

For the 12 months ended: **12/31/2021**
 Rates effective: **6/1/2022**

of Work Papers
19

DESCRIPTION	Form No. 1 Page, Line, Col.	Per 2021 FERC Form 1		
		DEO	DEK	DEOK
GROSS PLANT IN SERVICE				
Production	205.46.g	\$ -	\$ 1,385,031,257	\$ 1,385,031,257
Transmission	207.58.g	1,262,220,857	95,965,669	1,358,186,526
Distribution	207.75.g	3,235,300,497	622,687,366	3,857,987,863
General & Intangible	205.5.g & 207.99.g	529,248,452	37,577,003	566,825,455
Common	356 (Total Common x Elec Dept %)	257,312,314	33,493,365	290,805,679
TOTAL GROSS PLANT		\$ 5,284,082,120	\$ 2,174,754,660	\$ 7,458,836,780
ACCUMULATED DEPRECIATION				
Production	219.20.c-219.24.c	\$ (14,090)	\$ 661,591,361	\$ 661,577,271
Transmission	219.25.c	184,126,973	10,382,698	194,509,671
Distribution	219.26.c	722,869,819	150,530,889	873,400,708
General & Intangible	200.21.c & 219.28.c	199,617,025	17,762,510	217,379,535
Common	356	106,737,430	21,155,645	127,893,075
TOTAL ACCUM. DEPRECIATION		\$ 1,213,337,157	\$ 861,423,103	\$ 2,074,760,260
NET PLANT IN SERVICE				
Production	Calculated	\$ 14,090	\$ 723,439,896	\$ 723,453,986
Transmission	Calculated	1,078,093,884	85,582,971	1,163,676,855
Distribution	Calculated	2,512,430,678	472,156,477	2,984,587,155
General & Intangible	Calculated	329,631,427	19,814,493	349,445,920
Common	Calculated	150,574,884	12,337,720	162,912,604
TOTAL NET PLANT		\$ 4,070,744,963	\$ 1,313,331,557	\$ 5,384,076,520
ADJUSTMENTS TO RATE BASE				
Account No. 281 (enter negative)	273.8.k	\$ -	\$ -	\$ -
Account No. 282 (enter negative)	Exhibit No. DUK-102, Pg. 1	(582,832,783)	(200,892,969)	(783,725,752)
Account No. 283 (enter negative)	Exhibit No. DUK-102, Pg. 1	(34,041,592)	(31,068,273)	(65,109,865)
Account No. 190	Exhibit No. DUK-102, Pg. 1	25,010,666	28,657,310	53,667,976
Net (Excess) / Deficient Deferred Tax Adj. (Account No. 182.3 and 254)	DIT Worksheet, x.g	(241,983,656)	(60,334,056)	(302,317,712)
Account No. 255 (enter negative)	267.8.h	0	0	0
TOTAL ADJUSTMENTS		\$ (833,847,365)	\$ (263,637,989)	\$ (1,097,485,353)
LAND HELD FOR FUTURE USE (Note G)	214.x.d [Exhibit No. DUK-102, Pg. 3]	\$ 22,132	\$ -	\$ 22,132
WORKING CAPITAL				
CWC	calculated	\$ 9,814,149	\$ 3,044,175	\$ 12,858,324
Materials & Supplies (Note G)	Exhibit No. DUK-102, Pg. 2	16,882,270	402	16,882,672
Prepayments (Account 165)	111.57.c [Exhibit No. DUK-102, Pg. 18]	3,780	1,202,355	1,206,135
TOTAL WORKING CAPITAL		\$ 26,700,199	\$ 4,246,932	\$ 30,947,131
RATE BASE		\$ 3,263,619,929	\$ 1,053,940,500	\$ 4,317,560,430
O&M				
Transmission	321.112.b	\$ 48,095,524	\$ 25,679,253	\$ 73,774,777
Less LSE Expenses included in Transmission O&M Accounts (Note V)	Exhibit No. DUK-102, Pg. 17	26,151,066	3,907,217	30,058,283
Less Midwest ISO Exit Fees included in Transmission O&M	(Note X)	0	0	0
Less EPRI Annual Membership Dues (Note I)	Exhibit No. DUK-102, Pg. 4	88,543	11,225	99,768
Less Account 565	321.96.b	0	19,455,367	19,455,367
A&G	Exhibit No. DUK-102, Pg. 5	59,267,552	23,024,646	82,292,198
PBOP Expense excluding Pension Expense included in line 3 for information only	(Note E) [Exhibit No. DUK-102, Pg. 11-12]	1,160,616	80,042	1,240,658
Less PJM Integration Costs included in A&G	(Note Y)	0	0	0
Less Internal Integration Costs included in A&G		0	0	0
Less FERC Annual Fees	350.b	0	0	0
Less EPRI & Reg. Comm. Exp. & Non-safety Advertising (Note I)	Exhibit No. DUK-102, Pg. 4	2,610,275	976,690	3,586,965
Plus Transmission Related Reg. Comm. Exp. (Note I)		0	0	0
Common	356	0	0	0
Transmission Lease Payments		0	0	0
TOTAL O&M (sum lines 1, 3, 5a, 6, 7 less lines 1a, 1b, 1c, 2, 3b, 4, 5)		\$ 78,513,192	\$ 24,353,400	\$ 102,866,592
DEPRECIATION EXPENSE				
Transmission	336.7.f	\$ 22,721,892	\$ 1,960,755	\$ 24,682,647
General & Intangible	336.1.f & 336.10.f	37,523,178	3,998,612	41,521,790
Common	336.11.f	10,300,163	67,403	10,367,566
TOTAL DEPRECIATION (Sum lines 9 - 11)		\$ 70,545,233	\$ 6,026,770	\$ 76,572,003
TAXES OTHER THAN INCOME TAXES				
LABOR RELATED				
Payroll	[263.i]*	\$ 3,549,520	\$ 1,798,074	\$ 5,347,594

For the 12 months ended: **12/31/2021**
Rates effective: **6/1/2022**

of Work Papers
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DESCRIPTION	Form No. 1 Page, Line, Col.	Per 2021 FERC Form 1		
		DEO	DEK	DEOK
Highway and vehicle	[263.i]*	0	0	0
PLANT RELATED				
Property	[263.i]*	197,785,413	14,497,979	212,283,392
Gross Receipts	[263.i]*	2,561,810	0	2,561,810
Other	[263.i]*	0	0	0
Payments in lieu of taxes	[263.i]*	0	0	0
TOTAL OTHER TAXES (sum lines 13 - 19)		\$ 203,896,743	\$ 16,296,053	\$ 220,192,796
* FF1 reference to 263.i changed to 263.l in new XBRL format				
INCOME TAXE RATES				
Federal Income Tax (FIT)		21.000000%	21.000000%	
State Income Tax (SIT) or Composite SIT	Exhibit No. DUK-102, Pg. 6	0.000000%	5.000000%	
(percent of federal income tax deductible for state purposes)		0.000000%	0.000000%	
Effective Income Tax Rate		21.000000%	24.950000%	
Amortized Investment Tax Credit	266.8.f (enter negative)	(39,517)	(428)	(39,945)
Amortization of Excess/Deficient Deferred Income Taxes (Note O)	DIT Worksheet, x.d and x.e	(16,748,380)	(4,322,475)	(21,070,855)
TRANSMISSION PLANT INCLUDED IN ISO RATES				
Less transmission plant excluded from ISO rates (Note M)		0	0	0
Less transmission plant included in OATT Ancillary Services (Note N)	Exhibit No. DUK-102, Pg. 7	0	17,045,647	17,045,647
TRANSMISSION EXPENSES				
(561.1) Load Dispatch-Reliability	321.85.b	649,781	74,182	723,963
(561.2) Load Dispatch-Monitor & Operate Transmission System	321.86.b	2,856,931	361,043	3,217,974
(561.3) Load Dispatch-Transmission Service & Scheduling	321.87.b	389,837	46,470	436,307
Less transmission expenses included in OATT Ancillary Services (Note L)	321.85-87.b	3,896,549	481,695	4,378,244
WAGES & SALARY ALLOCATOR (W&S)				
		\$	\$	
Production	354.20.b	161,845	12,898,341	13,060,186
Transmission	354.21.b	6,012,840	765,355	6,778,195
Distribution	354.23.b	20,016,905	2,991,586	23,008,491
Other	354.24,25,26.b	10,117,964	2,013,609	12,131,573
Total (sum lines 12-15)		36,309,554	18,668,891	54,978,445
COMMON PLANT ALLOCATOR (CE) (Note O)				
		\$	\$	
Electric	200.3.c	4,723,553,185	1,979,969,127	6,703,522,312
Gas	201.3.d	2,467,046,760	701,052,507	3,168,099,267
Water	201.3.e	0	0	0
Total (sum lines 17 - 19)		7,190,599,945	2,681,021,634	9,871,621,579
RETURN (R)				
Interest on Long-Term Debt (427)	117.62.c	96,755,556	25,860,084	122,615,640
Amort. Of Debt Disc. And Expense (428)	117.63.c	3,431,972	555,657	3,987,629
Amort. Of Loss on Reacquired Debt (428.1)	117.64.c	363,651	122,723	486,374
(Less) Amort. Of Premium on Debt-Credit (429)	117.65.c	(473,735)	-	(473,735)
(Less) Amort. Of Gain on Reacquired Debt-Credit (429.1)	117.66c	-	-	0
Interest on Debt to Assoc. Companies (430)	117.67.c	357,340	141,453	498,793
Long Term Interest	117.62.c-67.c	100,434,784	26,679,917	127,114,701
Preferred Dividends	118.29.c (positive number)	0	0	0
Development of Common Stock:				
Proprietary Capital	112.16.c [Exhibit No. DUK-102, Pg. 9]	3,728,320,648	821,642,468	4,549,963,116
(Less) Preferred Stock	112.3.c	0	0	0
(Less) Account 216.1	112.12.c (enter negative)	(740,983,069)	0	(740,983,069)
Common Stock		2,987,337,579	821,642,468	3,808,980,047
	(Note P)	\$	\$	
Bonds (221)	112.18.c	1,850,000,000	0	1,850,000,000
(Less) Reacquired Bonds (222)	112.19.c	0	0	0
Advances from Associated Companies (223)	112.20.c	0	25,000,000	25,000,000
Other Long-Term Debt (224)	112.21.c	650,000,000	706,720,000	1,356,720,000
Long Term Debt	112, 18.c-21.c	2,500,000,000	731,720,000	3,231,720,000
Preferred Stock	112.3.c	0	0	0
Common Stock	page 4 of 6, line 26	2,987,337,579	821,642,468	3,808,980,047

For the 12 months ended: **12/31/2021**
 Rates effective: **6/1/2022**

of Work Papers
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DESCRIPTION	Form No. 1 Page, Line, Col.	Per 2021 FERC Form 1		
		DEO	DEK	DEOK
Total (sum lines 27-29)		5,487,337,579	1,553,362,468	7,040,700,047
REVENUE CREDITS				
a. Bundled Non-RQ Sales for Resale	311.x.h	0	0	0
b. Bundled Sales for Resale included in Divisor on page 1		0	0	0
Total of (a)-(b)				
ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)	Exhibit No. DUK-102, Pg. 8	\$ 299,324	\$ 133,097	\$ 432,421
ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U)	Exhibit No. DUK-102, Pg. 8	\$ 1,762,464	\$ 82,619	\$ 1,845,083
ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note W)	Exhibit No. DUK-102, Pg. 8	\$ 1,180,461	\$ -	\$ 1,180,461
ROE - Docket Nos. ER12-91-000 and ER12-92-000 (Settlement)		11.38%	11.38%	11.38%
Revenue Requirement	Page 1 of 6, Line 7	\$ 190,757,917	\$ 9,303,566	\$ 200,061,483
FERC Refund Rate		3.25%		

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2021

Rate Formula Template
Utilizing FERC Form 1 Data

DUKE ENERGY OHIO AND DUKE ENERGY KENTUCKY (DEOK)

Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT	DEO + DEK			\$ 203,481,132
	REVENUE CREDITS				
2	Account No. 454	DEO + DEK			\$ 408,780
3	Account No. 456.1	DEO + DEK			1,830,408
4a	Revenues from Grandfathered Interzonal Transactions				-
4b	Revenues from service provided by ISO at a discount				-
5	Legacy MTEP Credit (Account 456.1)	DEO + DEK			1,180,461
	Corrections Related to Prior Year Filings				41,165
6	TOTAL REVENUE CREDITS (sum lines 2-5)				\$ 3,460,814
7	NET REVENUE REQUIREMENT	(line 1 minus line 6)			<u>\$ 200,020,318</u>
	DIVISOR				
8	1 CP	DEO + DEK			5,303,000
9	12 CP	DEO + DEK			4,223,250
10	Reserved				
11	Reserved				
12	Reserved				
13	Reserved				
14	Reserved				
15	Annual Cost (\$/kW/Yr) - 1 CP	(line 7 / line 8)	\$37.718		
16	Annual Cost (\$/kW/Yr) - 12 CP	(line 7 / line 9)	\$47.362		
17	Network Rate (\$/kW/Mo)	(line 15 / 12)	\$3.143		
17a	Point-To-Point Rate (\$/kW/Mo)	(line 16 / 12)	\$3.947		
			Peak Rate		Off-Peak Rate
18	Point-To-Point Rate (\$/kW/Wk)	(line 16 / 52; line 16 / 52)	\$0.911		
19	Point-To-Point Rate (\$/kW/Day)	(line 16 / 260; line 16 / 365)	\$0.182 Capped at weekly rate		\$0.130
20	Point-To-Point Rate (\$/MWh)	(line 16 / 4,160; line 16 / 8,760 * 1,000)	\$0.011 Capped at weekly and daily rate		\$5.407

For the 12 months ended: 12/31/2021

DUKE ENERGY OHIO AND DUKE ENERGY KENTUCKY (DEOK)
Transmission Formula Rate Revenue Requirement
Utilizing FERC Form 1 Data
For Rates Effective June 1, 2022

Schedule 1A Rate Calculation

Line No.	Source	Revenue Requirement
A. Schedule 1A Annual Revenue Requirements		
1	Total Load Dispatch & Scheduling (Account 561)	Attachment H-22A, Page 4, Line 7 \$ 4,378,244
2	Revenue Credits for Schedule 1A - Note A	\$ 140,910
3	Net Schedule 1A Revenue Requirement for Zone	\$ 4,237,334
B. Schedule 1A Rate Calculations		
4	2021 Annual MWh - Note B	Company Records 26,394,348 MWh
5	Schedule 1A rate \$/MWh	(Line 3 / Line 4) \$0.1605 \$/MWh

Note:

- A Revenue received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of DEOK's zone during the year used to calculate rates under Attachment H-22A.
- B The annual MWh used by all transmission customers per PJM MSRS report.

