

Duke Energy Ohio and Duke Energy Kentucky

Per 2020 FERC Form 1

DESCRIPTION	Form No. 1 Page, Line, Col.	Per 2020 FERC Form 1		
		DEO	DEK	DEOK
GROSS PLANT IN SERVICE				
Production	205.46.g	\$ -	\$ 1,357,909,909	\$ 1,357,909,909
Transmission	207.58.g	1,174,534,297	94,399,794	1,268,934,091
Distribution	207.75.g	3,055,478,337	591,716,376	3,647,194,713
General & Intangible	205.5.g & 207.99.g	507,814,916	43,625,455	551,440,371
Common	356 (Total Common x Elec Dept %)	255,869,917	33,213,285	289,083,202
TOTAL GROSS PLANT		\$ 4,993,697,467	\$ 2,120,864,819	\$ 7,114,562,286
ACCUMULATED DEPRECIATION				
Production	219.20.c-219.24.c	\$ -	\$ 632,550,319	\$ 632,550,319
Transmission	219.25.c	221,232,622	16,571,557	237,804,179
Distribution	219.26.c	697,493,486	149,863,967	847,357,453
General & Intangible	200.21.c & 219.28.c	182,220,760	21,708,373	203,929,133
Common	356	105,116,272	22,250,331	127,366,603
TOTAL ACCUM. DEPRECIATION		\$ 1,206,063,140	\$ 842,944,547	\$ 2,049,007,687
NET PLANT IN SERVICE				
Production	Calculated	\$ -	\$ 725,359,590	\$ 725,359,590
Transmission	Calculated	953,301,675	77,828,237	1,031,129,912
Distribution	Calculated	2,357,984,851	441,852,409	2,799,837,260
General & Intangible	Calculated	325,594,156	21,917,082	347,511,238
Common	Calculated	150,753,645	10,962,954	161,716,599
TOTAL NET PLANT		\$ 3,787,634,327	\$ 1,277,920,272	\$ 5,065,554,599
ADJUSTMENTS TO RATE BASE				
Account No. 281 (enter negative)	273.8.k	\$ -	\$ -	\$ -
Account No. 282 (enter negative)	Exhibit No. DUK-102, Pg. 1	(523,596,257)	(186,604,247)	(710,200,504)
Account No. 283 (enter negative)	Exhibit No. DUK-102, Pg. 1	(48,618,129)	(25,431,172)	(74,049,301)
Account No. 190	Exhibit No. DUK-102, Pg. 1	26,508,719	32,975,485	59,484,204
Account No. 254 (enter negative)	DIT Worksheet, 11.e	(258,732,035)	(63,415,410)	(322,147,445)
Account No. 255 (enter negative)	267.8.h	0	0	0
TOTAL ADJUSTMENTS		\$ (804,437,702)	\$ (242,475,344)	\$ (1,046,913,046)
LAND HELD FOR FUTURE USE (Note G)	214.x.d [Exhibit No. DUK-102, Pg. 3]	\$ 1,508,140	\$ -	\$ 1,508,140
WORKING CAPITAL				
CWC	calculated	\$ 8,617,669	\$ 3,190,200	\$ 11,807,869
Materials & Supplies (Note G)	Exhibit No. DUK-102, Pg. 2	19,470,938	1,736	19,472,674
Prepayments (Account 165)	111.57.c	318,373	428,870	747,243
TOTAL WORKING CAPITAL		\$ 28,406,980	\$ 3,620,806	\$ 32,027,786
RATE BASE		\$ 3,013,111,745	\$ 1,039,065,734	\$ 4,052,177,479
O&M				
Transmission	321.112.b [Exhibit No. DUK-102, Pg. 18]	\$ 41,136,828	\$ 25,812,503	\$ 66,949,331
Less LSE Expenses included in Transmission O&M Accounts (Note V)	Exhibit No. DUK-102, Pg. 17	21,579,106	3,408,755	24,987,861
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	70,240	64,492	134,732
Less Account 565	321.96.b	0	19,283,242	19,283,242
A&G	Exhibit No. DUK-102, Pg. 5	51,811,531	23,472,897	75,284,428
PBOP Expense excluding Pension Expense included in line 3 for information only	(Note E) [Exhibit No. DUK-102, Pg. 11-12]	2,164,554	869,418	3,033,972
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	2,357,659	1,007,315	3,364,974
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)		\$ 68,941,354	\$ 25,521,596	\$ 94,462,950
DEPRECIATION EXPENSE				
Transmission	336.7.f	\$ 20,739,212	\$ 1,555,549	\$ 22,294,761
General & Intangible	336.1.f & 336.10.f	32,171,144	4,016,783	36,187,927
Common	336.11.f	7,802,095	69,584	7,871,679
TOTAL DEPRECIATION (Sum lines 9 - 11)		\$ 60,712,451	\$ 5,641,916	\$ 66,354,367
TAXES OTHER THAN INCOME TAXES				
LABOR RELATED				
Payroll	263.i.	\$ 3,826,421	\$ 1,822,924	\$ 5,649,345
Highway and vehicle	263.i.	2,058	692	2,750

