and. h PMO and Common.	\$4,561,254		4,561,254	4,561,254 532,897 5,094,151	5,094,151 52,286 5,146,437	5,148,437 55,930 5,202,367	5,202,367 52,938 5,255,305	5,255,305 52,247 5,307,552	5,307,552 52,671 5,360,223	5,360,223 60,540 5,420,763	5,420,763 58,124 5,478,887	5,478,887 59,112 5,537,899	5,537,989 56,734 5,594,733	5,594,733 55,855 5,650,588	
			35.00% (\$1,596,439)						List List Sawe							l _s	35.00% (\$2,004,126)

PUCO Case No. 17-489-CA-RDR Attachment PAL-1 Page 7 of 28 Gas Gas

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Deferred Taxes on Liberalized Depreciation

		P	Previous Tax Years		
		2012	2013	2014	2016
No.		TOTAL	TOTAL	TOTAL	TOTAL
Total Rider AU Re	Total Rider AU Revenue Requirement				
Total Plant In-Service	rice	\$12,416,689	\$34,766,288	\$40,783,902	\$40,631,907
Book to Tax Basis Adjustments:	Adjustments:	0	0	0	0
Tax Base In-Service subject to: Bonus Depreciation - 100%	ce subject to: tion - 100%	0	0	0	0
Bonus Depreciation - 50% MACRS	tion - 50%	12,416,689	34,766,288	40,783,902	40,631,907
Total Tax Dep	Total Tax Depreciation Base	12,416,689	34,766,288	41,745,497	40,631,907
8 Tax Depreciation - MACRS	MACRS	886,732	2,855,487	4,038,157	3,264,010
Tax Depreciation - 100% Bonus 9 Tax Depreciation - 50% Bonus	- 100% Bonus - 50% Bonus	6.208.345	11.174.800	3.008.807	(75.998)
	reciation	7,105,077	14,030,287	7,046,964	3,188,012
Total Book Depreciation	reciation	289.845	1.558.840	2,724,619	2,919,476
Ī	Less: Book Depr on AFUDC Equity	0	0	0	0
13 Plus: Originatir	Plus: Originating Dif. Exclusive of AFUDC Equity	0	0	0	0
14 Net Book [Net Book Depreciation	289,845	1,558,840	2,724,619	2,919,476
	Tax Depreciation in Excess of Book Depreciation	6,815,232	12,471,447	4,322,345	268,536
17 Federal Deferred Taxes @ 35.00%	Taxes @ 35.00%	(\$2,385,331)	(\$4,365,006)	(\$1,512,821)	(\$93,988)
18 Federal Deferral Rate	elsi	35.00%	35.00%	35.00%	35.00%

PUCO Case No. 17.69-CA-HDR Attachment PAL-1 Page 8 of 20 Gas Page 2 of 6

Duke Energy Ohio Calculation of Rider AU Case No. 17-890-GA-RDR Deferred Taxes on Liberalized Depreciation

Total Rider AU Revenue Requirement	3-Year MACRS
Total Plant In-Service	\$408,2
Book to Tax Basis Adjustments:	
Tax Base In-Service subject to: Bonus Depredation - 100%	
Bonus Depredation - 50% MACRS	408,2
Total Tax Depreciation Base	408,2
Tax Depreciation - MACRS	
Tax Depreciation - 50% Bonus	
Total Tax Depreciation Book Depreciation	
Total Book Depreciation	91,6
Plus: Originating Diff. Exclusive of AFUDC Equity	
Net Book Depreciation	81,64
Tax Depreciation in Excess of Book Depreciation	(81,64
Federal Deferred Taxes @ 35.00%	\$28,57