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY OHIO AND DUKE ENERGY KENTUCKY (DEOK)
RTEP - Transmission Enhancement Charges

Network Upgrade Charge Calculation By Project

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge
			(Note C)	(Page 1, line 9)		(Note D)	(Page 1, line 14)		(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a	Tanner Creek - Miami Fort 345kV line	b2831.2	\$ 21,145,094		\$ 1,454,782	\$ 20,999,679		\$ 1,646,375	\$ 201,284	\$ 3,302,441	\$ -	\$ 3,302,441
1b			\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
1c			\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$3,302,441	\$0	\$3,302,441
3	RTEP Transmission Enhancement Charges for Attachment H-22A											\$3,302,441

Note Letter

- A Gross Transmission Plant is that identified on page 2, line 2 of Attachment H-22A.
- B Net Transmission Plant is that identified on page 2, line 14 of Attachment H-22A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-22A page 3 line 12.
- F True-Up Adjustment is included pursuant to a FERC approved methodology if applicable.
- G The Network Upgrade Charge is the value to be used in Schedule 12.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY OHIO AND DUKE ENERGY KENTUCKY (DEOK)
MTEP - Transmission Enhancement Charges

Network Upgrade Charge Calculation By Project

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Line No.	Project Name	MTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge
		(Note C)	(Page 1, line 9)			(Note D)	(Page 1, line 14)		(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a	Hillcrest 345 kV	91	\$ 17,171,005		\$ 1,181,365	\$ 15,773,028		\$ 1,236,605	\$ 308,282	\$ 2,726,252	\$ -	\$ 2,726,252
1b	Project 2	P2	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
1c	Project 3	P3	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$2,726,252	\$0	\$2,726,252
3	MTEP Transmission Enhancement Charges											\$2,726,252

Note Letter

- A Gross Transmission Plant is that identified on page 2, line 2 of Attachment H-22A.
- B Net Transmission Plant is that identified on page 2, line 14 of Attachment H-22A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-22A page 3 line 12.
- F True-Up Adjustment is included pursuant to a FERC approved methodology if applicable.
- G The Network Upgrade Charge is the value to be used in Schedule 26.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.

**DUKE ENERGY OHIO, INC.
DEPRECIATION RATES**

<u>FERC Account Number</u> (A)	<u>Company Account Number</u> (B)	<u>Description</u> (C)	<u>Actual Accrual Rates</u> (D) %
Wholly Owned Transmission Plant			
350	3403	Rights of Way	1.54
352	3420	Structures & Improvements	1.90
352	3424	Structures & Improvements - Duke Ohio - Loc. in Ky.	1.90
353	3430	Station Equipment	1.68
353	3434	Station Equipment - Duke Ohio - Loc. in Ky.	1.68
354	3440	Towers & Fixtures	1.85
354	3444	Towers & Fixtures - Duke Ohio - Loc. in Ky.	1.85
355	3450	Poles & Fixtures	2.31
355	3454	Poles & Fixtures - Duke Ohio - Loc. in Ky.	2.31
356	3460	Overhead Conductors & Devices	1.91
356	3464	Overhead Conductors & Devices - Duke Ohio - Loc. in Ky.	1.91
357	3470	Underground Conduit	1.43
358	3480	Underground Conductors & Devices	2.37
Commonly Owned Transmission Plant - CCD Projects			
352	3421	Structures & Improvements - CCD Projects	2.50
352	3425	Structures & Improvements - CCD Projects	2.50
353	3431	Station Equipment - CCD Projects	2.86
353	3432	Station Equipment - CCD Projects	2.86
353	3435	Station Equipment - CCD Projects	2.86
353	3437	Station Equipment - CCD Projects	2.86
354	3441	Towers & Fixtures - CCD Projects	3.00
354	3442	Towers & Fixtures - CCD Projects	3.00
354	3445	Towers & Fixtures - CCD Projects	3.00
354	3446	Towers & Fixtures - CCD Projects - Loc. In Ky.	3.00
354	3448	Towers & Fixtures - CCD Projects	3.00
355	3451	Poles & Fixtures - CCD Projects	3.00
355	3455	Poles & Fixtures - CCD Projects	3.00
356	3461	Overhead Conductors & Devices - CCD Projects	2.50
356	3462	Overhead Conductors & Devices - CCD Projects	2.50
356	3465	Overhead Conductors & Devices - CCD Projects	2.50
356	3466	Overhead Conductors & Devices - CCD Projects - Loc. In Ky.	2.50
Commonly Owned Transmission Plant - CD Projects			
352	3423	Structures & Improvements - CD Projects	2.50
353	3433	Station Equipment - CD Projects	2.86
353	3438	Station Equipment - CD Projects	2.86
354	3447	Towers & Fixtures - CD Projects	3.00
356	3467	Overhead Conductors & Devices - CD Projects	2.50

**DUKE ENERGY OHIO, INC.
DEPRECIATION RATES**

FERC Account Number (A)	Company Account Number (B)	Description (C)	Actual Accrual Rates (D) %
General and Intangible Plant			
303	3030	Miscellaneous Intangible Plant - 5 Year	20.00
303	30310	Miscellaneous Intangible Plant - 10 Year	10.00
389	3890	Land and Land Rights	N/A
390	3900	Structures and Improvements	4.20
391	3910	Office Furniture and Equipment	5.00
391	3911	Electronic Data Processing Equipment	20.00
392	3920	Transportation Equipment	9.09
392	3921	Trailers	4.13
393	3930	Stores Equipment	5.00
394	3940	Tools, Shop & Garage Equipment	4.00
395	3950	Laboratory Equipment	6.67
396	3960	Power Operated Equipment	5.29
397	3970	Communication Equipment	6.67
398	3980	Miscellaneous Equipment	5.00
Common Plant			
	1030	Miscellaneous Intangible Plant	20.00
	1701	Common AMI Meters	6.67
	1890	Land and Land Rights	N/A
	1900	Structures and Improvements	3.29
	1910	Office Furniture and Equipment	5.00
	1911	Electronic Data Processing Equipment	20.00
	1920	Transportation Equipment	8.33
	1921	Trailers	4.13
	1930	Stores Equipment	5.00
	1940	Tools, Shop & Garage Equipment	4.00
	1960	Power Operated Equipment	5.29
	1970	Communication Equipment	6.67
	1980	Micellaneous Equipment	5.00

**DUKE ENERGY KENTUCKY, INC.
DEPRECIATION RATES**

<u>FERC Account Number</u> (A)	<u>Company Account Number</u> (B)	<u>Description</u> (C)	<u>Actual Accrual Rates</u> (D) %
Transmission Plant			
350	3501	Rights of Way	1.27
352	3520	Structures & Improvements	1.96
353	3530	Station Equipment	2.16
353	3532	Station Equipment - Major	1.73
353	3535	Station Equipment - Electronic	2.16
355	3550	Poles & Fixtures	1.76
356	3560	Overhead Conductors & Devices	1.91
General and Intangible Plant			
303	3030	Miscellaneous Intangible Plant - 5 Year	20.00
303	30310	Miscellaneous Intangible Plant - 10 Year	10.00
390	3900	Structures and Improvements	3.40
391	3910	Office Furniture and Equipment	5.00
391	3911	Electronic Data Processing Equipment	20.00
392	3921	Trailers	3.84
394	3940	Tools, Shop & Garage Equipment	4.00
397	3970	Communication Equipment	6.67
Common Plant			
	1030	Miscellaneous Intangible Plant	20.00
	1900	Structures and Improvements	1.26
	1910	Office Furniture and Equipment	5.00
	1911	Electronic Data Processing Equipment	20.00
	1940	Tools, Shop & Garage Equipment	4.00
	1970	Communication Equipment	6.67
	1980	Miscellaneous Equipment	6.67

For the 12 months ended: 12/31/2021

Duke Energy Ohio, Inc.
Protected Federal Excess/Deficient Deferred Income Tax Worksheet

Line No.	Offset (Dr.)/Cr. <u>Deferred Income Tax Remeasurement</u>	Dr./ (Cr.) <u>190</u> (b)	Dr./ (Cr.) <u>282</u> (c)	Dr./ (Cr.) <u>283</u> (d)	Dr./ (Cr.) <u>Total</u> (e)
1	Pre-Remeasurement ADIT	\$ 25,011,816	\$ (485,389,618)	\$ -	\$ (460,377,802)
2	Post-Remeasurement ADIT	<u>9,708,141</u>	<u>(291,233,771)</u>	<u>-</u>	<u>(281,525,630)</u>
3	ADIT Remeasurement Total	\$ (15,303,675)	\$ 194,155,847	\$ -	\$ 178,852,172
4	182.3 ⁽⁶⁾	\$ -	\$ -	\$ -	\$ -
5	254 (Gross-up Only)	-	-	-	-
6	254 (Exclude Gross-up)	-	-	-	-
7	Balance Sheet Only Total	\$ -	\$ -	\$ -	\$ -
8	Deferred Debits	\$ -	\$ -	\$ -	\$ -
9	Deferred Credits	-	-	-	-
10	182.3	-	-	-	-
11	Deferred Debits	-	194,155,847	-	194,155,847
12	Deferred Credits	(15,303,675)	-	-	(15,303,675)
13	254	<u>(15,303,675)</u>	<u>194,155,847</u>	<u>-</u>	<u>178,852,172</u>
14	Excess / (Deficient) DIT Total	\$ (15,303,675)	\$ 194,155,847	\$ -	\$ 178,852,172
15	Debits	\$ -	\$ -	\$ -	\$ -
16	Credits	-	-	-	-
17	411.2	-	-	-	-
18	Def. Income Tax Expense Total	\$ -	\$ -	\$ -	\$ -
19	Total Change in Excess / (Deficient) DIT (Line 7 + Line 14 + Line 18)	<u>\$ (15,303,675)</u>	<u>\$ 194,155,847</u>	<u>\$ -</u>	<u>\$ 178,852,172</u>

	(a)	(b) ¹ Amortization Rate	(c) Beginning year balance	(d) ^{2/4} = (b) x (System Level Balance) Current year Amortization 411.1	(e) ^{2/4} = (b) x (System Level Balance) Current year Amortization 410.1	(f) ³ DIT Reclass to Unprotected	(g) ⁵ = (c-d-e-f) Remaining Balance
20	2018	0.00%	\$ 178,852,172	\$ -	\$ -	\$ 4,411,418	\$ 174,440,754
21	2019	0.88%	174,440,754	1,543,210	-	(1,114,768)	174,012,312
22	2020	3.77%	174,012,312	6,561,905	-	984,486	166,465,921
23	2021	3.55%	166,465,921	5,902,699	-	-	160,563,223

Notes:

- (1) Protected Excess Federal ADIT is amortized using ARAM, which will change over time. DEO uses the best available ARAM when setting rates during the annual update process. DEO incorporates updated ARAM into the following year's annual updates.
- (2) Excess / (Deficient) Deferred Income Tax for all years is amortized to accounts 410.1 or 411.1, as appropriate. The ADIT source account for amortization is determined based on the proportion of the ADIT balance that was transferred to Line 14, Excess / (Deficient) DIT Total. Current year amortization amounts may include true-up adjustments as necessary to reflect actual annual DIT amortization.
- (3) DEO reclassified the OATT portion of the Protected Excess/(Deficient) DIT to Unprotected Excess/(Deficient) DIT. This amount is included in the Unprotected Excess/(Deficient) DIT balance to return to customers.
- (4) To Page 3, Line 25
- (5) To Page 2, Line 23
- (6) The combined gross-up of the protected and unprotected Excess/(Deficient) DIT regulatory liability/asset is presented on the unprotected worksheet.