Duke Energy Ohio and Duke Energy Kentucky

Per 2020 FERC Form 1

DESCRIPTION	Form No. 1 Page, Line, Col.	Per 2020 FERC Form 1		
		DEO	DEK	DEOK
PLANT RELATED				
Property	263.i.	177,296,426	11,377,272	188,673,698
Gross Receipts	263.i.	2,587,888	0	2,587,888
Other	263.i	0	0	0
Payments in lieu of taxes		0	0	0
TOTAL OTHER TAXES (sum lines 13 - 19)		\$ 183,712,793	\$ 13,200,888	\$ 196,913,681
INCOME TAXE RATES				
Federal Income Tax (FIT)		21.000000%	21.000000%	
State Income Tax (SIT) or Composite SIT (percent of federal income tax deductible for state purposes)	Exhibit No. DUK-102, Pg. 6	0.000000%	5.000000%	
Effective Income Tax Rate		21.000000%	24.950000%	
Amortized Investment Tax Credit	266.8.f (enter negative)	(98,533)	(428)	(98,961)
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	16,430,924	16,430,924
TRANSMISSION EXPENSES				
(561.1) Load Dispatch-Reliability	321.85.b	662,056	88,397	750,453
(561.2) Load Dispatch-Monitor & Operate Transmission System	321.86.b	2,994,933	411,016	3,405,949
(561.3) Load Dispatch-Transmission Service & Scheduling	321.87.b	393,863	55,048	448,911
Less transmission expenses included in OATT Ancillary Services (Note L)	321.85-87.b	4,050,852	554,461	4,605,313
WAGES & SALARY ALLOCATOR (W&S)				
		\$	\$	
Production	354.20.b	2,180,553	13,092,463	15,273,016
Transmission	354.21.b	6,529,507	900,288	7,429,795
Distribution	354.23.b	20,825,884	3,500,886	24,326,770
Other	354.24,25,26.b	10,137,512	2,087,533	12,225,045
Total (sum lines 12-15)		39,673,456	19,581,170	59,254,626
COMMON PLANT ALLOCATOR (CE) (Note O)				
		\$	\$	
Electric	200.3.c	4,180,898,255	1,779,353,280	5,960,251,535
Gas	201.3.d	2,253,162,454	593,363,800	2,846,526,254
Water	201.3.e	0	0	0
Total (sum lines 17 - 19)		6,434,060,709	2,372,717,080	8,806,777,789
RETURN (R)				
Interest on Long-Term Debt (427)	117.62.c	93,744,109	24,665,700	118,409,809
Amort. Of Debt Disc. And Expense (428)	117.63.c	3,332,706	392,830	3,725,536
Amort. Of Loss on Reacquired Debt (428.1)	117.64.c	389,553	171,778	561,331
(Less) Amort. Of Premium on Debt-Credit (429)	117.65.c	(473,733)	-	(473,733)
(Less) Amort. Of Gain on Reacquired Debt-Credit (429.1)	117.66.c	-	-	0
Interest on Debt to Assoc. Companies (430)	117.67.c	1,699,832	755,884	2,455,716
Long Term Interest	117, 62.c-67.c	98,692,467	25,986,192	124,678,659
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]	3,198,917,340	718,236,888	3,917,154,228
(Less) Preferred Stock	112.3.c	0	0	0
(Less) Account 216.1	112.12.c (enter negative)	(685,419,993)	0	(685,419,993)
Common Stock		2,513,497,347	718,236,888	3,231,734,235
	(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	550,000,000	706,720,000	1,256,720,000
Long Term Debt	112, 18.c-21.c	2,400,000,000	731,720,000	3,131,720,000
Preferred Stock	112.3.c	0	0	0
Common Stock	page 4 of 6, line 26	2,513,497,347	718,236,888	3,231,734,235
Total (sum lines 27-29)		4,913,497,347	1,449,956,888	6,363,454,235
REVENUE CREDITS				

For the 12 months ended:

12/31/2020

of Work Papers

Rates effective:

6/1/2021

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Duke Energy Ohio and Duke Energy Kentucky

Per 2020 FERC Form 1

DESCRIPTION	Form No. 1 Page, Line, Col.	Per 2020 FERC Form 1		
		DEO	DEK	DEOK
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	\$ 282,197	\$ 114,984	\$ 397,181
ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U)	Exhibit No. DUK-102, Pg. 8	\$ 1,854,954	\$ 69,581	\$ 1,924,535
ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note W)	Exhibit No. DUK-102, Pg. 8	\$ 1,406,967	\$ -	\$ 1,406,967
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	\$ 165,386,525	\$ 9,194,719	\$ 174,581,244
FERC Refund Rate			4.75%	

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2020

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			\$ 178,277,802
	REVENUE CREDITS				
2	Account No. 454	DEO + DEK			\$ 377,167
3	Account No. 456.1	DEO + DEK			1,912,424
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			1,406,967
	Corrections Related to Prior Year Filings				342,091
6	TOTAL REVENUE CREDITS (sum lines 2-5)				\$ 4,038,649
7	NET REVENUE REQUIREMENT	(line 1 minus line 6)			\$ 174,239,153
	DIVISOR				
8	1 CP	DEO + DEK			4,959,000
9	12 CP	DEO + DEK			4,018,083
10	Reserved				
11	Reserved				
12	Reserved				
13	Reserved				
14	Reserved				
15	Annual Cost (\$/kW/Yr) - 1 CP	(line 7 / line 8)	\$35.136		
16	Annual Cost (\$/kW/Yr) - 12 CP	(line 7 / line 9)	\$43.364		
17	Network Rate (\$/kW/Mo)	(line 15 / 12)	\$2.928		
17a	Point-To-Point Rate (\$/kW/Mo)	(line 16 / 12)	\$3.614		
			Peak Rate		Off-Peak Rate
18	Point-To-Point Rate (\$/kW/Wk)	(line 16 / 52; line 16 / 52)	\$0.834		
19	Point-To-Point Rate (\$/kW/Day)	(line 16 / 260; line 16 / 365)	\$0.167 Capped at weekly rate		\$0.119
20	Point-To-Point Rate (\$/MWh)	(line 16 / 4,160; line 16 / 8,760 * 1,000)	\$0.010 Capped at weekly and daily rate		\$4.950

For the 12 months ended: 12/31/2020

DUKE ENERGY OHIO AND DUKE ENERGY KENTUCKY (DEOK)
Transmission Formula Rate Revenue Requirement
Utilizing FERC Form 1 Data
For Rates Effective June 1, 2021

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 \$ 4,605,313
2	Revenue Credits for Schedule 1A - Note A	\$ 158,639
3	Net Schedule 1A Revenue Requirement for Zone	\$ 4,446,674
B. Schedule 1A Rate Calculations		
4	2020 Annual MWh - Note B	Company Records 25,729,403 MWh
5	Schedule 1A rate \$/MWh	(Line 3 / Line 4) \$0.1728 \$/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		\$ -			\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
1b		\$ -			\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
1c		\$ -			\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$0	\$0	\$0
3	RTEP Transmission Enhancement Charges for Attachment H-22A											\$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 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	\$ 17,543,031		\$ 1,135,034	\$ 15,253,451		\$ 1,156,212	\$ 315,747	\$ 2,606,993	\$ -	\$ 2,606,993
1b	Project 2	P2	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
1c	Project 3	P3	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$2,606,993	\$0	\$2,606,993
3	MTEP Transmission Enhancement Charges											\$2,606,993