18 Federal Deferral Rate

			Vintage 2012				STATE STATE OF	Vintage 2013		
	3-Year MACRS	6-Year MACRS	7-Year MACRS	10-Year MACRS	Total Vintage 2012	3-Year MACRS	6-Year MACRS	7-Year MACRS	10-Year MACRS	Total Vintage 2013
	\$408,219		\$11,176 \$11,131,130	\$866,164	\$12,416,689	\$145,766	\$21,801	\$14,193,522	\$7,988,510	\$22,349,599
	0	0	0	0	0	0	0	0	0	0
	0	0		0	0	0	0	0	0	0
	408,219 0	11,176	11,131,130	866,164	12,416,689	145,766	21,801	14,193,522	7,988,510	22,349,599
	408,219	11,178	11,131,130	866,164	12,416,689	145,766	21,801	14,193,522	7,988,510	22,349,599
	0	4	496,727	37,851	535,222	5,398	1,256	886,740	400,384	1,293,778
	00	00	00	00	00	0 0	00	00	00	0.0
	0	. 44	496,727	37,851	535,222	5,398	1,256	886,740	400,384	1,293,778
	81,644	2,235	742,446	57,773	884,099	29,153	4,360	946,708	532,834	1,513,055
DC Faulty	00		00	00	00	00		00	00	3 6
	81,644	2,235	742,446	57,773	884,089	29,153	4,360	946,708	532,834	1,513,055
eclation	(81,644)	(1,591)	(245,719)	(19,922)	(348,877)	(23,755)	(3,104)	(59,968)	(132,450)	(219,277)
	\$28,575	\$557	\$86,002	\$6,973	\$122,107	\$8,314	\$1,086	\$20,989	\$46,357	\$76,747
	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%

Duke Energy Ohlo Calculation of Rider AU Case No. 17-690-GA-RDR Deferred Taxes on Liberalized Depreciation

			Service of the			Tax Year 201	Tax Year 2016 (part 2 of 2)				
				Vintage 2014	Name of the Party of the			Vintage 2015	e 2015		
S C	ne Total Rider AU Revenue Requirement	3-Year MACRS	6-Year MACRS	7-Year MACRS	10-Year MACRS	Total Vintage 2014	3-Year MACRS	6-Year SG MACRS	7-Year MACRS	Total Vintage 2015	Total Tax Year 2016
-	Total Plant In-Service	\$927,213	\$34,382	\$4,380,777	\$675,242	\$6,017,614	\$1,995	(\$2,518)	(\$151,472)	(\$151,995)	\$40,631,907
00	Book to Tax Basis Adjustments:	0	0	0	0	0	0	0	0	0	0
. 4	Tax Base in-Service subject to: Bonus Depreciation - 100%	0	0	0	0	0	0	0	٥	0	0
ro 60	Bonus Depreciation - 50% MACRS	927,213	34,382	4,380,777	675,242	6,017,614	1,995	(2,518)	(151,472)	(151,995)	40,631,907
7	Total Tax Depreciation Base	927,213	34,382	4,380,777	675,242	6,017,614	1,995	(2,518)	(151,472)	(151,995)	40,631,907
80	Tax Depreciation - MACRS	68,683	3,301	383,143	39,819	494,946	443	(403)	(18,548)	(18,508)	2,305,438
O.	Tax Depreciation - 100% Bonus Tax Depreciation - 50% Bonus	00	00	00	00	00	00	00	00	00	00
9	HE V	68,683	3,301	383,143	39,819	494,946	443	(403)	(18,548)	(18,508)	2,305,438
11	Book Depreciation Total Book Depreciation	185,443	6,876	292,198	45,039	529,555	389	(168)	(10,103)	(9,872)	2,916,837
4 5		00		00	00	00	00		00	00	00
5 4		185,443	6,876	292,198	45,039	529,555	388	(168)	(10,103)	(9,872)	2,916,837
15	Tax Depreciation in Excess of Book Depreciation	(116,760)	(3,575)	90,945	(5,220)	(34,609)	4	(235)	(8,445)	(8,636)	(611,399)
14	Federal Deferred Taxes @ 35.00%	\$40,866	\$1,251	(\$31,831)	\$1,827	\$12,113	(\$15)	\$82	\$2,956	\$3,023	\$213,990
18	Federal Deferral Rate	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%

(\$8,143,156)

Total Deferred Tax Balance

PUCO Case No. 17-696-GA-RDR Attachment PAL-1 Page 18 of 28 Gas Page 4 of 6

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Deferred Taxes on Liberalized Depreciation