For the 12 months ended: 12/31/2021

Duke Energy Ohio, Inc.
Unprotected Federal Excess/Deficient Deferred Income Tax Worksheet

Line No.	Offset (Dr.)/Cr. <u>Deferred Income Tax Remeasurement</u>	Dr./(Cr.) 190 (a)	Dr./(Cr.) 282 (c)	Dr./(Cr.) 283 (d)	Dr./(Cr.) Total (e)
1	Pre-Remeasurement ADIT	\$ 14,987,165	\$ (309,037,093)	\$ (40,578,234)	\$ (334,628,162)
2	Post-Remeasurement ADIT	<u>90,463,734</u>	<u>(184,747,541)</u>	<u>(25,373,494)</u>	<u>(119,657,301)</u>
3	ADIT Remeasurement Total	\$ 75,476,569	\$ 124,289,552	\$ 15,204,740	\$ 214,970,861
4	182.3 ⁽⁶⁾	\$ -	\$ 32,534,619	\$ -	\$ 32,534,619
5	254 (Gross-up only)	79,217,273	-	-	79,217,273
6	254 (Exclude Gross-up)	<u>(236,711)</u>	<u>-</u>	<u>-</u>	<u>(236,711)</u>
7	Balance Sheet Only Total	\$ 78,980,562	\$ 32,534,619	\$ -	\$ 111,515,181
8	Deferred Debits	\$ -	\$ -	\$ -	\$ -
9	Deferred Credits	-	-	-	-
10	182.3	-	-	-	-
11	Deferred Debits	3,360,269	121,481,175	17,985,167	142,826,611
12	Deferred Credits	<u>(6,864,262)</u>	<u>(29,413,472)</u>	<u>(2,722,830)</u>	<u>(39,000,564)</u>
13	254	<u>(3,503,993)</u>	<u>92,067,703</u>	<u>15,262,337</u>	<u>103,826,047</u>
14	Excess / (Deficient) DIT Total	\$ (3,503,993)	\$ 92,067,703	\$ 15,262,337	\$ 103,826,047
15	Debits	\$ -	\$ -	\$ -	\$ -
16	Credits	-	-	-	-
17	411.2	-	<u>(312,770)</u>	<u>(57,597)</u>	<u>(370,367)</u>
18	Def. Income Tax Expense Total	\$ -	\$ (312,770)	\$ (57,597)	\$ (370,367)
19	Total Change in Excess / (Deficient) DIT (Line 7 + Line 14 + Line 18)	\$ 75,476,569	\$ 124,289,552	\$ 15,204,740	\$ 214,970,861

	(a) Year	(b) ¹ Amortization Rate	(c) Beginning year balance	(d) ^{2/4} = (b) x (System Level Balance) Current year Amortization 411.1	(e) ^{2/4} = (b) x (System Level Balance) Current year Amortization 410.1	(f) ³ DIT Reclass to Unprotected	(g) ⁵ = (c-d-e-f) Remaining Balance
20	2018	10.00%	\$ 103,826,047	\$ -	\$ -	\$ (4,411,418)	\$ 108,237,465
21	2019	10.00%	108,237,465	6,657,667	-	1,114,768	100,465,029
22	2020	10.00%	100,465,029	9,183,400	-	(984,486)	92,266,115
23	2021	10.00%	92,266,115	10,845,682	-	-	81,420,433

Notes:

- (1) Unprotected Excess/(Deficient) Federal ADIT is amortized over ten years.
- (2) Excess / (Deficient) Deferred Income Tax for all years is amortized to accounts 410.1 or 411.1, as appropriate. The ADIT source account for amortization is determined based on the proportion of the ADIT balance that was transferred to Line 14, Excess / (Deficient) DIT Total. Current year amortization amounts may include true-up adjustments as necessary to reflect actual annual DIT amortization.
- (3) DEO reclassified the OATT portion of the Protected Excess/(Deficient) DIT to Unprotected Excess/(Deficient) DIT. This amount is included in the Unprotected Excess/(Deficient) DIT balance to return to customers.
- (4) To Page 3, Line 25
- (5) To Page 2, Line 23
- (6) The combined gross-up of the protected and unprotected Excess/(Deficient) DIT regulatory liability/asset is presented on the unprotected worksheet.

For the 12 months ended: 12/31/2021

Duke Energy Kentucky, Inc.
Protected Federal Excess/Deficient Deferred Income Tax Worksheet

Line No.	Offset (Dr.)/Cr. <u>Deferred Income Tax Remeasurement</u> (a)	Dr./(Cr.) <u>190</u> (b)	Dr./(Cr.) <u>282</u> (c)	Dr./(Cr.) <u>283</u> (d)	Dr./(Cr.) <u>Total</u> (e)
1	Pre-Remeasurement ADIT	\$ -	\$ (119,539,268)	\$ -	\$ (119,539,268)
2	Post-Remeasurement ADIT	-	(71,723,561)	-	(71,723,561)
3	ADIT Remeasurement Total	\$ -	\$ 47,815,707	\$ -	\$ 47,815,707
4	182.3 ⁽⁶⁾	\$ -	\$ -	\$ -	\$ -
5	254 (Gross-up only)	-	-	-	-
6	254 (Exclude Gross-up)	-	-	-	-
7	Balance Sheet Only Total	\$ -	\$ -	\$ -	\$ -
8	Deferred Debits	\$ -	\$ -	\$ -	\$ -
9	Deferred Credits	-	-	-	-
10	182.3	-	-	-	-
11	Deferred Debits	-	47,815,707	-	47,815,707
12	Deferred Credits	-	-	-	-
13	254	-	47,815,707	-	47,815,707
14	Excess / (Deficient) DIT Total	\$ -	\$ 47,815,707	\$ -	\$ 47,815,707
15	Debits	\$ -	\$ -	\$ -	\$ -
16	Credits	-	-	-	-
17	411.2	-	-	-	-
18	Def. Income Tax Expense Total	\$ -	\$ -	\$ -	\$ -
19	Total Change in Excess / (Deficient) DIT (Line 7 + Line 14 + Line 18)	\$ -	\$ 47,815,707	\$ -	\$ 47,815,707

	(a) Year	(b) ¹ Amortization Rate	(c) Beginning year balance	(d) ^{2/4} = (b) x (System Level Balance) Current year Amortization 411.1	(e) ^{2/4} = (b) x (System Level Balance) Current year Amortization 410.1	(f) ³ DIT Reclass to Unprotected	(g) ⁵ = (c-d-e-f) Remaining Balance
20	2018	0.61%	\$ 47,815,707	\$ 292,642	\$ -	\$ 146,320	\$ 47,376,745
21	2019	1.54%	47,376,745	729,855	-	-	46,646,890
22	2020	0.08%	46,646,890	39,035	-	-	46,607,856
23	2021	1.90%	46,607,856	886,481	-	-	45,721,375

Notes:

- (1) Protected Excess Federal ADIT is amortized using ARAM, which will change over time. DEK uses the best available ARAM when setting rates during the annual update process. DEK incorporates updated ARAM into the following year's annual updates.
- (2) Excess / (Deficient) Deferred Income Tax for all years is amortized to accounts 410.1 or 411.1, as appropriate. The ADIT source account for amortization is determined based on the proportion of the ADIT balance that was transferred to Line 14, Excess / (Deficient) DIT Total. Current year amortization amounts may include true-up adjustments as necessary to reflect actual annual DIT amortization.
- (3) DEK reclassified the OATT portion of the Protected Excess/(Deficient) DIT to Unprotected Excess/(Deficient) DIT. This amount is included in the Unprotected Excess/(Deficient) DIT balance to return to customers.
- (4) To Page 3, Line 25
- (5) To Page 2, Line 23
- (6) The combined gross-up of the protected and unprotected Excess/(Deficient) DIT regulatory liability/asset is presented on the unprotected worksheet.

For the 12 months ended: 12/31/2021

Duke Energy Kentucky, Inc.
Unprotected Federal Excess/Deficient Deferred Income Tax Worksheet

Line No.	Offset (Dr.)/Cr. Deferred Income Tax Remeasurement (a)	Dr./(Cr.) 190 (b)	Dr./(Cr.) 282 (c)	Dr./(Cr.) 283 (d)	Dr./(Cr.) Total (e)
1	Pre-Remeasurement ADIT	\$ 22,784,880	\$ (118,861,349)	\$ (32,750,824)	\$ (128,827,293)
2	Post-Remeasurement ADIT	<u>39,533,091</u>	<u>(76,083,486)</u>	<u>(21,737,213)</u>	<u>(58,287,607)</u>
3	ADIT Remeasurement Total	\$ 16,748,211	\$ 42,777,864	\$ 11,013,611	\$ 70,539,686
4	182.3 ⁽⁶⁾	\$ -	\$ 1,908,088	\$ -	\$ 1,908,088
5	254 (Gross-up only)	<u>24,314,998</u>	-	-	<u>24,314,998</u>
6	254 (Exclude Gross-up)	-	-	-	-
7	Balance Sheet Only Total	\$ 24,314,998	\$ 1,908,088	\$ -	\$ 26,223,086
8	Deferred Debits	\$ -	\$ -	\$ -	\$ -
9	Deferred Credits	-	-	-	-
10	182.3	-	-	-	-
11	Deferred Debits	<u>1,205,432</u>	<u>29,548,968</u>	<u>13,735,205</u>	<u>44,489,605</u>
12	Deferred Credits	<u>(8,772,219)</u>	<u>(7,574,296)</u>	<u>(2,721,594)</u>	<u>(19,068,109)</u>
13	254	<u>(7,566,787)</u>	<u>21,974,672</u>	<u>11,013,611</u>	<u>25,421,496</u>
14	Excess / (Deficient) DIT Total	\$ (7,566,787)	\$ 21,974,672	\$ 11,013,611	\$ 25,421,496
15	Debits	\$ -	\$ -	\$ -	\$ -
16	Credits	-	-	-	-
17	411.2	-	<u>18,895,103</u>	-	<u>18,895,103</u>
18	Def. Income Tax Expense Total	\$ -	\$ 18,895,103	\$ -	\$ 18,895,103
19	Total Change in Excess / (Deficient) DIT (Line 7 + Line 14 + Line 18)	\$ 16,748,211	\$ 42,777,864	\$ 11,013,611	\$ 70,539,686

	(a) Year	(b) ¹ Amortization Rate	(c) Beginning year balance	(d) ^{2/4} = (b) x (System Level Balance) Current year Amortization 411.1	(e) ^{2/4} = (b) x (System Level Balance) Current year Amortization 410.1	(f) ³ DIT Reclass to Unprotected	(g) ⁵ = (c-d-e-f) Remaining Balance
20	2018	10.00%	\$ 25,421,496	\$ 2,202,186	\$ -	\$ (146,320)	\$ 23,365,631
21	2019	10.00%	23,365,631	3,254,797	-	-	20,110,834
22	2020	10.00%	20,110,834	3,303,279	-	-	16,807,556
23	2021	10.00%	16,807,556	3,303,279	-	-	13,504,277

Notes:

- (1) Unprotected Excess/(Deficient) Federal ADIT is amortized over ten years.
- (2) Excess / (Deficient) Deferred Income Tax for all years is amortized to accounts 410.1 or 411.1, as appropriate. The ADIT source account for amortization is determined based on the proportion of the ADIT balance that was transferred to Line 14, Excess / (Deficient) DIT Total. Current year amortization amounts may include true-up adjustments as necessary to reflect actual annual DIT amortization.
- (3) DEK reclassified the OATT portion of the Protected Excess/(Deficient) DIT to Unprotected Excess/(Deficient) DIT. This amount is included in the Unprotected Excess/(Deficient) DIT balance to return to customers.
- (4) To Page 3, Line 25
- (5) To Page 2, Line 23
- (6) The combined gross-up of the protected and unprotected Excess/(Deficient) DIT regulatory liability/asset is presented on the unprotected worksheet.

For the 12 months ended: 12/31/2021

Duke Energy Kentucky, Inc.
Unprotected State Excess/Deficient Deferred Income Tax Worksheet

Line No.	Offset (Dr.)/Cr. Deferred Income Tax Remeasurement (a)	Dr./(Cr.) 190 (b)	Dr./(Cr.) 282 (c)	Dr./(Cr.) 283 (d)	Dr./(Cr.) Total (e)
1	Pre-Remeasurement ADIT	\$ 8,274,931	\$ (24,389,390)	\$ (4,617,595)	\$ (20,732,054)
2	Post-Remeasurement ADIT	8,163,559	(23,131,260)	(4,361,585)	(19,329,285)
3	ADIT Remeasurement Total	\$ (111,372)	\$ 1,258,130	\$ 256,010	\$ 1,402,769
4	182.3	\$ -	\$ 6,249	\$ -	\$ 6,249
5	254 (Gross-up only)	441,430	-	-	441,430
6	254 (Exclude Gross-up)	(374,507)	-	-	(374,507)
7	Balance Sheet Only Total	\$ 66,923	\$ 6,249	\$ -	\$ 73,173
8	Deferred Debits	\$ -	\$ -	\$ -	\$ -
9	Deferred Credits	-	-	-	-
10	182.3	-	-	-	-
11	Deferred Debits	-	1,251,881	256,010	1,507,891
12	Deferred Credits	(178,295)	-	-	(178,295)
13	254	(178,295)	1,251,881	256,010	1,329,596
14	Excess / (Deficient) DIT Total	\$ (178,295)	\$ 1,251,881	\$ 256,010	\$ 1,329,596
15	Debits	\$ -	\$ -	\$ -	\$ -
16	Credits	-	-	-	-
17	411.2	-	-	-	-
18	Def. Income Tax Expense Total	\$ -	\$ -	\$ -	\$ -
19	Total Change in Excess / (Deficient) DIT (Line 7 + Line 14 + Line 18)	\$ (111,372)	\$ 1,258,130	\$ 256,010	\$ 1,402,769

	(a) Year	(b) ¹ Amortization Rate	(c) Beginning year balance	(d) ^{2/4} = (b) x (System Level Balance) Current year Amortization 411.1	(e) ^{2/4} = (b) x (System Level Balance) Current year Amortization 410.1	(f) ³ DIT Reclass to Unprotected	(g) ⁵ = (c-d-e) Remaining Balance
20	2018	10.00%	\$ 1,329,596	\$ -	\$ -	N/A	\$ 1,329,596
21	2019	10.00%	1,329,596	-	-	N/A	1,329,596
22	2020	10.00%	1,329,596	88,477	-	N/A	1,241,119
23	2021	10.00%	1,241,119	132,715	-	N/A	1,108,404

Notes:

- (1) Unprotected Excess/(Deficient) State ADIT is amortized over ten years.
- (2) Excess / (Deficient) Deferred Income Tax for all years is amortized to accounts 410.1 or 411.1, as appropriate. The ADIT source account for amortization is determined based on the proportion of the ADIT balance that was transferred to Line 14, Excess / (Deficient) DIT Total. Current year amortization amounts may include true-up adjustments as necessary to reflect actual annual DIT amortization.
- (3) Excess / (Deficient) Deferred State Income Tax is applicable to unprotected assets only.
- (4) To Page 3, Line 25
- (5) To Page 2, Line 23

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2021

Rate Formula Template
Utilizing FERC Form 1 Data

DUKE ENERGY OHIO (DEO)

Line No.	(1)	(2)	(3)	(4)	(5)
					Allocated Amount
1	GROSS REVENUE REQUIREMENT	(page 3, line 31)			\$ 194,000,166
	REVENUE CREDITS (Note T)				
2	Account No. 454	(page 4, line 34)	Total	Allocator	\$ 299,324
3	Account No. 456.1	(page 4, line 35)	\$ 299,324	TP 1.00000	
4a	Revenues from Grandfathered Interzonal Transactions		1,762,464	TP 1.00000	1,762,464
4b	Revenues from service provided by ISO at a discount		-	TP 1.00000	0
5	Legacy MTEP Credit (Account 456.1)	(page 4, line 36)	1,180,461	1.00000	1,180,461
6	TOTAL REVENUE CREDITS (sum lines 2-5)				\$ 3,242,249
7	NET REVENUE REQUIREMENT	(line 1 minus line 6)			\$ 190,757,917

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2021

Rate Formula Template
Utilizing FERC Form 1 Data

DUKE ENERGY OHIO (DEO)

Line No.	(1) RATE BASE:	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col. 3 times Col. 4)
GROSS PLANT IN SERVICE					
1	Production	205.46.g	\$ -	NA	
2	Transmission	207.58.g	1,262,220,857	TP 1.00000	\$ 1,262,220,857
3	Distribution	207.75.g	3,235,300,497	NA	
4	General & Intangible	205.5.g & 207.99.g	529,248,452	WS 0.16560	87,643,544
5	Common	356	257,312,314	CE 0.10878	27,990,434
6	TOTAL GROSS PLANT (sum lines 1-5)		\$ 5,284,082,120	GP= 0.26076	\$ 1,377,854,835
ACCUMULATED DEPRECIATION AND AMORTIZATION					
7	Production	219.20.c-219.24.c	\$ (14,090)	NA	
8	Transmission	219.25.c	184,126,973	TP 1.00000	\$ 184,126,973
9	Distribution	219.26.c	722,869,819	NA	
10	General & Intangible	200.21.c & 219.28.c	199,617,025	WS 0.16560	33,056,579
11	Common	356	106,737,430	CE 0.10878	11,610,898
12	TOTAL ACCUM. DEPRECIATION AND AMORTIZATION (sum lines 7-11)		\$ 1,213,337,157		\$ 228,794,450
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	\$ 14,090		
14	Transmission	(line 2 - line 8)	1,078,093,884		\$ 1,078,093,884
15	Distribution	(line 3 - line 9)	2,512,430,678		
16	General & Intangible	(line 4 - line 10)	329,631,427		54,586,965
17	Common	(line 5 - line 11)	150,574,884		16,379,536
18	TOTAL NET PLANT (sum lines 13-17)		\$ 4,070,744,963	NP= 0.28227	\$ 1,149,060,385
ADJUSTMENTS TO RATE BASE (Note F)					
19	Account No. 281 (enter negative)	273.8.k	\$ -	NA zero	\$ -
20	Account No. 282 (enter negative)	275.2.k & 275.6.k	(582,832,783)	NP 0.28227	(164,516,210)
21	Account No. 283 (enter negative)	277.9.k & 277.18.k	(34,041,592)	NP 0.28227	(9,608,920)
22	Account No. 190	234.8.c & 234.17.c	25,010,666	NP 0.28227	7,059,761
23	Net (Excess) / Deficient Deferred Tax Adj. (Account No. 182.3 and 254)	DIT Worksheet, x.g	(241,983,656)	NP 0.28227	(68,304,727)
24	Account No. 255 (enter negative) (Note K)	267.8.h	0	NP 0.28227	0
25	TOTAL ADJUSTMENTS (sum lines 19 - 24)		\$ (833,847,365)		\$ (235,370,096)
26	LAND HELD FOR FUTURE USE (Note G)	214.x.d	\$ 22,132	TP 1.00000	\$ 22,132
WORKING CAPITAL (Note H)					
27	CWC	calculated	\$ 9,814,149		\$ 3,418,604
28	Materials & Supplies (Note G)	227.5.c & 227.8.c & 227.16.c	16,882,270	TE 0.91898	15,514,468
29	Prepayments (Account 165)	111.57.c	3,780	GP 0.26076	986
30	TOTAL WORKING CAPITAL (sum lines 27 - 29)		\$ 26,700,199		\$ 18,934,058
31	RATE BASE (sum lines 18, 25, 26, & 30)		\$ 3,263,619,929		\$ 932,646,479

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2021

DUKE ENERGY OHIO (DEO)

Line No.	(1)	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col. 3 times Col. 4)
O&M					
1	Transmission	321.112.b	\$ 48,095,524	TE 0.91898	\$ 44,198,825
1a	Less LSE Expenses included in Transmission O&M Accounts (Note V)	321.88.b & 321.92.b	26,151,066	1.00000	26,151,066
1b	Less Midcontinent ISO Exit Fees included in Transmission O&M	(Note X)	0	TE 0.91898	0
1c	Less EPRI Annual Membership Dues	(Note I)	88,543	TE 0.91898	81,369
2	Less Account 565	321.96.b	0	TE 0.91898	0
3	A&G	323.197.b	59,267,552	WS 0.16560	9,814,707
3a	PBOP Expense excluding Pension Expense included in line 3 for information only	(Note E)	1,160,616	WS	
3b	Less PJM Integration Costs included in A&G and Internal Integration Costs included in A&G	(Note Y)	0	WS 0.16560	0
4	Less FERC Annual Fees	350.x.b	0	WS 0.16560	0
5	Less EPRI & Reg. Comm. Exp. & Non-safety Advertising (Note I)		2,610,275	WS 0.16560	432,262
5a	Plus Transmission Related Reg. Comm. Exp. (Note I)		0	TE 0.91898	0
6	Common	356	0	CE 0.10878	0
7	Transmission Lease Payments		0	1.00000	0
8	TOTAL O&M (sum lines 1, 3, 5a, 6, 7 less lines 1a, 1b, 1c, 2, 3b, 4, 5)		\$ 78,513,192		\$ 27,348,835
DEPRECIATION AND AMORTIZATION EXPENSE					
9	Transmission	336.7.f	\$ 22,721,892	TP 1.00000	\$ 22,721,892
10	General & Intangible	336.1.f & 336.10.f	37,523,178	WS 0.16560	6,213,838
11	Common	336.11.f	10,300,163	CE 0.10878	1,120,452
12	TOTAL DEPRECIATION AND AMORTIZATION (sum lines 9 - 11)		\$ 70,545,233		\$ 30,056,182
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
13	Payroll	[263.i]*	\$ 3,549,520	WS 0.16560	\$ 587,801
14	Highway and vehicle	[263.i]*	0	WS 0.16560	0
PLANT RELATED					
16	Property	[263.i]*	197,785,413	GP 0.26076	51,574,524
17	Gross Receipts	[263.i]*	2,561,810	NA zero	0
18	Other	[263.i]*	0	GP 0.26076	0
19	Payments in lieu of taxes		0	GP 0.26076	0
20	TOTAL OTHER TAXES (sum lines 13 - 19)		\$ 203,896,743		\$ 52,162,325
INCOME TAXES (Note K)					
21	$T = 1 - \{[(1 - SIT) * (1 - FIT)] / (1 - SIT * FIT * p)\} =$		21.000000%		
22	$CIT = (T/1-T) * (1 - (WCLTD/R)) =$ where WCLTD=(page 4, line 27) and R=(page 4, line 30) and FIT, SIT & p are as given in footnote K. $1 / (1 - T) =$ (from line 21)		20.524300%		
23			1.26582278		
24	Amortized Investment Tax Credit	266.8.f (enter negative)	\$ (39,517)		
25	Amortization of Excess/Deficient Deferred Income Taxes (Note O)	DIT Worksheet, x.d and x.e	(16,748,380)		
25b	Tax Effect of Permanent Differences and AFUDC Equity	(Note Z)	472,243		
26	Income Tax Calculation (line 22 * line 30)		\$ 53,787,761	NA	\$ 15,370,958
27	ITC adjustment (line 23 * line 24)		(50,022)	NP 0.28227	(14,120)
28	Excess/Deficient DIT amortization (line 23 * line 25)		(21,200,481)	NP 0.28227	(5,984,260)
28b	Permanent Differences and AFUDC Equity Tax Adjustment (line 23 * line 25b)		597,776	NP 0.28227	168,734
29	Total Income Taxes (sum lines 26 - 28b)		\$ 33,135,034		\$ 9,541,312
30	RETURN [Rate Base (page 2, line 31) * Rate of Return (page 4, line 30)]		\$ 262,068,680	NA	\$ 74,891,512
31	REV. REQUIREMENT (sum lines 8, 12, 20, 29, 30)		\$ 648,158,882		\$ 194,000,166

* FF1 reference to 263.i changed to 263.l in new XBRL format

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2021

DUKE ENERGY OHIO (DEO)
SUPPORTING CALCULATIONS AND NOTES

Line
No.

TRANSMISSION PLANT INCLUDED IN ISO RATES

1	Total transmission plant (page 2, line 2, column 3)					\$ 1,262,220,857
2	Less transmission plant excluded from ISO rates (Note M)					0
3	Less transmission plant included in OATT Ancillary Services (Note N)					0
4	<u>Transmission plant included in ISO Rates (line 1 less lines 2 & 3)</u>					<u>\$ 1,262,220,857</u>
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)				TP=	1.00000

TRANSMISSION EXPENSES

6	Total transmission expenses (page 3, line 1, column 3)					\$ 48,095,524
7	Less transmission expenses included in OATT Ancillary Services (Note L)					<u>3,896,549</u>
8	<u>Included transmission expenses (line 6 less line 7)</u>					<u>\$ 44,198,975</u>
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.91898
10	Percentage of transmission plant included in ISO Rates (line 5)				TP	1.00000
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)				TE=	0.91898

WAGES & SALARY ALLOCATOR (WS)

	Form 1 Reference	\$	TP	Allocation		
12	Production	354.20.b	161,845	0.00		0
13	Transmission	354.21.b	6,012,840	1.00	6,012,840	
14	Distribution	354.23.b	20,016,905	0.00		0
15	Other	354.24,25,26.b	10,117,964	0.00		0
16	Total Electric (sum lines 12-15)		36,309,554		6,012,840	= 0.16560 = WS

COMMON PLANT ALLOCATOR (CE)

		\$	% Electric (line 17 / line 20)	WS Allocator (line 16)	CE
17	Electric	200.3.c	4,723,553,185		
18	Gas	201.3.d	2,467,046,760	0.65691 *	
19	Water	201.3.e	0		
20	Total (sum lines 17 - 19)		7,190,599,945		0.16560 = 0.10878

RETURN (R)

		\$			
21	Long Term Interest (117, sum of 62.c through 67.c)	100,434,784			
22	Preferred Dividends (118.29.c) (positive number)	0			
23	Development of Common Stock:				
24	Proprietary Capital (112.16.c)	3,728,320,648			
25	Less Preferred Stock (line 28)	0			
26	Less Account 216.1 (112.12.c) (enter negative)	(740,983,069)			
	Common Stock (sum lines 23-25)	2,987,337,579			
27	Long Term Debt (112, sum of 18.c through 21.c)	2,500,000,000	46%	0.0402	0.0183 =WCLTD
28	Preferred Stock (112.3.c)	0	0%	0.0000	0.0000
29	Common Stock (line 26)	2,987,337,579	54%	0.1138	0.0620
30	Total (sum lines 27-29)	5,487,337,579			0.0803 =R

REVENUE CREDITS

			Load
31	ACCOUNT 447 (SALES FOR RESALE) (Note Q)	(310-311)	
	a. Bundled Non-RQ Sales for Resale (311.x.h)		0
32	b. Bundled Sales for Resale included in Divisor on page 1		0
33	Total of (a)-(b)		0
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)		\$ 299,324
35	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U)	(330.x.n)	\$ 1,762,464
36	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note W)	(330.x.n)	\$ 1,180,461

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2021

Rate Formula Template
Utilizing FERC Form 1 Data

DUKE ENERGY OHIO (DEO)

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Notes

- A DEOK 1 CP is Duke Energy Ohio ("DEO") Monthly Firm Transmission System Peak Load as reported on page 400, column b of Form 1 at the time of DEO's annual peak.
- B DEOK 12 CP is Duke Energy Ohio ("DEO") Monthly Firm Transmission System Peak Load as reported on page 400, column b of Form 1 at the time of DEO's monthly peaks.
- C Reserved
- D Reserved
- E DEOK will provide, in connection with each Annual Update, a copy of the entire annual actuarial valuation report supporting the derivation of the annual Postretirement Benefits Other than Pensions ("PBOP") expense as charged to FERC account 926, and the amount of such expense included in Total Admin and General Expenses provided on Attachment H-22A, page 3 of 6, line 3 of the Formula Rate. DEOK will provide, in connection with each Annual Update, a worksheet that shows the actual PBOP expense components and calculation derivation (including, for each account to which PBOP expense is recorded, the account number, expense amount, description, calculation derivation and source).
- F The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to ASC 715 (f/k/a FASB 106) or ASC 740 (f/k/a FASB 109). Account 254/182.3 includes Other Regulated Liabilities/Assets related to Excess/Deficient Accumulated Deferred Income Taxes that have been allocated to electric operations. This line item is necessary to maintain rate base neutrality in the event of a change in the Federal or State income tax rates. Balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note K. Account 281 is not allocated.
- G Identified in Form 1 as being only transmission related. The transmission portion of page 227, line 5 is specified in a footnote to the Form 1.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 8, column 5.
- I Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111 line 57 in the Form 1.
- J Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- K Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- L The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/(1-T)) (page 3, line 27).