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**

<u>FERC Account Number</u> (A)	<u>Company Account Number</u> (B)	<u>Description</u> (C)	<u>Actual Accrual Rates</u> (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**

FERC Account Number (A)	Company Account Number (B)	Description (C)	Actual Accrual Rates (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: 12/31/2020

Duke Energy Ohio, Inc.
Protected 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	182.3	\$ -	\$ -	\$ -	\$ -
2	253	-	-	-	-
3	Balance Sheet Only Total	\$ -	\$ -	\$ -	\$ -
4	182.3	\$ -	\$ -	\$ -	\$ -
5	254	(15,303,676)	194,155,847	-	178,852,171
6	EDIT Liability Total	\$ (15,303,676)	\$ 194,155,847	\$ -	\$ 178,852,171
7	411.2	\$ -	\$ -	\$ -	\$ -
8	Def. Income Tax Expense Total	\$ -	\$ -	\$ -	\$ -
9	Total Change in Excess/Deficient DIT (Line 3 + Line 6 + Line 8)	\$ (15,303,676)	\$ 194,155,847	\$ -	\$ 178,852,171

	(a) Year	(b) Amortization Rate	(c) Beginning Year Balance	(d)* = (b) x (System Level Balance) Current Year Amortization	(e)* = (c) - (d) Remaining Balance
10	2018	0.00%	\$ 178,852,171	\$ -	\$ 178,852,171
11	2019	0.86%	\$ 178,852,171	\$ 1,543,209	\$ 177,308,962
12	2020	3.67%	\$ 177,308,962	\$ 6,561,905	\$ 170,747,057

(d) * To Page 3, Line 25
(e) * To Page 2, Line 23

For the 12 months ended: 12/31/2020

Duke Energy Ohio, 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	182.3	\$ -	\$ 32,534,620	\$ -	\$ 32,534,620
2	253	-	-	(236,711)	(236,711)
3	Balance Sheet Only Total	\$ -	\$ 32,534,620	\$ (236,711)	\$ 32,297,909
4	182.3	\$ -	\$ -	\$ -	\$ -
5	254	(3,740,705)	92,067,703	15,499,047	103,826,045
6	EDIT Liability Total	\$ (3,740,705)	\$ 92,067,703	\$ 15,499,047	\$ 103,826,045
7	411.2	-	(312,771)	(57,596)	(370,367)
8	Def. Income Tax Expense Total	\$ -	\$ (312,771)	\$ (57,596)	\$ (370,367)
9	Total Change in Excess/Deficient DIT (Line 3 + Line 6 + Line 8)	\$ (3,740,705)	\$ 124,289,552	\$ 15,204,740	\$ 135,753,587

	(a) Year	(b)* Amortization Rate	(c) Beginning Year Balance	(d)* = (b) x (System Level Balance) Current Year Amortization	(e)* = (c) - (d) Remaining Balance
10	2018	0.00%	\$ 103,826,045	\$ -	\$ 103,826,045
11	2019	6.41%	\$ 103,826,045	\$ 6,657,667	\$ 97,168,378
12	2020	8.84%	\$ 97,168,378	\$ 9,183,400	\$ 87,984,978

(d) * To Page 3, Line 25
(e) * To Page 2, Line 23

For the 12 months ended: 12/31/2020

Duke Energy Kentucky, Inc.
Protected 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	182.3	\$ -	\$ -	\$ -	\$ -
2	253	-	-	-	-
3	Balance Sheet Only Total	\$ -	\$ -	\$ -	\$ -
4	182.3	\$ -	\$ -	\$ -	\$ -
5	254	-	47,815,707	-	47,815,707
6	EDIT Liability Total	\$ -	\$ 47,815,707	\$ -	\$ 47,815,707
7	411.2	\$ -	\$ -	\$ -	\$ -
8	Def. Income Tax Expense Total	\$ -	\$ -	\$ -	\$ -
9	Total Change in Excess/Deficient DIT (Line 3 + Line 6 + Line 8)	\$ -	\$ 47,815,707	\$ -	\$ 47,815,707

	(a) Year	(b) Amortization Rate	(c) Beginning Year Balance	(d)* = (b) x (System Level Balance) Current Year Amortization	(e)* = (c) - (d) Remaining Balance
10	2018	0.61%	\$ 47,815,707	\$ 292,642	\$ 47,523,065
11	2019	1.53%	\$ 47,523,065	\$ 729,855	\$ 46,793,210
12	2020	0.08%	\$ 46,793,210	\$ 39,035	\$ 46,754,175

(d) * To Page 3, Line 25
(e) * To Page 2, Line 23

For the 12 months ended: 12/31/2020

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

Line No.	Offset (Dr.)/Cr. <u>Deferred Income Tax Remeasurement</u> (a)	Dr./ <u>(Cr.)</u> <u>190</u> (b)	Dr./ <u>(Cr.)</u> <u>282</u> (c)	Dr./ <u>(Cr.)</u> <u>283</u> (d)	Dr./ <u>(Cr.)</u> <u>Total</u> (e)
1	182.3	\$ -	\$ 1,908,088	\$ -	\$ 1,908,088
2	253	-	-	-	-
3	Balance Sheet Only Total	\$ -	\$ 1,908,088	\$ -	\$ 1,908,088
4	182.3	\$ -	\$ -	\$ -	\$ -
5	254	<u>(7,618,493)</u>	<u>21,974,672</u>	<u>11,065,317</u>	<u>25,421,496</u>
6	EDIT Liability Total	\$ (7,618,493)	\$ 21,974,672	\$ 11,065,317	\$ 25,421,496
7	411.2	\$ -	\$ 18,895,103	\$ (51,436)	\$ 18,843,667
8	Def. Income Tax Expense Total	\$ -	\$ 18,895,103	\$ (51,436)	\$ 18,843,667
9	Total Change in Excess/Deficient DIT (Line 3 + Line 6 + Line 8)	<u>\$ (7,618,493)</u>	<u>\$ 42,777,863</u>	<u>\$ 11,013,881</u>	<u>\$ 46,173,251</u>