Previous Tax Years

		2012	2013	2014	2015
	Deferred Taxes on Liberalized Depreciation Associated with PMO and Common Plant	TOTAL	TOTAL	TOTAL	TOTAL
9	Total Plant In-Service	\$7,057,294	\$24,394,805	\$28,973,335	\$28,878,996
50	Book to Tax Basis Adjustments:	0	0	0	0
73	Tax Base In-Service subject to: Bonus Depreciation - 100%	0	0	0	0
2 8	Bonus Depreciation - 50%	7,057,294	24,394,805	28,973,335	28,878,996
38	Total Tax Depreciation Base	7,057,294	24,394,805	29,900,548	28,878,996
74	Tax Depreciation - MACRS	513,590	1,840,173	2,693,059	2,317,306
10	Tax Depreciation - 50% Bonus	3,528,647	8,668,756	2,289,265	(47,170)
9	Total Tax Depreciation	4,042,237	10,508,929	4,982,324	2,270,136
1	Total Book Depreciation	151,319	1,003,492	1,819,786	1,815,430
8 8	Less: Book Depr on AFUDC Equity Dive: Originating Diff Equitation of AFUIDC Equity	00	00	00	00
0	Net Book Depreciation	151,319	1,003,492	1,819,786	1,815,430
3	Tax Depredation in Excess of Book Depredation	3,890,918	9,505,437	3,162,538	454,706
33	Federal Deferred Taxes @ 35.00%	(\$1,361,821)	(\$3,326,903)	(\$1,106,888)	(\$159,147)
33	Federal Deferral Rate	35.00%	35.00%	35.00%	35.00%

Duke Energy Ohlo
Calculation of Rider AU
Case No. 17-890-GA-RDR
Deferred Taxes on Liberalized Depreciation

					Tax Year	Tax Year 2016 (part 1 of 2)	6			, n
		7.00	Vintage 2012					Vintage 2013	3	
	3-Year	5-Year	7-Year	10-Year	Total	3-Year	6-Year	7-Year	10-Year	Total
Deferred Taxes on Liberalized Depreciation Associated with PMO and Common Plant	MACRS	MACRS	MACRS	MACRS	Vintage 2012	MACRS	MACRS	MACRS	MACRS	Vintage 2013
Total Plant In-Service	\$408,219	0\$	\$5,782,911	\$866,164	\$7,057,294	\$145,766	0\$	\$9,203,235	\$7,988,510	\$17,337,511
Book to Tax Basis Adjustments:	0	0	0	0	*0\$	0	0	0	0	02
Tax Base In-Service subject to:	•	-	c		c	•		c	c	c
Bonus Depredation - 50%	408,219	00	5,782,911	886,164	7,057,294	145,786	00	9,203,235	7,988,510	17,337,511
MACRS Total Tax Depreciation Base	408,219	00	5,782,911	966,164	7,057,294	145,766	0 0	9,203,235	7,988,510	17,337,511
To Description		•	259 000	27 054	206 042	906 9		674 070	100 001	090 754
Tax Depreciation - 100% Bonus	00	00	0	8,	0 6 6 6 7	0	00	04,970	0	0
Tax Depreciation - 50% Bonus	0	0	0	0	0	0	0	0	0	0
Total Tax Depreciation	0	0	258,062	37,851	285,913	5,398	0	574,972	400,384	980,754
Total Book Depreciation	81,644	0	385,720	57,773	525,137	29,153	0	613,856	532,834	1,175,843
Less: Book Depr on AFUDC Equity Due: Origination De Explicit of AFUDC Equity	00	00	00	00	00	00	00	00	00	00
Net Book Depreciation	81,644	0	385,720	57,773	525,137	29,153	0	613,856	532,834	1,175,843
Tax Depreciation in Excess of Book Depreciation	(81,644)	٥	(127,658)	(19,922)	(229,224)	(23,755)	0	(38,884)	(132,450)	(195,089)
Federal Deferred Taxes @ 35.00%	\$28,575	\$0	\$44,680	\$6,973	\$80,229	\$8,314	0\$	\$13,609	\$46,357	\$68,281
Federal Deferral Rate	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%

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Duke Energy Ohio Calculation of Rider AU Case No. 17-890-GA-RDR Deferred Taxes on Liberalized Depreciation