Inputs Required:

FIT =	21.00%	
SIT =	0.00%	(State Income Tax Rate or Composite SIT)
p =	0.00%	(percent of federal income tax deductible for state purposes)

- L Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1, 561.2 and 561.3.
- M Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).
- N Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- O Includes the amortization of any excess/deficient deferred income taxes resulting from changes to income tax laws, income tax rates (including changes in apportionment) and other actions taken by a taxing authority. Excess and deficient deferred income taxes will reduce or increase tax expense by the amount of the excess or deficiency multiplied by (1/(1-T)) (page 3, line 28).
- P Debt cost rate = long-term interest (line 21) / long term debt (line 27). Preferred cost rate = preferred dividends (line 22) / preferred outstanding (line 28). ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. Capitalization adjusted to exclude impacts of purchase accounting.
- Q Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1 and all other uses are to be included in the divisor.
- R Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- S Reserved
- T The revenues credited on page 1 lines 2-5 shall include only the amounts received directly (in the case of grandfathered agreements) from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template.

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2021

DUKE ENERGY OHIO (DEO)

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Notes

- U On Line 35, enter revenues from RTO settlements that are associated with NITS and firm Point-to-Point Service for which the load is not included in the divisor to derive Duke Energy Ohio's and Duke Energy Kentucky's zonal rates. Exclude NITS, non-firm Point-to-Point revenues, revenues related to MTEP and RTEP projects, revenues from grandfathered interzonal transactions and revenues from service provided by ISO at a discount.
- V Account Nos. 561.4 and 561.8 consist of RTO expenses billed to load-serving entities and are not included in Transmission Owner revenue requirements.
- W On Line 36, enter revenues from RTO settlements that are associated with MTEP projects. Exclude NITS, firm Point-to-Point, non-firm Point-to-Point revenues, revenues related to RTEP projects, revenues from grandfathered interzonal transactions and revenues from service provided by ISO at a discount.
- X Midcontinent ISO Exit Fees include (1) the charge that DEOK paid to the Midcontinent ISO pursuant to the Settlement Agreement filed on July 29, 2011 in Docket No. ER11-2059 and (2) the exit fees that DEOK paid to the Midcontinent ISO pursuant to the Exit Fee Agreement filed on October 5, 2011 in Docket No. ER12-33.
- Y PJM Integration Costs are the fees that PJM assessed DEOK for the costs that PJM incurred in connection with DEOK's move into PJM. Internal Integration Costs are the internal administrative costs incurred by Duke Energy Ohio and Duke Energy Kentucky to accomplish their move from the Midcontinent ISO into PJM.
- Z Includes the annual income tax cost or benefit due to permanent differences or differences between the amount of expenses or revenues recognized in one period for ratemaking purposes and the amounts recognized for income tax purposes which do not reverse in one or more other periods, including the cost of income taxes on the Allowance for Other Funds Used During Construction. T multiplied by the amount of permanent differences and depreciation expense associated with Allowance for Other Funds Used During Construction is included on page 3, line 25b and will increase or decrease tax expense by the expense or benefit included on line 25b multiplied by $(1/(1-T))$ (page 3, line 28b).

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY OHIO (DEO)
RTEP - Transmission Enhancement Charges

To be completed in conjunction with Attachment H-22A.

Line No.	(1)	(2)	(3)	(4)
		Attachment H-22A Page, Line, Col.	Transmission	Allocator
	TRANSMISSION PLANT			
1	Gross Transmission Plant - Total	Att. H-22A, p 2, line 2, col 5 (Note A)	1,262,220,857	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	1,078,093,884	
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	27,348,835	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	2.17%	2.17%
	GENERAL AND COMMON (G&C) DEPRECIATION AND AMORTIZATION EXPENSE			
5	Total G&C Depreciation and Amortization Expense	Att. H-22A, p 3, lines 10 & 11, col 5 (Note H)	7,334,290	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.58%	0.58%
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	52,162,325	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	4.13%	4.13%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		6.88%
	INCOME TAXES			
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	9,541,312	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	0.89%	0.89%
	RETURN			
12	Return on Rate Base	Att. H-22A, p 3, line 30, col 5	74,891,512	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.95%	6.95%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.84%

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY OHIO (DEO)
RTEP - Transmission Enhancement Charges

Network Upgrade Charge Calculation By Project

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge
			(Note C)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D)	(Page 1, line 14)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a	Tanner Creek - Miami Fort 345kV line	b2831.2	\$ 21,145,094	6.88%	\$ 1,454,782	\$ 20,999,679	7.84%	\$ 1,646,375	\$ 201,284	\$ 3,302,441	\$ -	\$ 3,302,441
1b			\$ -	6.88%	\$ -	\$ -	7.84%	\$ -	\$ -	\$ -	\$ -	\$ -
1c			\$ -	6.88%	\$ -	\$ -	7.84%	\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$3,302,441	\$0	\$3,302,441
3	RTEP Transmission Enhancement Charges for Attachment H-22A											\$3,302,441

Note Letter

- A Gross Transmission Plant is that identified on page 2, line 2 of Attachment H-22A.
- B Net Transmission Plant is that identified on page 2, line 14 of Attachment H-22A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-22A page 3 line 12.
- F True-Up Adjustment is included pursuant to a FERC approved methodology if applicable.
- G The Network Upgrade Charge is the value to be used in Schedule 12.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY OHIO (DEO)
MTEP - Transmission Enhancement Charges

To be completed in conjunction with Attachment H-22A

Line No.	(1)	(2)	(3)	(4)
		Attachment H-22A Page, Line, Col.	Transmission	Allocator
TRANSMISSION PLANT				
1	Gross Transmission Plant - Total	Att. H-22A, p 2, line 2, col 5 (Note A)	1,262,220,857	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	1,078,093,884	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	27,348,835	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	2.17%	2.17%
GENERAL AND COMMON (G&C) DEPRECIATION AND AMORTIZATION EXPENSE				
5	Total G&C Depreciation and Amortization Expense	Att. H-22A, p 3, lines 10 & 11, col 5 (Note H)	7,334,290	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.58%	0.58%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	52,162,325	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	4.13%	4.13%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		6.88%
INCOME TAXES				
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	9,541,312	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	0.89%	0.89%
RETURN				
12	Return on Rate Base	Att. H-22A, p 3, line 30, col 5	74,891,512	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.95%	6.95%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.84%

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY OHIO (DEO)
MTEP - Transmission Enhancement Charges

Network Upgrade Charge Calculation By Project

Line No.	Project Name	MTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge	
			(Note C)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D)	(Page 1, line 14)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)	
1a	Hillcrest 345 kV	91	\$ 17,171,005	6.88%	\$ 1,181,365	\$ 15,773,028	7.84%	\$ 1,236,605	\$ 308,282	\$ 2,726,252	\$ -	\$ 2,726,252	
1b	Project 2	P2	\$ -	6.88%	\$ -	\$ -	7.84%	\$ -	\$ -	\$ -	\$ -	\$ -	
1c	Project 3	P3	\$ -	6.88%	\$ -	\$ -	7.84%	\$ -	\$ -	\$ -	\$ -	\$ -	
2	Annual Totals										\$2,726,252	\$0	\$2,726,252
3	MTEP Transmission Enhancement Charges												\$2,726,252

Note Letter

- A Gross Transmission Plant is that identified on page 2, line 2 of Attachment H-22A.
- B Net Transmission Plant is that identified on page 2, line 14 of Attachment H-22A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-22A page 3 line 12.
- F True-Up Adjustment is included pursuant to a FERC approved methodology if applicable.
- G The Network Upgrade Charge is the value to be used in Schedule 26.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2021

Rate Formula Template
Utilizing FERC Form 1 Data

DUKE ENERGY KENTUCKY (DEK)

Line No.	(1)	(2)	(3)	(4)	(5) Allocated Amount
1	GROSS REVENUE REQUIREMENT	(page 3, line 31)			\$ 9,480,966
	REVENUE CREDITS (Note T)				
2	Account No. 454	(page 4, line 34)	Total	TP	\$ 109,456
3	Account No. 456.1	(page 4, line 35)	\$ 133,097	TP	67,944
4a	Revenues from Grandfathered Interzonal Transactions		82,619	TP	0
4b	Revenues from service provided by ISO at a discount		0	TP	0
5	Legacy MTEP Credit (Account 456.1)	(page 4, line 36)	0	TP	0
				1.00000	
6	TOTAL REVENUE CREDITS (sum lines 2-5)				\$ 177,400
7	NET REVENUE REQUIREMENT	(line 1 minus line 6)			\$ 9,303,566

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2021

DUKE ENERGY KENTUCKY (DEK)

Line No.	(1) RATE BASE	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col. 3 times Col. 4)
GROSS PLANT IN SERVICE					
1	Production	205.46.g	\$ 1,385,031,257	NA	
2	Transmission	207.58.g	95,965,669	TP 0.82238	\$ 78,920,247
3	Distribution	207.75.g	622,687,366	NA	
4	General & Intangible	205.5.g & 207.99.g	37,577,003	WS 0.03371	1,266,721
5	Common	356	33,493,365	CE 0.02490	833,985
6	TOTAL GROSS PLANT (sum lines 1-5)		\$ 2,174,754,660	GP= 0.03726	\$ 81,020,953
ACCUMULATED DEPRECIATION AND AMORTIZATION					
7	Production	219.20.c-219.24.c	\$ 661,591,361	NA	
8	Transmission	219.25.c	10,382,698	TP 0.82238	\$ 8,538,523
9	Distribution	219.26.c	150,530,889	NA	
10	General & Intangible	200.21.c & 219.28.c	17,762,510	WS 0.03371	598,774
11	Common	356	21,155,645	CE 0.02490	526,776
12	TOTAL ACCUM. DEPRECIATION AND AMORTIZATION (sum lines 7-11)		\$ 861,423,103		\$ 9,664,073
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	\$ 723,439,896		
14	Transmission	(line 2 - line 8)	85,582,971		\$ 70,381,724
15	Distribution	(line 3 - line 9)	472,156,477		
16	General & Intangible	(line 4 - line 10)	19,814,493		667,947
17	Common	(line 5 - line 11)	12,337,720		307,209
18	TOTAL NET PLANT (sum lines 13-17)		\$ 1,313,331,557	NP= 0.05433	\$ 71,356,880
ADJUSTMENTS TO RATE BASE (Note F)					
19	Account No. 281 (enter negative)	273.8.k	\$ -	NA zero	\$ -
20	Account No. 282 (enter negative)	275.2.k & 275.6.k	(200,892,969)	NP 0.05433	(10,914,515)
21	Account No. 283 (enter negative)	277.9.k & 277.18.k	(31,068,273)	NP 0.05433	(1,687,939)
22	Account No. 190	234.8.c & 234.17.c	28,657,310	NP 0.05433	1,556,952
23	Net (Excess) / Deficient Deferred Tax Adj. (Account No. 182.3 and 254)	DIT Worksheet, x.g	(60,334,056)	NP 0.05433	(3,277,949)
24	Account No. 255 (enter negative) (Note K)	267.8.h	0	NP 0.05433	0
25	TOTAL ADJUSTMENTS (sum lines 19 - 24)		\$ (263,637,989)		\$ (14,323,451)
26	LAND HELD FOR FUTURE USE (Note G)	214.x.d	\$ -	TP 1.00000	\$ -
WORKING CAPITAL (Note H)					
27	CWC	calculated	\$ 3,044,175		\$ 231,166
28	Materials & Supplies (Note G)	227.5.c & 227.8.c & 227.16.c	402	TE 0.80695	324
29	Prepayments (Account 165)	111.57.c	1,202,355	GP 0.03726	44,800
30	TOTAL WORKING CAPITAL (sum lines 27 - 29)		\$ 4,246,932		\$ 276,290
31	RATE BASE (sum lines 18, 25, 26, & 30)		\$ 1,053,940,500		\$ 57,309,719

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2021

DUKE ENERGY KENTUCKY (DEK)