	(a) Year	(b)* Amortization Rate	(c) Beginning Year Balance	(d)* = (b) x (System Level Balance) Current Year Amortization	(e)* = (c) - (d) Remaining Balance
10	2018	8.66%	\$ 25,421,496	\$ 2,202,186	\$ 23,219,311
11	2019	12.80%	\$ 23,219,311	\$ 3,254,797	\$ 19,964,514
12	2020	12.99%	\$ 19,964,514	\$ 3,303,279	\$ 16,661,235

(d) * To Page 3, Line 25
(e) * To Page 2, Line 23

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2020

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)			\$ 168,930,643
REVENUE CREDITS (Note T)					
2	Account No. 454	(page 4, line 34)	Total	Allocator	
3	Account No. 456.1	(page 4, line 35)	\$ 282,197	TP 1.00000	\$ 282,197
4a	Revenues from Grandfathered Interzonal Transactions		1,854,954	TP 1.00000	1,854,954
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)	1,406,967	TP 1.00000	1,406,967
6	TOTAL REVENUE CREDITS (sum lines 2-5)				\$ 3,544,118
7	NET REVENUE REQUIREMENT	(line 1 minus line 6)			<u>\$ 165,386,525</u>

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2020

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	1,174,534,297	TP 1.00000	\$ 1,174,534,297
3	Distribution	207.75.g	3,055,478,337	NA	
4	General & Intangible	205.5.g & 207.99.g	507,814,916	WS 0.16458	83,576,179
5	Common	356	255,869,917	CE 0.10695	27,365,288
6	TOTAL GROSS PLANT (sum lines 1-5)		\$ 4,993,697,467	GP= 0.25742	\$ 1,285,475,764
ACCUMULATED DEPRECIATION AND AMORTIZATION					
7	Production	219.20.c-219.24.c	\$ -	NA	
8	Transmission	219.25.c	221,232,622	TP 1.00000	\$ 221,232,622
9	Distribution	219.26.c	697,493,486	NA	
10	General & Intangible	200.21.c & 219.28.c	182,220,760	WS 0.16458	29,989,893
11	Common	356	105,116,272	CE 0.10695	11,242,185
12	TOTAL ACCUM. DEPRECIATION AND AMORTIZATION (sum lines 7-11)		\$ 1,206,063,140		\$ 262,464,700
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	\$ -		
14	Transmission	(line 2 - line 8)	953,301,675		\$ 953,301,675
15	Distribution	(line 3 - line 9)	2,357,984,851		
16	General & Intangible	(line 4 - line 10)	325,594,156		53,586,286
17	Common	(line 5 - line 11)	150,753,645		16,123,103
18	TOTAL NET PLANT (sum lines 13-17)		\$ 3,787,634,327	NP= 0.27009	\$ 1,023,011,064
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	(523,596,257)	NP 0.27009	(141,418,113)
21	Account No. 283 (enter negative)	277.9.k & 277.18.k	(48,618,129)	NP 0.27009	(13,131,270)
22	Account No. 190	234.8.c & 234.17.c	26,508,719	NP 0.27009	7,159,740
23	Account No. 254 (enter negative)	DIT Worksheet, 11.e	(258,732,035)	NP 0.27009	(69,880,935)
24	Account No. 255 (enter negative) (Note K)	267.8.h	0	NP 0.27009	0
25	TOTAL ADJUSTMENTS (sum lines 19 - 24)		\$ (804,437,702)		\$ (217,270,578)
26	LAND HELD FOR FUTURE USE (Note G)	214.x.d	\$ 1,508,140	TP 1.00000	\$ 1,508,140
WORKING CAPITAL (Note H)					
27	CWC	calculated	\$ 8,617,669		\$ 2,947,847
28	Materials & Supplies (Note G)	227.5.c & 227.8.c & 227.16.c	19,470,938	TE 0.90153	17,553,635
29	Prepayments (Account 165)	111.57.c	318,373	GP 0.25742	81,956
30	TOTAL WORKING CAPITAL (sum lines 27 - 29)		\$ 28,406,980		\$ 20,583,438
31	RATE BASE (sum lines 18, 25, 26, & 30)		\$ 3,013,111,745		\$ 827,832,064