		17 A TOTAL OF	Vintage 2014			8	Vintag	Vintage 2015		
	3-Year	6-Year	7-Year	10-Year	Total	3-Year	6-Year SG	7-Year	Total	Total Tax
Deferred Taxes on Liberalized Depreciation Associated with PMO and Common Plant	MACRS	MACRS	MACRS	MACRS	Vintage 2014	MACRS	MACRS	MACRS	Vintage 2014	Year 2014
Total Plant in-Service	\$927,213	0\$	\$2,976,075	\$675,242	\$4,578,530	\$1,995	(\$2,518)	(\$93,816)	(\$84,339)	\$28,878,996
Book to Tax Basis Adjustments:	0	0	0	0	0\$	0	0	0	0\$	0
Tax Base In-Service subject to: Bonus Depreciation - 100%	0	0	o	0	o	0	0	0	0	0
Bonus Depreciation - 50%	927,213	00	2,976,075	675,242	4,578,530	1,995	(2,518)	(93,816)	(94,339)	28,878,996
Total Tax Depreciation Base	927,213	0	2,976,075	675,242	4,578,530	1,995	(2,518)	(93,816)	(94,339)	28,878,996
Tax Depreciation - MACRS	68,683	0	260,288	39,819	368,790	443	(403)	(11,488)	(11,448)	1,634,009
Tax Depreciation - 100% Bonus	00	00	00	00	00	00	00	00		00
Total Tax Depreciation	68,683	0	260,288	39,819	368,790	443	(403)	(11,488)	(11,448)	1,634,009
Book Depreciation Total Book Depreciation	185,443	0	198,504	45,039	428,985	386	(168)	(6,258)	(6,026)	2,123,939
Less: Book Deprior AFUDC Equity	0 0	00	00	00	00	00	0 0	0 0	00	00
Net Book Depreciation	185,443	0	198,504	45,039	428,985	388	(168)	(6,258)	(6,02	2,123,939
Tax Depreciation in Excess of Book Depreciation	(116,760)	0	61,783	(5,220)	(60,196)	4	(235)	(5,230)	(5,422)	(489,930)
Federal Deferred Taxes @ 35.00%	\$40,866	0\$	(\$21,624)	\$1,827	\$21,069	(\$15)	\$82	\$1,831	\$1,898	\$171,476
Federal Deferral Rate	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%	35.00%

8 2 2 2 2 8 2 8 8 8 8 8 8 8 8 8

(\$5,783,283)

Total Deferred Tax Balance

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Approved Rate of Return (a)

Schedule 6

Gas

Line No.		Balance at 3/31/2012	Percent of Total	Rate	Weighted Cost	Tax Gross Up Factor	Pre-Tax Rate of Return
-	Long Term Debt	\$2,532,502,631	46.70%	5.32%	2.48%	1.000000	2.48%
2	Common equity	2,890,889,857	53.30%	9.84%	5.25%	1.272727	6.68%
က	Total Capitalization	\$5,423,392,488	100.00%		7.73%		9.16%

Income before Income Tax Less: Uncollectible accounts Expenses Less: State Income Tax Income before Federal Income Tax Federal Income Tax (21% x 100%)
--

Operating Income Percentage

Gross Revenue Conversion Factor (1/0.6500)

0.5425%	0.000%	99.458%	20.886%	78.571%	1.272727

100.000%

Duke Energy Ohio

Schedule 7

Gas

Annualized Depreciation Expense on Plant in Service at Year End Calculation of Rider AU Case No. 17-690-GA-RDR

No.	Depreciable Plant Basis	Plant Account	Balance at 12/31/2016	Depreciation Rate	Annualized Depreciation
	Total Rider AU Revenue Requirement				
-	Intangible Gas	20300	1,483,193	20.00%	296,639
7	Electronic Data Processing Equip Gas	29101	62,359	20.00%	13,472
က	Communication Equipment Gas	29700	12,937,396	%299	862,924
4	Leased AMI Meters	17001	9,527,398	%299	635,477
S	Communication Equipment Common	19700	16,616,561	%299	1,108,325
ဖ	Total		\$40,631,907		\$2,916,837
	Annualized Depreciation Associated with PMO and Common Plant Additions				
7	Intangible Gas	20300	1 483 193	20.00%	296 639
. ω	Communication Equipment Gas	29700	1,251,844	6.67%	83,498
G		17001	9,527,398	6.67%	635,477
10	Communication Equipment Common	19700	16,616,561	%299	1,108,325
Ŧ	Total		\$28,878,996		\$2,123,939

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Annualized Amortization of PISCC