Line No.	(1)	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col. 3 times Col. 4)
O&M					
1	Transmission	321.112.b	\$ 25,679,253	TE 0.80695	\$ 20,721,873
1a	Less LSE Expenses included in Transmission O&M Accounts (Note V)	321.88.b & 321.92.b	3,907,217	1.00000	3,907,217
1b	Less Midcontinent ISO Exit Fees included in Transmission O&M	(Note X)	0	TE 0.80695	0
1c	Less EPRI Annual Membership Dues	(Note I)	11,225	TE 0.80695	9,058
2	Less Account 565	321.96.b	19,455,367	TE 0.80695	15,699,508
3	A&G	323.197.b	23,024,646	WS 0.03371	776,161
3a	PBOP Expense excluding Pension Expense included in line 3 for information only	(Note E)	80,042	WS	
3b	Less PJM Integration Costs included in A&G and Internal Integration Costs included in A&G	(Note Y)	0	WS 0.03371	0
4	Less FERC Annual Fees	350.x.b	0	WS 0.03371	0
5	Less EPRI & Reg. Comm. Exp. & Non-safety Advertising (Note I)		976,690	WS 0.03371	32,924
5a	Plus Transmission Related Reg. Comm. Exp. (Note I)		0	TE 0.80695	0
6	Common	356	0	CE 0.02490	0
7	Transmission Lease Payments		0	1.00000	0
8	TOTAL O&M (sum lines 1, 3, 5a, 6, 7 less lines 1a, 1b, 1c, 2, 3b, 4, 5)		\$ 24,353,400		\$ 1,849,327
DEPRECIATION AND AMORTIZATION EXPENSE					
9	Transmission	336.7.f	\$ 1,960,755	TP 0.82238	\$ 1,612,486
10	General & Intangible	336.1.f & 336.10.f	3,998,612	WS 0.03371	134,793
11	Common	336.11.f	67,403	CE 0.02490	1,678
12	TOTAL DEPRECIATION AND AMORTIZATION (sum lines 9 - 11)		\$ 6,026,770		\$ 1,748,957
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
13	Payroll	[263.i]*	\$ 1,798,074	WS 0.03371	\$ 60,613
14	Highway and vehicle	[263.i]*	0	WS 0.03371	0
PLANT RELATED					
16	Property	[263.i]*	14,497,979	GP 0.03726	540,195
17	Gross Receipts	[263.i]*	0	NA zero	0
18	Other	[263.i]*	0	GP 0.03726	0
19	Payments in lieu of taxes		0	GP 0.03726	0
20	TOTAL OTHER TAXES (sum lines 13 - 19)		\$ 16,296,053		\$ 600,808
INCOME TAXES (Note K)					
21	T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =		24.950000%		
22	CIT=(T/1-T) * (1-(WCLTD/R)) = where WCLTD=(page 4, line 27) and R=(page 4, line 30) and FIT, SIT & p are as given in footnote K.		25.856836%		
23	1 / (1 - T) = (from line 21)		1.33244504		
24	Amortized Investment Tax Credit	266.8.f (enter negative)	\$ (428)		
25	Amortization of Excess/Deficient Deferred Income Taxes (Note O)	DIT Worksheet, x.d and x.e	(4,322,475)		
25b	Tax Effect of Permanent Differences and AFUDC Equity	(Note Z)	167,061		
26	Income Tax Calculation (line 22 * line 30)		\$ 21,092,713	NA	\$ 1,146,950
27	ITC adjustment (line 23 * line 24)		(570)	NP 0.05433	(31)
28	Excess/Deficient DIT amortization (line 23 * line 25)		(5,759,460)	NP 0.05433	(312,911)
28b	Permanent Differences and AFUDC Equity Tax Adjustment (line 23 * line 25b)		222,599	NP 0.05433	12,094
29	Total Income Taxes (sum lines 26 - 28b)		\$ 15,555,282		\$ 846,102
30	RETURN [Rate Base (page 2, line 31) * Rate of Return (page 4, line 30)]		\$ 81,574,995	NA	\$ 4,435,772
31	REV. REQUIREMENT (sum lines 8, 12, 20, 29, 30)		\$ 143,806,500		\$ 9,480,966

* FF1 reference to 263.i changed to 263.l in new XBRL format

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2021

**DUKE ENERGY KENTUCKY (DEK)
SUPPORTING CALCULATIONS AND NOTES**

Line
No.

TRANSMISSION PLANT INCLUDED IN ISO RATES		
1	Total transmission plant (page 2, line 2, column 3)	\$ 95,965,669
2	Less transmission plant excluded from ISO rates (Note M)	0
3	Less transmission plant included in OATT Ancillary Services (Note N)	17,045,647
4	Transmission plant included in ISO Rates (line 1 less lines 2 & 3)	\$ 78,920,022

5 Percentage of transmission plant included in ISO Rates (line 4 divided by line 1) TP= 0.82238

TRANSMISSION EXPENSES

6	Total transmission expenses (page 3, line 1, column 3)	\$ 25,679,253
7	Less transmission expenses included in OATT Ancillary Services (Note L)	481,695
8	Included transmission expenses (line 6 less line 7)	\$ 25,197,558

9 Percentage of transmission expenses after adjustment (line 8 divided by line 6) 0.98124

10 Percentage of transmission plant included in ISO Rates (line 5) TP 0.82238

11 Percentage of transmission expenses included in ISO Rates (line 9 times line 10) TE= 0.80695

WAGES & SALARY ALLOCATOR (WS)

	Form 1 Reference	\$	TP	Allocation	
12	Production	354.20.b	12,898,341	0.00	0
13	Transmission	354.21.b	765,355	0.82238	629,413
14	Distribution	354.23.b	2,991,586	0.00	0
15	Other	354.24,25,26.b	2,013,609	0.00	0
16	Total Electric (sum lines 12-15)		18,668,891		629,413 = WS Allocator (\$ / Allocation) = 0.03371 = WS

COMMON PLANT ALLOCATOR (CE)

		\$	% Electric (line 17 / line 20)	WS Allocator (line 16)	CE
17	Electric	200.3.c	1,979,969,127		
18	Gas	201.3.d	701,052,507	0.73851 *	
19	Water	201.3.e	0		
20	Total (sum lines 17 - 19)		2,681,021,634		0.03371 = 0.02490

RETURN (R)

		\$	Weighted
21	Long Term Interest (117, sum of 62.c through 67.c)	26,679,917	
22	Preferred Dividends (118.29.c) (positive number)	0	
Development of Common Stock:			
23	Proprietary Capital (112.16.c)	821,642,468	
24	Less Preferred Stock (line 28)	0	
25	Less Account 216.1 (112.12.c) (enter negative)	0	
26	Common Stock (sum lines 23-25)	821,642,468	

	(Note P)	\$	%	Cost	Weighted	
27	Long Term Debt (112, sum of 18.c through 21.c)	731,720,000	47%	0.0365	0.0172	=WCLTD
28	Preferred Stock (112.3.c)	0	0%	0.0000	0.0000	
29	Common Stock (line 26)	821,642,468	53%	0.1138	0.0602	
30	Total (sum lines 27-29)	1,553,362,468			0.0774	=R

REVENUE CREDITS

			Load
31	ACCOUNT 447 (SALES FOR RESALE) (Note Q)	(310-311)	
	a. Bundled Non-RQ Sales for Resale (311.x.h)		0
32	b. Bundled Sales for Resale included in Divisor on page 1		0
33	Total of (a)-(b)		0
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)		\$ 133,097
35	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U)	(330.x.n)	\$ 82,619
36	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note W)	(330.x.n)	\$ -

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2021

Rate Formula Template
Utilizing FERC Form 1 Data

DUKE ENERGY KENTUCKY (DEK)

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Notes

- A DEOK 1 CP is Duke Energy Ohio ("DEO") Monthly Firm Transmission System Peak Load as reported on page 400, column b of Form 1 at the time of DEO's annual peak.
- B DEOK 12 CP is Duke Energy Ohio ("DEO") Monthly Firm Transmission System Peak Load as reported on page 400, column b of Form 1 at the time of DEO's monthly peaks.
- C Reserved
- D Reserved
- E DEOK will provide, in connection with each Annual Update, a copy of the entire annual actuarial valuation report supporting the derivation of the annual Postretirement Benefits Other than Pensions ("PBOP") expense as charged to FERC account 926, and the amount of such expense included in Total Admin and General Expenses provided on Attachment H-22A, page 3 of 6, line 3 of the Formula Rate. DEOK will provide, in connection with each Annual Update, a worksheet that shows the actual PBOP expense components and calculation derivation (including, for each account to which PBOP expense is recorded, the account number, expense amount, description, calculation derivation and source).
- F The balances in Accounts 190, 281, 282 and 283, as adjusted by any amounts in contra accounts identified as regulatory assets or liabilities related to ASC 715 (f/k/a FASB 106) or ASC 740 (f/k/a FASB 109). Account 254/182.3 includes Other Regulated Liabilities/Assets related to Excess/Deficient Accumulated Deferred Income Taxes that have been allocated to electric operations. This line item is necessary to maintain rate base neutrality in the event of a change in the Federal or State income tax rates. Balance of Account 255 is reduced by prior flow throughs and excluded if the utility chose to utilize amortization of tax credits against taxable income as discussed in Note K. Account 281 is not allocated.
- G Identified in Form 1 as being only transmission related. The transmission portion of page 227, line 5 is specified in a footnote to the Form 1.
- H Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3, line 8, column 5. Prepayments are the electric related prepayments booked to Account No. 165 and reported on Page 111 line 57 in the Form 1.
- I Line 5 - EPRI Annual Membership Dues listed in Form 1 at 353.f, all Regulatory Commission Expenses itemized at 351.h, and non-safety related advertising included in Account 930.1. Line 5a - Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting itemized at 351.h.
- J Includes only FICA, unemployment, highway, property, gross receipts, and other assessments charged in the current year. Taxes related to income are excluded. Gross receipts taxes are not included in transmission revenue requirement in the Rate Formula Template, since they are recovered elsewhere.
- K The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = "the percentage of federal income tax deductible for state income taxes". If the utility is taxed in more than one state it must attach a work paper showing the name of each state and how the blended or composite SIT was developed. Furthermore, a utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) multiplied by (1/(1-T)) (page 3, line 27).

Inputs Required:	FIT =	21.00%
	SIT =	5.00% (State Income Tax Rate or Composite SIT)
	p =	0.00% (percent of federal income tax deductible for state purposes)

- L Removes dollar amount of transmission expenses included in the OATT ancillary services rates, including Account Nos. 561.1, 561.2 and 561.3.
- M Removes transmission plant determined by Commission order to be state-jurisdictional according to the seven-factor test (until Form 1 balances are adjusted to reflect application of seven-factor test).
- N Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- O Includes the amortization of any excess/deficient deferred income taxes resulting from changes to income tax laws, income tax rates (including changes in apportionment) and other actions taken by a taxing authority. Excess and deficient deferred income taxes will reduce or increase tax expense by the amount of the excess or deficiency multiplied by (1/(1-T)) (page 3, line 28).
- P Debt cost rate = long-term interest (line 21) / long term debt (line 27). Preferred cost rate = preferred dividends (line 22) / preferred outstanding (line 28). ROE will be supported in the original filing and no change in ROE may be made absent a filing with FERC. Capitalization adjusted to exclude impacts of purchase accounting.
- Q Line 33 must equal zero since all short-term power sales must be unbundled and the transmission component reflected in Account No. 456.1 and all other uses are to be included in the divisor.
- R Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- S Reserved
- T The revenues credited on page 1 lines 2-5 shall include only the amounts received directly (in the case of grandfathered agreements) from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Rate Formula Template.

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2021

Rate Formula Template
Utilizing FERC Form 1 Data

DUKE ENERGY KENTUCKY (DEK)

General Note: References to pages in this formulary rate are indicated as: (page#, line#, col.#)

References to data from FERC Form 1 are indicated as: #.y.x (page, line, column)

Notes

- U On Line 35, enter revenues from RTO settlements that are associated with NITS and firm Point-to-Point Service for which the load is not included in the divisor to derive Duke Energy Ohio's and Duke Energy Kentucky's zonal rates. Exclude NITS, non-firm Point-to-Point revenues, revenues related to MTEP and RTEP projects, revenues from grandfathered interzonal transactions and revenues from service provided by ISO at a discount.
- V Account Nos. 561.4 and 561.8 consist of RTO expenses billed to load-serving entities and are not included in Transmission Owner revenue requirements.
- W On Line 36, enter revenues from RTO settlements that are associated with MTEP projects. Exclude NITS, firm Point-to-Point, non-firm Point-to-Point revenues, revenues related to RTEP projects, revenues from grandfathered interzonal transactions and revenues from service provided by ISO at a discount.
- X Midcontinent ISO Exit Fees include (1) the charge that DEOK paid to the Midcontinent ISO pursuant to the Settlement Agreement filed on July 29, 2011 in Docket No. ER11-2059 and (2) the exit fees that DEOK paid to the Midcontinent ISO pursuant to the Exit Fee Agreement filed on October 5, 2011 in Docket No. ER12-33.
- Y PJM Integration Costs are the fees that PJM assessed DEOK for the costs that PJM incurred in connection with DEOK's move into PJM. Internal Integration Costs are the internal administrative costs incurred by Duke Energy Ohio and Duke Energy Kentucky to accomplish their move from the Midcontinent ISO into PJM.
- Z Includes the annual income tax cost or benefit due to permanent differences or differences between the amount of expenses or revenues recognized in one period for ratemaking purposes and the amounts recognized for income tax purposes which do not reverse in one or more other periods, including the cost of income taxes on the Allowance for Other Funds Used During Construction. T multiplied by the amount of permanent differences and depreciation expense associated with Allowance for Other Funds Used During Construction is included on page 3, line 25b and will increase or decrease tax expense by the expense or benefit included on line 25b multiplied by $(1/(1-T))$ (page 3, line 28b).

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY KENTUCKY (DEK)
RTEP - Transmission Enhancement Charges

To be completed in conjunction with Attachment H-22A.