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2020

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	\$ 41,136,828	TE	\$ 37,086,085
1a	Less LSE Expenses included in Transmission O&M Accounts (Note V)	321.88.b & 321.92.b	21,579,106		21,579,106
1b	Less Midcontinent ISO Exit Fees included in Transmission O&M	(Note X)	0	TE	0
1c	Less EPRI Annual Membership Dues	(Note I)	70,240	TE	63,323
2	Less Account 565	321.96.b	0	TE	0
3	A&G	323.197.b	51,811,531	WS	8,527,142
3a	PBOP Expense excluding Pension Expense included in line 3 for information only	(Note E)	2,164,554	WS	
3b	Less PJM Integration Costs included in A&G and Internal Integration Costs included in A&G	(Note Y)	0	WS	0
4	Less FERC Annual Fees	350.x.b	0	WS	0
5	Less EPRI & Reg. Comm. Exp. & Non-safety Advertising (Note I)		2,357,659	WS	388,024
5a	Plus Transmission Related Reg. Comm. Exp. (Note I)		0	TE	0
6	Common	356	0	CE	0
7	Transmission Lease Payments		0		0
8	TOTAL O&M (sum lines 1, 3, 5a, 6, 7 less lines 1a, 1b, 1c, 2, 3b, 4, 5)		\$ 68,941,354		\$ 23,582,774
DEPRECIATION AND AMORTIZATION EXPENSE					
9	Transmission	336.7.f	\$ 20,739,212	TP	\$ 20,739,212
10	General & Intangible	336.1.f & 336.10.f	32,171,144	WS	5,294,727
11	Common	336.11.f	7,802,095	CE	834,434
12	TOTAL DEPRECIATION AND AMORTIZATION (sum lines 9 - 11)		\$ 60,712,451		\$ 26,868,373
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
13	Payroll	263.i	\$ 3,826,421	WS	\$ 629,752
14	Highway and vehicle	263.i	2,058	WS	339
PLANT RELATED					
16	Property	263.i	177,296,426	GP	45,639,646
17	Gross Receipts	263.i	2,587,888	NA	0
18	Other	263.i	0	GP	0
19	Payments in lieu of taxes		0	GP	0
20	TOTAL OTHER TAXES (sum lines 13 - 19)		\$ 183,712,793		\$ 46,269,737
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.		19.758475%		
23	$1 / (1 - T) =$ (from line 21)		1.26582278		
24	Amortized Investment Tax Credit	266.8.f (enter negative)	\$ (98,533)		
25	Amortization of Excess/Deficient Deferred Income Taxes (Note O)	DIT Worksheet, 11.d	(15,745,305)		
26	Income Tax Calculation (line 22 * line 30)		\$ 46,615,509	NA	\$ 12,807,296
27	ITC adjustment (line 23 * line 24)		(124,725)	NP	(33,687)
28	Excess/Deficient DIT amortization (line 23 * line 25)		(19,930,766)	NP	(5,383,101)
29	Total Income Taxes (sum lines 26 - 28)		\$ 26,560,018		\$ 7,390,508
30	RETURN [Rate Base (page 2, line 31) * Rate of Return (page 4, line 30)]		\$ 235,926,650	NA	\$ 64,819,251
31	REV. REQUIREMENT (sum lines 8, 12, 20, 29, 30)		\$ 575,853,266		\$ 168,930,643

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2020

**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)					\$	1,174,534,297
2	Less transmission plant excluded from ISO rates (Note M)						0
3	Less transmission plant included in OATT Ancillary Services (Note N)						0
4	Transmission plant included in ISO Rates (line 1 less lines 2 & 3)					\$	1,174,534,297
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)					\$	41,136,828
7	Less transmission expenses included in OATT Ancillary Services (Note L)						4,050,852
8	Included transmission expenses (line 6 less line 7)					\$	37,085,976
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)						0.90153
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=		0.90153
WAGES & SALARY ALLOCATOR (WS)							
		Form 1 Reference	\$	TP	Allocation		
12	Production	354.20.b	2,180,553	0.00	0		
13	Transmission	354.21.b	6,529,507	1.00	6,529,507		
14	Distribution	354.23.b	20,825,884	0.00	0		
15	Other	354.24,25,26.b	10,137,512	0.00	0		
16	Total Electric (sum lines 12-15)		39,673,456		6,529,507	=	0.16458 = WS
COMMON PLANT ALLOCATOR (CE)							
			\$		% Electric	WS Allocator	
17	Electric	200.3.c	4,180,898,255		(line 17 / line 20)	(line 16)	CE
18	Gas	201.3.d	2,253,162,454		0.64981 *	0.16458	= 0.10695
19	Water	201.3.e	0				
20	Total (sum lines 17 - 19)		6,434,060,709				
RETURN (R)							
21		Long Term Interest (117, sum of 62.c through 67.c)				\$	98,692,467
22		Preferred Dividends (118.29.c) (positive number)					0
Development of Common Stock:							
23		Proprietary Capital (112.16.c)					3,198,917,340
24		Less Preferred Stock (line 28)					0
25		Less Account 216.1 (112.12.c) (enter negative)					(685,419,993)
26		Common Stock (sum lines 23-25)					2,513,497,347
27	Long Term Debt (112, sum of 18.c through 21.c)	(Note P)	\$	%	Cost	Weighted	
28	Preferred Stock (112.3.c)		2,400,000,000	49%	0.0411	0.0201 =WCLTD	
29	Common Stock (line 26)		0	0%	0.0000	0.0000	
30	Total (sum lines 27-29)		2,513,497,347	51%	0.1138	0.0582	
			4,913,497,347			0.0783 =R	
REVENUE CREDITS							
ACCOUNT 447 (SALES FOR RESALE) (Note Q)							
31	a. Bundled Non-RQ Sales for Resale (311.x.h)	(310-311)				Load	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)					\$	282,197
35	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U)	(330.x.n)				\$	1,854,954
36	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note W)	(330.x.n)				\$	1,406,967

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2020

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 FASB 106 or 109. Account 254 includes Other Regulated Liabilities 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= | 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 25).
 - 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: 12/31/2020

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.

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)
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)	1,174,534,297	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	953,301,675	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	23,582,774	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	2.01%	2.01%
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)	6,129,161	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.52%	0.52%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	46,269,737	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	3.94%	3.94%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		6.47%
INCOME TAXES				
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	7,390,508	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	0.78%	0.78%
RETURN				
12	Return on Rate Base	Att. H-22A, p 3, line 30, col 5	64,819,251	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.80%	6.80%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.58%

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		\$ -		6.47%	\$ -	\$ -	7.58%	\$ -	\$ -	\$ -	\$ -	\$ -
1b		\$ -		6.47%	\$ -	\$ -	7.58%	\$ -	\$ -	\$ -	\$ -	\$ -
1c		\$ -		6.47%	\$ -	\$ -	7.58%	\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$0	\$0	\$0
3	RTEP Transmission Enhancement Charges for Attachment H-22A											\$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 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)
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)	1,174,534,297	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	953,301,675	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	23,582,774	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	2.01%	2.01%
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)	6,129,161	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.52%	0.52%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	46,269,737	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	3.94%	3.94%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		6.47%
INCOME TAXES				
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	7,390,508	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	0.78%	0.78%
RETURN				
12	Return on Rate Base	Att. H-22A, p 3, line 30, col 5	64,819,251	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.80%	6.80%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.58%