Gas

Schedule 8

No.	Regulatory Asset Deferrals	Balance at 12/31/2016	Amortization Rate	Annualized Amortization
Total R	AL			
1 018636x	36x Intangible Gas	158,355	20.00%	31,671
2 018636x	36x Electronic Data Processing Equip Gas	7,720	20.00%	1,544
3 018636x	36x Communication Equipment Gas	1,512,855	%299	100,907
4 018636x	36x Leased AMI Meters	1,009,934	%299	67,363
5 018636x	36x Communication Equipment Common	1,689,482	6.67%	112,688
ဖ	Total	\$4,378,346		\$314,173
Annuali	Annualized Amortization of PISCC Associated with PMO and			
Commo	Common Plant			
Total R	Total Rider AU Revenue Requirement			
7 018636x	36x Intangible Gas	158,355	20.00%	31,671
8 018636x		0	20.00%	0
9 018636x		133,521	6.67%	8,906
10 018636x		1,009,934	%299	67,363
11 018636x	36x Communication Equipment Common	1,689,482	%299	112,688
12	Total	\$2,991,292		\$220,628

Schedule 9

Duke Energy Ohlo Cacluster of Reder AU Case No. 17-800-CA-RDR Regulatory Asset – Deferred O&M Experses, Carrying Cost and Amortization

No.	Account Description	Balance at 12/31/2015	Adjustment	Balance at 12/31/2015	1/31/2016	2/29/2016	3/31/2016	4/30/2016	5/31/2016	6/30/2016	7/31/2016	8/31/2016	9/30/2016	10/31/2016	11/30/2016	4	12/31/2016
	2	\$1,808,928 9,142,325	80	\$1,809,928	525,175	43,304	46,748	44,657	43,770	44,000	\$51,657	\$49,018	\$49,787	\$47,194	\$46,108	\$65	\$65,492
ω 4 π	182362 PMO 08.M 18236x Book Depreciation 18238x Book Depreciation - Common	1,115,365 1,051,997 1,216,843	0	1,115,365	0	0	0	0	0	0	8	8	8	<u>s</u>	8		8
8	Total	\$14,338,458	\$0	\$14,338,458	\$525,175	\$43,304	\$46,748	\$44,657	\$43,770	\$44,000	\$51,657	\$49,018	\$49,787	\$47,194	\$46,108	\$85,492	2
1	Cumulative-Regulatory Asset-Deferrals	\$14,336,458		\$14,336,458	\$14,861,633	\$14,904,937	\$14,951,685	\$14,996,342	\$15,040,112	\$15,084,112	\$15,135,769	\$15,184,787	\$15,234,574	\$15,281,788	\$15,327,876	\$15,393,368	80
	Regulatory AssetAmortization Anny Conferred Oth Conte	8352 718		£350 748	£4 373	64 973	220	603 060	90 00	000 000	603 069	602 060	603 069	603 069	800 600	602.00	
		9.329.118		9.329.118	133.701	133.701	133.701	28.185	28.195	28.195	28 185	28 195	28,185	28.195	28.195	\$28,195	
10		1,029,297		1,029,297	21,896	21,896	21,896	6,431	6,431	6,431	6,431	6,431	6,431	6,431	6,431	\$6,431	
7	407xxx Book Depreciation - Common	879,639		979,639	36,031	36,031	36,031	19,163	19,163	19,163	19,163	19,183	19,163	19,163	19,163	\$19,163	
2	Total	\$11,690,772	98	\$11,690,772	\$193,001	\$183,001	\$193,001	\$147,757	\$147,757	\$147,757	\$147,757	\$147,757	\$147,757	\$147,757	\$147,757	\$147,757	