Line No.	(1)	(2)	(3)	(4)
		Attachment H-22A Page, Line, Col.	Transmission	Allocator
	TRANSMISSION PLANT			
1	Gross Transmission Plant - Total	Att. H-22A, p 2, line 2, col 5 (Note A)	78,920,247	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	70,381,724	
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	1,849,327	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	2.34%	2.34%
	GENERAL AND COMMON (G&C) DEPRECIATION AND AMORTIZATION EXPENSE			
5	Total G&C Depreciation and Amortization Expense	Att. H-22A, p 3, lines 10 & 11, col 5 (Note H)	136,471	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.17%	0.17%
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	600,808	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	0.76%	0.76%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		3.28%
	INCOME TAXES			
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	846,102	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	1.20%	1.20%
	RETURN			
12	Return on Rate Base	Att. H-22A, p 3, line 30, col 5	4,435,772	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.30%	6.30%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.50%

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY KENTUCKY (DEK)
RTEP - Transmission Enhancement Charges

Network Upgrade Charge Calculation By Project

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line No.	Project Name	RTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge
			(Note C)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D)	(Page 1, line 14)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a		\$ -	-	3.28%	\$ -	\$ -	7.50%	\$ -	\$ -	\$ -	\$ -	\$ -
1b		\$ -	-	3.28%	\$ -	\$ -	7.50%	\$ -	\$ -	\$ -	\$ -	\$ -
1c		\$ -	-	3.28%	\$ -	\$ -	7.50%	\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$0.00	\$0.00	\$0.00
3	RTEP Transmission Enhancement Charges for Attachment H-22A											\$0.00

Note Letter

- A Gross Transmission Plant is that identified on page 2, line 2 of Attachment H-22A.
- B Net Transmission Plant is that identified on page 2, line 14 of Attachment H-22A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-22A page 3 line 12.
- F True-Up Adjustment is included pursuant to a FERC approved methodology if applicable.
- G The Network Upgrade Charge is the value to be used in Schedule 12.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY KENTUCKY (DEK)
MTEP - Transmission Enhancement Charges

To be completed in conjunction with Attachment H-22A

	(1)	(2)	(3)	(4)
Line No.		Attachment H-22A Page, Line, Col.	Transmission	Allocator
	TRANSMISSION PLANT			
1	Gross Transmission Plant - Total	Att. H-22A, p 2, line 2, col 5 (Note A)	78,920,247	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	70,381,724	
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	1,849,327	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	2.34%	2.34%
	GENERAL AND COMMON (G&C) DEPRECIATION AND AMORTIZATION EXPENSE			
5	Total G&C Depreciation and Amortization Expense	Att. H-22A, p 3, lines 10 & 11, col 5 (Note H)	136,471	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.17%	0.17%
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	600,808	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	0.76%	0.76%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		3.27%
	INCOME TAXES			
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	846,102	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	1.20%	1.20%
	RETURN			
12	Return on Rate Base	Att. H-22A, p 3, line 30, col 5	4,435,772	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.30%	6.30%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.50%

Rate Formula Template
Utilizing Attachment H-22A Data
DUKE ENERGY KENTUCKY (DEK)
MTEP - Transmission Enhancement Charges

Network Upgrade Charge Calculation By Project

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Line No.	Project Name	MTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge
			(Note C)	(Page 1, line 9)	(Col. 3 * Col. 4)	(Note D)	(Page 1, line 14)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a	Project 1	P1	\$ -	3.27%	\$ -	\$ -	7.50%	\$ -	\$ -	\$ -	\$ -	\$ -
1b	Project 2	P2	\$ -	3.27%	\$ -	\$ -	7.50%	\$ -	\$ -	\$ -	\$ -	\$ -
1c	Project 3	P3	\$ -	3.27%	\$ -	\$ -	7.50%	\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$0	\$0	\$0
3	MTEP Transmission Enhancement Charges											\$0

Note Letter

- A Gross Transmission Plant is that identified on page 2, line 2 of Attachment H-22A.
- B Net Transmission Plant is that identified on page 2, line 14 of Attachment H-22A.
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment H-22A page 3 line 12.
- F True-Up Adjustment is included pursuant to a FERC approved methodology if applicable.
- G The Network Upgrade Charge is the value to be used in Schedule 26.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

Page 1 of 19

For the 12 months ended: 12/31/2021

**Accumulated Deferred Income Taxes
Account 190, Account 282, and Account 283**

Line No.	Account 190	DEO	DEK
1	Per Books Total, Page 234, lines 8 & 17, column c	\$ 93,793,906	\$ 53,751,239
2			
3	Less:		
4	FAS106 / ASC715	2,263,254	467,764
5	FAS109 / ASC740 - Gross-up on ITC	32,795	1,074,197
6	Solar ITC	-	3,235,578
7	Gross-up on Tax Reform EDIT & Amortization	65,848,361	20,197,551
8	Gross-up on State Tax Reform EDIT & Amortization	-	367,994
9	Electric Non-Utility & Non-Regulated	638,830	(249,155)
10	Total Subtracted from Account 190 Balance	\$ 68,783,240	\$ 25,093,929
11			
12	Adjusted Balances - To Page 2, Line 22	\$ 25,010,666	\$ 28,657,310
13			
14			
15	Account 282	DEO	DEK
16			
17	Per Books Total, Page 275, lines 2, 4 & 6, column k	\$ 609,859,949	\$ 227,752,649
18			
19	Less:		
20	Historical EDIT FAS109/ASC740 - Gross-ups Only	\$ 27,187,734	\$ 3,488,064
21	Historical EDIT FAS109/ASC740 - Excludes Gross-ups	(3,840,317)	(458,021)
22	Electric Non-Utility & Non-Regulated	3,679,749	23,829,637
23	Total Subtracted from Account 282 Balance	\$ 27,027,166	\$ 26,859,680
24			
25	Adjusted Balances - To Page 2, Line 20	\$ 582,832,783	\$ 200,892,969
26			
27			
28	Account 283	DEO	DEK
29			
30	Per Books Total, Page 277, lines 9 & 18, column k	\$ 40,282,474	\$ 31,279,405
31			
32	Less:		
33	FAS106 / ASC715	(48,666)	(929,353)
34	FAS109 / ASC740 - Gross-up	6,352,934	1,140,485
35	Electric Non-Utility & Non-Regulated	(63,386)	-
36	Total Subtracted from Account 283 Balance	\$ 6,240,882	\$ 211,132
37			
38	Adjusted Balances - To Page 2, Line 21	\$ 34,041,592	\$ 31,068,273

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102
Page 2 of 19
For the 12 months ended: 12/31/2021

**Materials and Supplies
Allocation of Account 163**

Line No.	Description	M&S Assigned to		Total M&S	Percentage	Account 163 ⁽⁴⁾	Total M&S ⁽¹⁾
		M&S ⁽²⁾	Construction ⁽³⁾				
1	Duke Energy Ohio						
2							
3	Production	\$ -	\$ -	\$ -	0.00%	\$ -	
4	Transmission	1,142,296	14,682,788	15,825,084	26.89%	1,057,186	\$ 16,882,270
5	Distribution	3,904,895	33,194,466	37,099,361	63.03%	2,478,403	
6	Gas	-	5,933,281	5,933,281	10.08%	396,370	
7	Total M&S	<u>\$ 5,047,191</u>	<u>\$ 53,810,535</u>	<u>\$ 58,857,726</u>	<u>100.00%</u>	<u>\$ 3,931,959</u>	
8							
9							
10	Duke Energy Kentucky						
11							
12	Production	\$ 10,094,202	\$ 5,817,184	\$ 15,911,386	95.24%	\$ (21,449)	
13	Transmission	101	302	403	0.0024%	(1)	\$ 402
14	Distribution	213,994	581,534	795,528	4.76%	(1,072)	
15	Total M&S	<u>\$ 10,308,297</u>	<u>\$ 6,399,020</u>	<u>\$ 16,707,317</u>	<u>100.00%</u>	<u>\$ (22,522)</u>	

⁽¹⁾ To Page 2, Line 28

⁽²⁾ Source FERC Form 1, page 227, lines 7-9, column (c)

⁽³⁾ Source FERC Form 1, page 227, line 5, column (c)

⁽⁴⁾ Source FERC Form 1, page 227, line 16, column (c)

Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2021

Detail of Land Held for Future Use

Line No.	Description	Transmission Related ⁽²⁾	Non-Transmission Related	Reported on FERC Form 1
1	Duke Energy Ohio ⁽¹⁾			
2	Other Projects	<u>\$ 22,132</u>	<u>\$ 3,114,407</u>	<u>\$ 3,136,539</u>
3	Duke Energy Kentucky ⁽¹⁾			
4	Other Projects	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>

⁽¹⁾ Source: FERC Form 1, Page 214

⁽²⁾ Balances to Page 2, Line 26

Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2021

Non-Safety Adv., Reg. Comm. Exp. & EPRI

Line No.	Description	Source	DEO	DEK
1	General Advertising - 930.1	Form 1, P.323.191, col. b	\$ 409,675	\$ 59,365
2	Regulatory Commission Expense	Form 1, P.351, col. h	1,758,116	686,710
3	Ohio Consumers' Counsel	Form 1, P.351, col. h	232,323	-
4	PUCO - Division of Forecasting	Form 1, P.351, col. h	111,645	-
5	Request for Rate Increase & Other Misc Exp	Form 1, P.351, col. h	59,840	153,156
6				
7	Electric Power Research Institute	Form 1, P.353, col. f	\$ 127,219	\$ 109,955
8	Less amounts recorded in a transmission account	FERC Account 566	88,543	11,225 (1)
9	Less amounts recorded in a non-formula related account	FERC Account 506	-	20,971
10	Less amounts recorded in a non-formula related account	FERC Account 910	-	300
11	Total Electric Power Research Institute		<u>\$ 38,676</u>	<u>\$ 77,459</u>
12				
13	Subtotal		\$ 2,610,275	\$ 976,690
14				
15	Amount of Safety Related Advertising in Account 930.1		-	-
16				
17	Non-Safety Adv., Reg. Comm. Exp. & EPRI - To Page 3, Line 5		<u>\$ 2,610,275</u>	<u>\$ 976,690</u>

(1) To Page 3, line 1c

Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2021

A&G Expense

Line No.	Description	DEO	DEK
1	A&G Expense, Page 323, line 197, column b	\$ 58,901,555	\$ 22,907,236
2	Less: Non-operational transaction costs	(369,465)	(118,352)
3	Less: Gas BU Charges in Account 923	2,747	-
4	Less: Donations in Account 921	<u>721</u>	<u>942</u>
5	Subtotal	\$ <u>(365,997)</u>	\$ <u>(117,410)</u>
6	Adjusted A&G Expense - To Page 3, Line 3	\$ <u>59,267,552</u>	\$ <u>23,024,646</u>

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

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For the 12 months ended: 12/31/2021

State Tax Composite Rate

Line No.	Description	DEO	DEK
1	Revenue Requirement	\$ 194,000,166	\$ 9,480,966
2	Tax Rate	0.00%	5.00%
3	State Taxes	\$ -	\$ 474,048
4	Composite Tax Rate	0.00%	5.00%

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

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For the 12 months ended: 12/31/2021

Determination of Transmission Plant Included in OATT Ancillary Services

Line No.	Description	DEO	DEK
1	Total Generation Step-up Transformers	\$ -	\$ 17,045,647
2	Distribution Use	-	-
3	Transmission Plant Included in OATT Ancillary Services - To Page 4, Line 3	<u>\$ -</u>	<u>\$ 17,045,647</u>

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102
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For the 12 months ended: 12/31/2021

Revenue Credits, Accounts 454 and 456.1

Line No.	Description	Account 454	
		DEO	DEK
1	Total Account 454 per Books Total, Page 300, line 19, column b	\$ 12,916,002	\$ 1,521,736
2			
3	Less: Other Electric Revenue in Line 1 Total above	9,687,012	957,367
4			
5	Total Revenue Available for Credit Calculation	\$ 3,228,990	\$ 564,369
6			
7	Tower Lease Revenues in Line 1 Total above	\$ 95,295	\$ 13,251
8			
9	Backup Delivery Service - Transmission	\$ 20,672	\$ 88,529
10			
11	Rent from Electric Property in Line 1 Total above	\$ 3,113,023	\$ 462,589
12	Portion Attributable to Transmission (Exhibit No. DUK-102, Page 15)	5.89%	6.77%
13	Rent from Electric Property Attributable to Transmission	\$ 183,357	\$ 31,317
14			
15	Total Account 454 - To Page 4, Line 34	\$ 299,324	\$ 133,097
16			
17			
18			
19			
		Account 456.1	
		DEO	DEK
20	Total Account 456.1 Per Books Total, Page 300, line 22, column b	\$ 32,082,399	\$ 2,894,440
21			
22	Less: Transmission Revenues - Load not in Divisor		
23	Sch 4 - Day-Ahead Load Response Charge Allocation	\$ (19,118)	\$ -
24	Sch 4 - Real-Time Load Response Charge Allocation	(7,546)	-
25	Sch 8 - Non-Firm PTP	148,489	27,391
26	Sch 9 - NITS	28,839,836	-
27	Sch 26 - MTEP Project Cost Recovery - To Page 4, Line 36	1,180,461	-
28	PJM Customer Payment Default	(1,776)	-
29	Facilities Charges	177,633	51,886
30	Other Transmission Revenues - FTR's	-	2,732,544
31	Miscellaneous	1,956	-
32	Total Transmission Revenues - Load not in Divisor	\$ 30,319,935	\$ 2,811,821
33			
34	Total Account 456.1 - To Page 4, Line 35	\$ 1,762,464	\$ 82,619

Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2021

**Duke Energy Ohio Consolidated
Capital Structure
December 31, 2021
(In Dollars)**

Line No.	Description	Parent DE Ohio Holding Co.
1	Total Proprietary Capital, page 112, line 16, column c	\$ 4,475,239,295
2	Less: Goodwill, page 233, line 1, column f	<u>\$ 746,918,647</u>
3	Total Common Stock Equity - To Page 4, Line 23	<u>\$ 3,728,320,648</u>

Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2021

2021 DEOK MONTHLY TRANSMISSION SYSTEM PEAKS (KILOWATTS)

Line No.	Month	Monthly Peak ⁽¹⁾
1	Jan	3,827,000
2	Feb	4,219,000
3	Mar	3,539,000
4	Apr	3,403,000
5	May	4,442,000
6	Jun	5,193,000
7	Jul	4,952,000
8	Aug	5,303,000
9	Sep	4,656,000
10	Oct	3,832,000
11	Nov	3,604,000
12	Dec	<u>3,709,000</u>
13	Total	50,679,000
14	Average	<u>4,223,250</u>

Notes:

- (1) DEOK 1 CP is Duke Energy Ohio ("DEO") Monthly Firm Transmission System Peak Load as reported on page 400, column b of Form 1 at the time of DEO's annual peak.