Rate Formula Template
Utilizing Attachment H-22A Data

DUKE ENERGY OHIO (DEO)
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	Hillcrest 345 kV	91	\$ 17,543,031	6.47%	\$ 1,135,034	\$ 15,253,451	7.58%	\$ 1,156,212	\$ 315,747	\$ 2,606,993	\$ -	\$ 2,606,993
1b	Project 2	P2	\$ -	6.47%	\$ -	\$ -	7.58%	\$ -	\$ -	\$ -	\$ -	\$ -
1c	Project 3	P3	\$ -	6.47%	\$ -	\$ -	7.58%	\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$2,606,993	\$0	\$2,606,993
3	MTEP Transmission Enhancement Charges											\$2,606,993

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: 12/31/2020

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)			\$ 9,347,159
	REVENUE CREDITS (Note T)		<u>Total</u>	<u>Allocator</u>	
2	Account No. 454	(page 4, line 34)	\$ 114,984	TP 0.82594	\$ 94,970
3	Account No. 456.1	(page 4, line 35)	69,581	TP 0.82594	57,470
4a	Revenues from Grandfathered Interzonal Transactions		0	TP 0.82594	0
4b	Revenues from service provided by ISO at a discount		0	TP 0.82594	0
5	Legacy MTEP Credit (Account 456.1)	(page 4, line 36)	0	1.00000	0
6	TOTAL REVENUE CREDITS (sum lines 2-5)				<u>\$ 152,440</u>
7	NET REVENUE REQUIREMENT	(line 1 minus line 6)			<u>\$ 9,194,719</u>

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2020

Rate Formula Template
Utilizing FERC Form 1 Data

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	\$ 1,357,909,909	NA	
2	Transmission	207.58.g	94,399,794	TP	0.82594 \$ 77,968,566
3	Distribution	207.75.g	591,716,376	NA	
4	General & Intangible	205.5.g & 207.99.g	43,625,455	WS	0.03797 1,656,459
5	Common	356	33,213,285	CE	0.02847 945,582
6	TOTAL GROSS PLANT (sum lines 1-5)		\$ 2,120,864,819	GP=	0.03799 \$ 80,570,607
ACCUMULATED DEPRECIATION AND AMORTIZATION					
7	Production	219.20.c-219.24.c	\$ 632,550,319	NA	
8	Transmission	219.25.c	16,571,557	TP	0.82594 \$ 13,687,112
9	Distribution	219.26.c	149,863,967	NA	
10	General & Intangible	200.21.c & 219.28.c	21,708,373	WS	0.03797 824,267
11	Common	356	22,250,331	CE	0.02847 633,467
12	TOTAL ACCUM. DEPRECIATION AND AMORTIZATION (sum lines 7-11)		\$ 842,944,547		\$ 15,144,846
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	\$ 725,359,590		
14	Transmission	(line 2 - line 8)	77,828,237		\$ 64,281,454
15	Distribution	(line 3 - line 9)	441,852,409		
16	General & Intangible	(line 4 - line 10)	21,917,082		832,192
17	Common	(line 5 - line 11)	10,962,954		312,115
18	TOTAL NET PLANT (sum lines 13-17)		\$ 1,277,920,272	NP=	0.05120 \$ 65,425,761
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	(186,604,247)	NP	0.05120 (9,554,137)
21	Account No. 283 (enter negative)	277.9.k & 277.18.k	(25,431,172)	NP	0.05120 (1,302,076)
22	Account No. 190	234.8.c & 234.17.c	32,975,485	NP	0.05120 1,688,345
23	Account No. 254 (enter negative)	DIT Worksheet, 11.e	(63,415,410)	NP	0.05120 (3,246,869)
24	Account No. 255 (enter negative) (Note K)	267.8.h	0	NP	0.05120 0
25	TOTAL ADJUSTMENTS (sum lines 19 - 24)		\$ (242,475,344)		\$ (12,414,737)
26	LAND HELD FOR FUTURE USE (Note G)	214.x.d	\$ -	TP	1.00000 \$ -
WORKING CAPITAL (Note H)					
27	CWC	calculated	\$ 3,190,200		\$ 333,636
28	Materials & Supplies (Note G)	227.5.c & 227.8.c & 227.16.c	1,736	TE	0.80820 1,403
29	Prepayments (Account 165)	111.57.c	428,870	GP	0.03799 16,293
30	TOTAL WORKING CAPITAL (sum lines 27 - 29)		\$ 3,620,806		\$ 351,332
31	RATE BASE (sum lines 18, 25, 26, & 30)		\$ 1,039,065,734		\$ 53,362,356

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2020

Rate Formula Template
Utilizing FERC Form 1 Data

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	\$ 25,812,503	TE	\$ 20,861,665
1a	Less LSE Expenses included in Transmission O&M Accounts (Note V)	321.88.b & 321.92.b	3,408,755	1.00000	3,408,755
1b	Less Midcontinent ISO Exit Fees included in Transmission O&M	(Note X)	0	TE	0
1c	Less EPRI Annual Membership Dues	(Note I)	64,492	TE	52,122
2	Less Account 565	321.96.b	19,283,242	TE	15,584,716
3	A&G	323.197.b	23,472,897	WS	891,266
3a	PBOP Expense excluding Pension Expense included in line 3 for information only	(Note E)	869,418	WS	
3b	Less PJM Integration Costs included in A&G and Internal Integration Costs included in A&G	(Note Y)	0	WS	0
4	Less FERC Annual Fees	350.x.b	0	WS	0
5	Less EPRI & Reg. Comm. Exp. & Non-safety Advertising (Note I)		1,007,315	WS	38,248
5a	Plus Transmission Related Reg. Comm. Exp. (Note I)		0	TE	0
6	Common	356	0	CE	0
7	Transmission Lease Payments		0		0
8	TOTAL O&M (sum lines 1, 3, 5a, 6, 7 less lines 1a, 1b, 1c, 2, 3b, 4, 5)		\$ 25,521,596		\$ 2,669,090
DEPRECIATION AND AMORTIZATION EXPENSE					
9	Transmission	336.7.f	\$ 1,555,549	TP	\$ 1,284,790
10	General & Intangible	336.1.f & 336.10.f	4,016,783	WS	152,517
11	Common	336.11.f	69,584	CE	1,981
12	TOTAL DEPRECIATION AND AMORTIZATION (sum lines 9 - 11)		\$ 5,641,916		\$ 1,439,288
TAXES OTHER THAN INCOME TAXES (Note J)					
LABOR RELATED					
13	Payroll	263.i	\$ 1,822,924	WS	\$ 69,216
14	Highway and vehicle	263.i	692	WS	26
PLANT RELATED					
16	Property	263.i	11,377,272	GP	432,223
17	Gross Receipts	263.i	0	NA	0
18	Other	263.i	0	GP	0
19	Payments in lieu of taxes		0	GP	0
20	TOTAL OTHER TAXES (sum lines 13 - 19)		\$ 13,200,888		\$ 501,465
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.		25.235397%		
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, 11.d	(3,342,314)		
26	Income Tax Calculation (line 22 * line 30)		\$ 19,482,379	NA	\$ 1,000,539
27	ITC adjustment (line 23 * line 24)		(570)	NP	(29)
28	Excess/Deficient DIT amortization (line 23 * line 25)		(4,453,449)	NP	(228,017)
29	Total Income Taxes (sum lines 26 - 28)		\$ 15,028,360		\$ 772,493
30	RETURN [Rate Base (page 2, line 31) * Rate of Return (page 4, line 30)]		\$ 77,202,584	NA	\$ 3,964,823
31	REV. REQUIREMENT (sum lines 8, 12, 20, 29, 30)		\$ 136,595,344		\$ 9,347,159