55	Cumulative-Regulatory Asset-Amortization	\$11,690,772		\$11,690,772	\$11,883,773	\$12,076,774 \$12,269,775	\$12,269,775	\$12,417,532	\$12,565,289	\$12,713,046	\$12,713,046 \$12,860,803 \$13,008,560	\$13,008,560	\$13,156,317	\$13,304,074	\$13,451,831	\$13,599,588	
4 5	Regulatory Asset – Deferred O&M Expenses Carrying Cost (2) 182362 Deferred O&M Costs	\$155.525	98	\$156.626	3.958	3.958	3.958	o	o	a	a	o	0	0	0	0	
15		1,108,838	0	1,108,838	7,722	8,982	9,182	8,281	8,477	8,671	8,883	9,106	9,325	9,540	9,747	9,995	
9 2	18236x Book Depredation 18236x Book Demedation - Common	118,561	00	118,561	241	241	241	<u>8</u> °	<u>8</u> °	<u>8</u> ,	<u>8</u> °	€°	€, °	(<u>R</u>	£ °	<u>8</u> °	
18	Total	\$1,500,404	8	\$1,500,404	\$12,827	\$14,087	\$14,287	\$8,249	\$8,445	\$8,639	\$8,851	\$9,074	\$9,293	\$9,508	\$9,715	\$9,963	
9	CumulativeRegulatory AssetDeferrals	\$1,500,404		\$1,500,404	\$1,513,231	\$1,527,318	\$1,541,605	\$1,549,854	\$1,558,299	\$1,566,938	\$1,575,789	\$1,584,863	\$1,594,156	\$1,603,664	\$1,613,379	\$1,623,342	
a El	-	1000	8	202 000 00	102 04	202.00	101	1000 0001	1000 000	1000 0000	1000 000	1000 0001	1000 0047	(000 000)	(000 000)	1000 0007	
2 -	182382 Deferred Oak Costs 182382 Deferred Oak Common and PMD Costs	2037.410	2 0	2 037 410	300 106	84,585	\$2,365	24.743	(\$53,508)	(\$93,908)	32,355)	(98%,980)	(\$93,906)	28,539	27 680	47.282	
2		141,261	0	141,261	(21,655)	(21,655)	(21,655)	(6,465)	(6,465)	(6,465)	(6,465)	(6,465)	(6,465)	(6,465)	(6,465)	(6,465)	
23	18238x Book Depreciation - Common Total	354,684	05	354,684	(35,125)	(35,125)	(35,125)	(19,161)	(19,161)	(19,181)	(19,161)	(19,161)	(19,161)	(19,161)	(19,161)	(19,161)	
18	Cumulative—Regulatory Asset—Total	\$4,148,090		\$4,148,090	\$4,491,091	\$4,355,481	\$4,223,515	\$4,128,664	\$4,033,122	\$3,938,004	\$3,850,755	\$3,761,090	\$3,672,413	\$3,581,358	\$3,489,424	\$3,417,122	H
	ODDO Datases Of the Conta	2008	5002	2010	2011	2012	2013	2014	2015	LOTE		Severance Costs By Year	By Year	O (F)	(1) Contraction according in page 1 and by the fine in 2010 filling	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9
		30,400	\$1,037,092	\$2,884,359	\$2,268,582	\$1,315,647	\$1,272,802	\$248.957	\$1,230,251	\$10.257,690		2018	\$176.871	animan -(1)	scaned in bies y	s cua mot inica ini z	2
	18236x Book Depredation	\$24,222	\$78,368	\$193,158	\$334,158	\$142,756	\$225,003	\$62,047	(\$7,715)	\$1,061,997		2015	\$25,287				
	laccox book behavious - commissi	310,211	44 470 707	301110	36.26,371	3147,009	9290,449	3500,0026	7114	91,410,043							