Duke Energy Ohio
2021 OATT Annual Update
Worksheet for Derivation of PBOP Expense
Included in 2021 FERC Form 1 Data

Exhibit No. DUK-102
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For the 12 months ended: 12/31/2021

Actual PBOP Expense Components and Calculation Derivation (per Note E)						
Line	FERC Account	Description and Calculation Derivation	DEO / Duke Energy Ohio (503)	Duke Energy Business Services (110)	Total DEO	Source (Document, Page)
1	926	Duke Energy - All Legacy Postretirement Welfare Plans				
2						
3		Net Periodic Benefit Cost - Service Cost	\$ 208,551	\$ 1,079,018		Actuarial Valuation Report December 31, 2021 Disclosure and Fiscal 2022 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11
4		Long-term Disability Expense				
5		Adjustment to Reflect (Gains) and Losses	(1,524,008)	(582,672)		Duke Energy Postemployment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Year Ending December 31, 2021 LTD_FAS 112 Summary Page 19
6		Accrual for Future Disableds	<u>1,112,000</u>	<u>2,780,000</u>		
7						
8		Total Service Cost and Long-Term Disability Expense	<u>\$ (203,457)</u>	<u>\$ 3,276,346</u>		
9						
10		O&M Percentage	45.32%	54.97%		Actual O&M / Capital Split for YE 2021
11		Electric Only Percentage	71.96%			DEO 2021 Allocation Stat Percentages Table
12		Percent DEBS Allocation to DEO (Electric only)		9.83%		Service Company Labor Allocation to DEO for 2021
13		Adjustment to Transfer Expense to/from Duke Affiliates			\$ 252,675	
14						
15		PBOP Expense O&M for DEO (Line 8 * Line 10 * (Line 11 or Line 12))	\$ (66,352)	\$ 177,039	\$ 110,687	
16						
17		Total DEO Direct and Allocated PBOP Expense (Benefit cost pool)			<u>\$ 363,362</u>	
18						
19		Duke Energy - All Legacy Postretirement Welfare Plans				
20		Net Periodic Benefit Cost - Non-Service Cost	\$ 70,785	\$ (1,893,096)		Actuarial Valuation Report December 31, 2021 Disclosure and Fiscal 2022 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11
21		Purchase Accounting Amortization	<u>1,131,572</u>			Year End 2015 Footnote Disclosures - Prepurchase Accounting
22		Total Non-Service Cost and Purchase Accounting Amortization	<u>\$ 1,202,357</u>	<u>\$ (1,893,096)</u>		
23						
24		Electric Only Percentage	71.96%			DEO 2021 Allocation Stat Percentages Table
25		Percent DEBS Allocation to DEO (Electric only)		3.59%		2021 DGF1 per Cost Allocation Manual (CAM)
26						
27		PBOP Expense O&M for DEO - Non-Service Cost Including Purchase Accounting Amortization (Line 22 * (Line 24 or Line 25))	\$ 865,216	\$ (67,962)	\$ 797,254	
28						
29						
30		Total DEO PBOP Expense - FERC Account 926 (To page 3 of 6, Line 3a)			<u>\$ 1,160,616</u>	

**Duke Energy Kentucky
2021 OATT Annual Update
Worksheet for Derivation of PBOP Expense
Included in 2021 FERC Form 1 Data**

Exhibit No. DUK-102
Page 12 of 19
For the 12 months ended: 12/31/2021

Actual PBOP Expense Components and Calculation Derivation (per Note E)						
Line	FERC Account	Description and Calculation Derivation	DEK / Duke Energy Kentucky (536)	Duke Energy Business Services (110)	Total DEK	Source (Document, Page)
1	926					
2		Duke Energy - All Legacy Postretirement Welfare Plans				
3		Net Periodic Benefit Cost - Service Cost	\$ 80,691	\$ 1,079,018		Actuarial Valuation Report December 31, 2021 Disclosure and Fiscal 2022 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Page 11 Retirement Plans
4		Long-term Disability Expense				
5		Adjustment to Reflect (Gains) and Losses	(999,508)	(582,672)		Duke Energy Postemployment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Page 19/20 Year Ending December 31, 2021
6		Accrual for Future Disableds	695,000	2,780,000		LTD_FAS 112 Summary
7						
8		Total Service Cost and Long-Term Disability Expense	\$ (223,817)	\$ 3,276,346		
9						
10		O&M Percentage	66.86%	60.15%		Actual O&M / Capital Split for YE 2021
11		Electric Only Percentage	71.66%			DEO 2021 Allocation Stat Percentages Table
12		Percent DEBS Allocation to DEK (Electric only)		3.05%		Service Company Labor Allocation to DEO for 2021
13		Adjustment to Transfer Expense to/from Duke Affiliates			\$ 120,686	
14						
15		PBOP Expense O&M for DEK (Line 8 * Line 10 * (Line 11 or Line 12))	\$ (107,235)	\$ 60,107	\$ (47,128)	
16						
17		Total DEK Direct and Allocated PBOP Expense (Benefit cost pool)			\$ 73,558	
18						
19		Duke Energy - All Legacy Postretirement Welfare Plans				
20		Net Periodic Benefit Cost - Non-Service Cost	\$ (148,110)	\$ (1,893,096)		Actuarial Valuation Report December 31, 2021 Disclosure and Fiscal 2022 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Page 11 Retirement Plans
21		Purchase Accounting Amortization	187,539			Year End 2015 Footnote Disclosures - Prepurchase Accounting
22		Total Non-Service Cost and Purchase Accounting Amortization	\$ 39,429	\$ (1,893,096)		
23						
24		Electric Only Percentage	71.66%			DEO 2021 Allocation Stat Percentages Table
25		Percent DEBS Allocation to DEK (Electric only)		1.15%		2021 DGF per Cost Allocation Manual (CAM)
26						
27		PBOP Expense O&M for DEK - Non-Service Cost Including Purchase Accounting Amortization (Line 22 * (Line 24 or Line 25))	\$ 28,255	\$ (21,771)	\$ 6,484	
28						
29						
30		Total DEK PBOP Expense - FERC Account 926 (To page 3 of 6, Line 3a)			\$ 80,042	

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

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For the 12 months ended: 12/31/2021

Schedule 1A - Annual MWh

Line No.	Transaction Type	Seller	MWh
1	Default Supplier Load	CEDDPR	(1,552,137)
2		DTTDEO	(255,423)
3		DXTDEO	(94,706)
4		EPPDPR	(92,197)
5		ETDUKE	(328,961)
6		FESDPN	(118,382)
7		FRDKOH	(203,523)
8		HARDOL	(454,399)
9		NEEDEO	(46,098)
10		PLRCDK	(390,425)
11		PLRRDK	(368,003)
12	Total Default Supplier Load		(3,904,253)
13			
14	De-rated Losses		(303,227)
15			
16	Retail Load Responsibility		(16,542,352)
17			
18	Wholesale Load Responsibility	AMPGEO	(48,605)
19		AMPHAM	(597,704)
20		AMPLEB	(378,720)
21		AMPWTN	(39,318)
22		BUCK	(246,680)
23		DEK	(4,082,370)
24		EKPC	(137,490)
25		EPVOBO	(26,973)
26		EPVOHO	(6,032)
27		EPVORO	(17,802)
28		IMPA	(62,822)
29	Total Wholesale Load Responsibility		(5,644,515)
30			
31	Grand Total (to Appendix A, line 4)		(26,394,348)

Source: PJM MSRS Report Catalog
 Report Category: Energy Transaction Details
 Report: RT Daily Energy Transactions

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

Page 14 of 19

For the 12 months ended: 12/31/2021

Transmission Owner Scheduling, System Control and Dispatch Service Credit Summary
PJM Billing Line Item 2320

Line No.	PJM Invoice	Month Booked	Schedule 1A Zone Credit	Schedule 1A Non-Zone Credit	Total	PJM Invoice	Variance	Cum. Var.
1	December 2020	January 2021	\$ (415,660.92)	\$ (12,762.36)	\$ (428,423.28)	\$ (428,423.63)	(0.35)	(0.35)
2	January 2021	February	(424,705.17)	(8,741.17)	(433,446.34)	(433,445.63)	0.71	0.36
3	February	March	(403,974.18)	(16,026.57)	(420,000.75)	(420,000.75)	0.00	0.36
4	March	April	(363,891.99)	(11,146.22)	(375,038.21)	(375,040.03)	(1.82)	(1.46)
5	April	May	(338,350.38)	(9,911.18)	(348,261.56)	(348,261.56)	0.00	(1.46)
6	May	June	(365,179.23)	(8,898.02)	(374,077.25)	(374,075.43)	1.82	0.36
7	June	July	(432,275.05)	(14,477.60)	(446,752.65)	(446,752.65)	0.00	0.36
8	July	August	(468,362.26)	(14,498.61)	(482,860.87)	(482,860.87)	0.00	0.36
9	August	September	(484,072.07)	(13,405.89)	(497,477.96)	(497,477.96)	0.00	0.36
10	September	October	(394,586.88)	(11,541.19)	(406,128.07)	(406,128.07)	0.00	0.36
11	October	November	(362,690.41)	(10,869.09)	(373,559.50)	(373,559.50)	0.00	0.36
12	November	December	\$ (364,299.02)	\$ (8,632.47)	\$ (372,931.49)	\$ (372,931.49)	0.00	0.36
13								
14	Attachment H-22A, Appendix A - Line 2			\$ (140,910.37)				

Source: PJM MSRS Report Catalog
Report Category: Other Ancillary Services
Report: Sched 1A Credit Summary

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

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For the 12 months ended: 12/31/2021

**Pole Attachment Percentage Calculation
For Revenue Credits, Account 454**

Line No.	Counts	DEO		DEK	
		Transmission	Distribution	Transmission	Distribution
1	Poles	25,460	407,636	5,531	76,130
2	Towers	6	5	-	-
3	Structures	53	75	-	3
4	Total	25,519	407,716	5,531	76,133
5					
6	Portion Attributable to Transmission	5.89% ⁽¹⁾	94.11%	6.77% ⁽¹⁾	93.23%

⁽¹⁾ To Exhibit No. DUK-102, Pg. 8, Line 12

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102
 Page 16 of 19
 For the 12 months ended: 12/31/2021

Changes to May 2021 Annual Update Filing

Line No.	DEOK Issue Reference	Description	Revenue Impact of Correction	Revenue Requirement
1		May 17, 2021 Filing		\$ 174,239,153
2				
3	BPI-1.10 BPI-1.12	Reduce DEO FERC accounts 190 and 283 for P1 adjustment corrections for the amount of \$680,764, and reduce DEK FERC accounts 190 and 283 for P1 adjustment corrections for the amount of \$3,347,121		
4			(27,130)	
5		Return Income Tax	(6,058)	
6			\$ (33,188)	\$ (33,188)
7				
8	Order No. 864 Second Compliance Filing Docket ER20-1832-002	Return of excess ADIT related to 2018 Kentucky corporate income tax rate change for the amount of \$88,477		
9				
10		Return Income Tax	⁸ (6,034)	
11			\$ (6,026)	\$ (6,026)
12				
13				
14		Revised Revenue Requirement - May 17, 2021 Filing		\$ 174,199,939
15				
16		Changes to May 17, 2021 Attachment H Filing		\$ 39,214
17				
18		FERC Refund Rate		3.25%
19				
20		Number of Periods		1.5
21				
22		Interest - ((Amount * (1+Rate)^Periods) - Amount)		\$ 1,951
23				
24		Total Refunds Due to Customers - To Attachment H, page 1 of 1	Line 16 + Line 22	\$ 41,165

Duke Energy Ohio and Duke Energy Kentucky

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 Page 17 of 19
 For the 12 months ended: 12/31/2021

LSE Expenses Included in Transmission O&M

<u>Line No.</u>	<u>Account</u>	<u>Description</u>	<u>DEO</u>	<u>DEK</u>
1	561.4	Scheduling, System Control & Dispatch Services, Page 321, line 88, col b	\$ 12,246,046	\$ 2,768,097
2				
3	561.8	Reliability, Planning and Standards Development Services, Page 321, line 92, col b	<u>16,210,575</u>	<u>2,073,859</u>
4				
5		Total LSE Expenses Included in Transmission O&M	\$ 28,456,622	\$ 4,841,956
6				
7		TE Allocator	<u>91.898%</u>	<u>80.695%</u>
8				
9		LSE Expense Allocated to Transmission To Page 3, Line 1a	<u>\$ 26,151,066</u>	<u>\$ 3,907,217</u>

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102
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For the 12 months ended: 12/31/2021

Prepayments - Account 165

Line No.	Description	DEO	DEK
1	Prepayments (165), Page 111, line 57, column c	\$ 3,780	\$ 1,293,933
2	Less: Gas BU Charges in Account 165	-	<u>91,578</u>
3	Adjusted Prepayments (165) - To Page 2, Line 29	<u>\$ 3,780</u>	<u>\$ 1,202,355</u>

**Duke Energy Ohio and Duke Energy Kentucky
Permanent Tax Basis Differences Including AFUDC Equity**

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Page 19 of 19
For the 12 months ended: 12/31/2021

Line No.	Description	Source	DEO	DEK
1	Permanent Tax Basis Differences Including AFUDC Equity	Company Books	\$ 2,248,775	\$ 669,582
2	$T=1 - \frac{\{(1 - \text{SIT}) * (1 - \text{FIT})\}}{(1 - \text{SIT} * \text{FIT} * p)}$ =	Page 3, Line 21	<u>21.00%</u>	<u>24.95%</u>
3	Tax Effect of Permanent Tax Basis Differences Including AFUDC Equity (Line 1 * Line 2)		<u>\$ 472,243</u>	<u>\$ 167,061</u> (1)

(1) To Page 3, line 25b