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing FERC Form 1 Data

For the 12 months ended: 12/31/2020

**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)				\$	94,399,794
2	Less transmission plant excluded from ISO rates (Note M)					0
3	Less transmission plant included in OATT Ancillary Services (Note N)					16,430,924
4	Transmission plant included in ISO Rates (line 1 less lines 2 & 3)				\$	77,968,870
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)			TP=		0.82594
TRANSMISSION EXPENSES						
6	Total transmission expenses (page 3, line 1, column 3)				\$	25,812,503
7	Less transmission expenses included in OATT Ancillary Services (Note L)					554,461
8	Included transmission expenses (line 6 less line 7)				\$	25,258,042
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)					0.97852
10	Percentage of transmission plant included in ISO Rates (line 5)			TP		0.82594
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)			TE=		0.80820
WAGES & SALARY ALLOCATOR (WS)						
		Form 1 Reference	\$	TP	Allocation	
12	Production	354.20.b	13,092,463	0.00	0	
13	Transmission	354.21.b	900,288	0.82594	743,584	
14	Distribution	354.23.b	3,500,886	0.00	0	
15	Other	354.24,25,26.b	2,087,533	0.00	0	
16	Total Electric (sum lines 12-15)		19,581,170		743,584	= WS Allocator (\$ / Allocation) = 0.03797 = WS
COMMON PLANT ALLOCATOR (CE)						
			\$	% Electric	WS Allocator	
17	Electric	200.3.c	1,779,353,280	(line 17 / line 20)	(line 16)	CE
18	Gas	201.3.d	593,363,800	0.74992	0.03797	= 0.02847
19	Water	201.3.e	0			
20	Total (sum lines 17 - 19)		2,372,717,080			
RETURN (R)						
21	Long Term Interest (117, sum of 62.c through 67.c)				\$	25,986,192
22	Preferred Dividends (118.29.c) (positive number)					0
Development of Common Stock:						
23	Proprietary Capital (112.16.c)					718,236,888
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)					718,236,888
	(Note P)		\$	%	Cost	Weighted
27	Long Term Debt (112, sum of 18.c through 21.c)		731,720,000	50%	0.0355	0.0179 =WCLTD
28	Preferred Stock (112.3.c)		0	0%	0.0000	0.0000
29	Common Stock (line 26)		718,236,888	50%	0.1138	0.0564
30	Total (sum lines 27-29)		1,449,956,888			0.0743 =R
REVENUE CREDITS						
					Load	
31	ACCOUNT 447 (SALES FOR RESALE) (Note Q)	(310-311)				0
32	a. Bundled Non-RQ Sales for Resale (311.x.h)					0
33	b. Bundled Sales for Resale included in Divisor on page 1					0
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)				\$	114,984
35	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U)	(330.x.n)			\$	69,581
36	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note W)	(330.x.n)			\$	-

Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2020

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 FASB 106 or 109. Account 254 includes Other Regulated Liabilities 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 25).
- 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: 12/31/2020

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.

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)
Line No.		Attachment H-22A <u>Page, Line, Col.</u>	<u>Transmission</u>	<u>Allocator</u>
	TRANSMISSION PLANT			
1	Gross Transmission Plant - Total	Att. H-22A, p 2, line 2, col 5 (Note A)	77,968,566	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	64,281,454	
	O&M EXPENSE			
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	2,669,090	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	3.42%	3.42%
	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)	154,498	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.20%	0.20%
	TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	501,465	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	0.64%	0.64%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		4.26%
	INCOME TAXES			
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	772,493	
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	3,964,823	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.17%	6.17%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.37%

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		\$ -		4.26%	\$ -	\$ -	7.37%	\$ -	\$ -	\$ -	\$ -	\$ -
1b		\$ -		4.26%	\$ -	\$ -	7.37%	\$ -	\$ -	\$ -	\$ -	\$ -
1c		\$ -		4.26%	\$ -	\$ -	7.37%	\$ -	\$ -	\$ -	\$ -	\$ -
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

Line No.	(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)	77,968,566	
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	64,281,454	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	2,669,090	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	3.42%	3.42%
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)	154,498	
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.20%	0.20%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	501,465	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	0.64%	0.64%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		4.26%
INCOME TAXES				
10	Total Income Taxes	Att. H-22A, p 3, line 29, col 5	772,493	
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	3,964,823	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	6.17%	6.17%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.37%