Schedule 9

Case No. 17-590-5A-RDR
Case No. 17-590-5A-RDR
Sociation Asset - Deferred O&M Expenses. Carrying Cost and Amortiza

를	Account Description	Balance at 12/31/2015	Adjustment	Adjusted Batance at 12/31/2015	1/31/2018	2/29/2018	3/31/2016	4/30/2016	5/31/2016	6/30/2016	7/31/2016	8/31/2016	9/30/2016	10/31/2016	11/30/2016	12/31/2016	Balance at 12/31/2016
	Regulatory Asset - Deferred O&M Expenses. Carryino Cost and Amortization Associated with PMO and Common Expenses																
888	-			\$9,142,325 1,115,365	\$525,175	\$43,304	\$46,748	\$44,657	\$43,770	\$44,000	\$51,657	\$49,018	\$49,787	\$47,194	\$46,108	\$65,492	\$10,199,235
8 8	162.56X Book Depreciation - PMU and Common Total			\$11,474,533	\$525,175	\$43,304	\$46,748	\$44,657	\$43,770	\$44,000	\$51,657	\$49,018	\$49,787	\$47,194	\$48,108	\$65,492	\$12,531,443
8	Cumulative—Regulatory Asset-Deferrals			\$11,474,533	\$11,999,708	\$12,043,012 \$12,089,760	\$12,089,760	\$12,134,417	\$12,134,417 \$12,178,187	\$12,222,187	\$12,222,187 \$12,273,844 \$12,322,862	\$12,322,862	\$12,372,649	\$12,419,843	\$12,465,951	\$12,531,443	
E 8 8	Regulatory Asset-Amortization 407xxx Deferred O&M - Common and PMO Costs 407xxx Book Depreciation - Common Total			\$9,329,118 979,639 10,308,757	\$133,701 36,031 169,732	\$133,701 36,031 169,732	\$133,701 36,031 169,732	\$28,195 19,163 47,356	\$28,195 19,163 47,358	\$28,195 19,163 47,368	\$28,195 19,163 47,358	\$28,195 19,163 47,358	\$28,195 19,163 47,356	\$28,195 19,163 47,358	\$28,195 19,163 47,358	\$28,195 19,163 47,358	\$9,983,976 \$1,260,199 \$11,244,175
¥	Cumulative-Regulatory Asset-Amortization			\$10,308,757	\$10,478,489	\$10,648,221 \$10,817,953	\$10,817,953	\$10,865,311	\$10,865,311 \$10,912,669	\$10,960,027		\$11,007,385 \$11,054,743	\$11,102,101	\$11,149,459	\$11,196,817	\$11,244,175	100
38 38	Regulatory Asset-Deferred O&M Expenses Carrying Cost 162382 Deferred O&M - Common and PMC Costs 182388 Book Depreciation - PMC and Common Total			\$1,108,838 117,480 \$1,226,318	\$7,722 906 \$8,628	\$8,982 906 \$9,888	\$9,182 906 \$10,088	\$8,281 2 \$8,283	\$8,477 2 \$8,479	\$8,671 2 \$8,673	\$8,883 2 \$8,885	\$9,106 2 \$9,108	\$9,325 2 \$9,327	\$9,540 2 \$9,542	\$9,747 2 \$9,749	\$9,995 2 \$9,997	1,216,749 120,216 \$1,336,865
8	Cumulative-Regulatory Asset-Deferrals			\$1,226,318	\$1,234,946	\$1,244,834	\$1,254,922	\$1,263,205	\$1,271,684	\$1,280,357	\$1,289,242	\$1,298,350	\$1,307,677	\$1,317,219	\$1,326,968	\$1,336,965	
8 4 4	Regulationy Asset-Total 182382 Deferred O&M - Common and PMO Costs 182382 Book Depreciation - PMO and Common Total			\$2,037,410 354,684 \$2,392,094	\$399,196 (35,125) \$364,071	(\$81,415) (35,125) (\$116,540)	(\$77,771) (35,125) (\$112,896)	\$24,743 (19,161) \$5,582	\$24,052 (19.161) \$4,891	\$24,476 (19,161) \$5,315	\$32,345 (18,161) \$13,184	\$29,929 (19,161) \$10,788	\$30,917 (19,161) \$11,756	\$28,539 (18,161) \$9,378	\$27,660 (19,161) \$8,489	\$47,292 (19,161) \$28,131	\$2,547,373 76,860 \$2,624,233
ā	Cumulative-Regulatory Asset-Total			\$2,382,084	\$2,756,166	\$2,639,625	\$2,526,729	\$2,532,311	\$2,537,202	\$2,542,517	\$2,555,701	\$2,566,469	\$2,578,225	\$2,587,603	\$2,598,102	\$2,624,233	

Carrying Cost Rate - Jan thru December

5.32%

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Annualized Property Taxes

		Vintage	Vintage Year 2012	Vintage 1	Vintage Year 2013	Vintage Y	Vintage Year 2014	Vintage Year 2015	ear 2015	
No.	Property Tax Expense (Amounts Exclude Post In-Service Carrying Costs)	15-Year General Plant	30-Year Distribution Plant	Total						
- 0	I DIA NICET AU REVENUE REQUIREMENT Current Year Investment Leas: FFLUC in-Service	\$11,550,525	\$866,164	\$15,345,055	\$7,988,510	\$4,358,406	\$675,242	(\$149,477)	(\$2,518)	\$40,631,907
0	Net Cost of Taxable Property	11,550,525	866,164	15,345,055	7,988,510	4,358,406	675,242	(149,477)	(2,518)	
4	Percent Good (4)	70.0%	85.0%	76.7%	88.3%	83.3%	81.7%	%0.06	95.0%	
ယ္ထ	True Value of Taxable Property (excluding PISCC) Valuation Percent	8,085,368	736,239	11,769,657	7,053,854	3,630,552	619,197	(134,529) 25%	(2,392)	
7	Total Taxable Value	2,021,342	184,060	2,942,414	1,783,464	869'206	154,799	(33,632)	(288)	
00	Net Property Tax Valuation	2,021,342	184,080	2,942,414	1,763,464	807,638	154,799	(33,632)	(989)	
on .	Property Tax Expense	\$199,836	\$18,197	\$290,896	\$174,341	\$88,732	\$15,304	(\$3,325)	(\$58)	\$784,922
5 1	Current Vear Investment Less. AFIIDC In-Service	\$6,191,130	\$866,164	\$9,349,001	\$7,988,510	\$3,903,288	\$675,242	(\$91,821)	(\$2,518)	\$28,878,996
0 1	Current Year Investment	\$6,191,130	\$866,164	\$9,349,001	\$7,988,510	\$3,903,288	\$675,242	(\$91,821)	(\$2,518)	\$28,878,996
- 2	Less, Art D.C. in control Net Cost of Taxable Property	6,191,130	866,164	9,349,001	7,988,510	3,903,288	675,242	(91,821)	(2,518)	
5	Percent Good (4)	70.0%	85.0%	76.7%	88.3%	83.3%	91.7%	%0.06	95.0%	
4 5	True Value of Taxable Property (excluding PISCC) Valuation Percent	4,333,791	736,239 25%	7,170,684	7,053,854	3,251,439	619,197	(82,639)	(2,392)	
16	Total Taxable Value	1,083,448	184,080	1,792,671	1,763,464	812,860	154,799	(20,660)	(598)	
11	Net Property Tax Valuation	1,083,448	184,060	1,792,671	1,763,464	812,860	154,789	(20,660)	(298)	
8	Property Tax Expense	\$107,113	\$18,197	\$177,229	\$174,341	\$80,362	\$15,304	(\$2,043)	(\$28)	\$570,444
8 4	Ohio Property Tax Calculation: Average Property Tax Rate per \$1,000 of Valuation	\$98.863		\$98.863		\$98.863		\$98.863		
	Note: Software is now subject to property tax in the state of Ohio									

^M From Cas Company Annual Report -Schedule C - 15 Year Class Life (General Plant) Schedule C - 30 Year Class Life (Distribution Plant) Gas

Schedule 11

Incremental O&M Savings Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR

Incremental (Savings)	-5,502,000	-3,476,000
Line No.	1 Amount Per Stipulation in Case No.10-2326-GE-RDR Amount included in base rates per Case No. 12-1685-GA-AIR	Net

Duke Energy Ohio Calculation of Rider AU Case No. 17-690-GA-RDR Charge Per Bill

Schedule 12 Gas

Source	Internal Company Data Internal Company Data	Schedule 1	Schedule 1A	line 6 - line 9	GAS ONLY ACCT RATE Credit for Gas Only customers Rider AU Rate for Gas\Elec Customers	Total Rider AU Revenue Requirement
Total	4,990,176 106,428 5,096,604	\$3,714,017 \$0 \$3,714,017	\$2,007,336 \$0 \$2,007,336	\$1,706,681	\$0.33 \$0.40 \$0.73	\$3,654,306 \$35,121 \$3,689,427
	Count Breakdown of Customer Bills Combo Accounts - Gas & Electric Gas Only Total	Revenue Requirement Breakdown 2015 Rider AU Revenue Requirement - Smart Grid Prior Year Undercollection Total Rider AU Revenue Requirement	Rider AU Revenue Requirement - Combo Account Customers Prior Year Undercollection Total Rider AU Revenue Requirement - Combo Account Customers	Rider AU Revenue Requirement - shared by all customers	Rider AU Charges per Bill Portion shared by all accounts (Line 10/Line 3) Portion for Combo Accounts only (Line 9 /Line 1) Total	Verification of Calculation # of Combo Customers x Combo Rate # of Gas Only Customers x Gas Only Rate
Line No.	+ 0 €	4 10 10	~ ∞ o	0	12 2 2	4 £ £ 9

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in

Case No(s). 17-0690-GA-RDR

Summary: Motion Motion of Duke Energy Ohio, Inc. to Amend Rider - AU for 2016 Grid Modernization Costs and Request for Expedited Treatment electronically filed by Mrs. Adele M. Frisch on behalf of Duke Energy Ohio, Inc. and Watts, Elizabeth H and D'Ascenzo, Rocco O