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	\$ -	4.26%	\$ -	\$ -	7.37%	\$ -	\$ -	\$ -	\$ -	\$ -
1b	Project 2	P2	\$ -	4.26%	\$ -	\$ -	7.37%	\$ -	\$ -	\$ -	\$ -	\$ -
1c	Project 3	P3	\$ -	4.26%	\$ -	\$ -	7.37%	\$ -	\$ -	\$ -	\$ -	\$ -
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 18

For the 12 months ended: 12/31/2020

**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	\$ 100,272,262	\$ 55,843,006
2			
3	Less:		
4	FAS 106	2,489,170	442,510
5	FAS 109 - Gross-up on ITC	(62,142)	971,230
6	Gross-up on Tax Reform EDIT	70,402,132	21,059,305
7	Gross-up on State Tax Reform EDIT	-	412,051
8	Electric Non-Utility & Non-Regulated	934,383	148,855
9	Total Subtracted from Account 190 Balance	\$ 73,763,543	\$ 23,033,951
10			
11	Add:		
12	Base State Tax Reform EDIT	-	166,430
13	Total Added to Account 190 Balance	\$ -	\$ 166,430
14			
15	Adjusted Balances - To Page 2, Line 22	\$ 26,508,719	\$ 32,975,485
16			
17			
18	Account 282	DEO	DEK
19			
20	Per Books Total, Page 275, lines 2 & 6, column k	\$ 567,610,599	\$ 215,094,549
21			
22	Less:		
23	FAS109 - Gross-up	37,192,087	5,420,248
24	Solar Gross Up Federal ITC	-	(12,673)
25	Electric Non-Utility & Non-Regulated	11,235,540	24,757,562
26	Total Subtracted from Account 282 Balance	\$ 48,427,627	\$ 30,165,137
27			
28	Add:		
29	FAS109 - Excludes Gross-up	4,413,285	504,128
30	Base State Tax Reform EDIT	-	1,170,707
31	Total Added to Account 282 Balance	\$ 4,413,285	\$ 1,674,835
32			
33	Adjusted Balances - To Page 2, Line 20	\$ 523,596,257	\$ 186,604,247
34			
35			
36	Account 283	DEO	DEK
37			
38	Per Books Total, Page 277, lines 9 & 18, column k	\$ 48,837,539	\$ 25,373,878
39			
40	Less:		
41	FAS 106	939,097	88,002
42	Solar - Gross-Up Fed Basis Reduction	-	93,678
43	Electric Non-Utility & Non-Regulated	(719,687)	-
44	Total Subtracted from Account 283 Balance	\$ 219,410	\$ 181,680
45			
46	Add:		
47	Base State Tax Reform EDIT	-	238,974
48	Total Added to Account 283 Balance	\$ -	\$ 238,974
49			
50	Adjusted Balances - To Page 2, Line 21	\$ 48,618,129	\$ 25,431,172

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102
Page 2 of 18
For the 12 months ended: 12/31/2020

**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⁾	Adjustments				
1	Duke Energy Ohio							
2								
3	Production	\$ -	\$ -	\$ -	\$ -	0.00%	\$ -	
4	Transmission	1,110,276	17,535,473	(276,843)	18,368,906	32.37%	1,102,032	\$ 19,470,938
5	Distribution	2,367,165	30,157,215	276,843	32,801,223	57.80%	1,967,890	
6	Gas	-	5,575,434	-	5,575,434	9.83%	334,495	
7	Total M&S	<u>\$ 3,477,441</u>	<u>\$ 53,268,122</u>	<u>\$ 0</u>	<u>\$ 56,745,563</u>	<u>100.00%</u>	<u>\$ 3,404,417</u>	
8								
9								
10	Duke Energy Kentucky							
11								
12	Production	\$ 15,615,600	\$ 1,223,041	\$ -	\$ 16,838,641	95.80%	\$ 81,158	
13	Transmission	1,728	3,715	(3,715)	1,728	0.01%	8	\$ 1,736
14	Distribution	180,260	551,763	3,715	735,738	4.19%	3,546	
15	Total M&S	<u>\$ 15,797,588</u>	<u>\$ 1,778,519</u>	<u>\$ -</u>	<u>\$ 17,576,107</u>	<u>100.00%</u>	<u>\$ 84,712</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

Exhibit No. DUK-102

Page 3 of 18

For the 12 months ended: 12/31/2020

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>\$ 1,508,140</u>	<u>\$ 4,498,063</u>	<u>\$ 6,006,203</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

Exhibit No. DUK-102
Page 4 of 18
For the 12 months ended: 12/31/2020

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	\$ 280,734	\$ 47,864
2	Regulatory Commission Expense	Form 1, P.350, col. h	1,622,270	695,519
3	Ohio Consumers' Counsel	Form 1, P.350, col. h	229,081	-
4	PUCO - Division of Forecasting	Form 1, P.350, col. h	108,507	-
5	Request for Rate Increase & Other Misc Exp	Form 1, P.350, col. h	62,883	175,574
6				
7	Electric Power Research Institute	Form 1, P.353, col. f	\$ 174,738	\$ 177,493
8	Less amounts recorded in a transmission account	FERC Account 566	70,240	64,492 (1)
9	Less amounts recorded in a non-formula related account	FERC Account 506	-	21,345
10	Less amounts recorded in a non-formula related account	FERC Account 588	48,874	2,983
11	Less amounts recorded in a non-formula related account	FERC Account 557	1,440	315
12	Total Electric Power Research Institute		<u>\$ 54,184</u>	<u>\$ 88,358</u>
13				
14	Subtotal		\$ 2,357,659	\$ 1,007,315
15				
16	Amount of Safety Related Advertising in Account 930.1		-	-
17				
18	Non-Safety Adv., Reg. Comm. Exp. & EPRI - To Page 3, Line 5		<u>\$ 2,357,659</u>	<u>\$ 1,007,315</u>

(1) To Page 3, line 1c

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

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For the 12 months ended: 12/31/2020

A&G Expense

Line No.	Description	DEO	DEK
1	A&G Expense, Page 323, line 197, column b	\$ 52,322,306	\$ 23,677,182
2	Less: Department of Justice Settlement - 2015	\$ -	\$ 32,308
3	Less: Non-operational transaction costs	508,472	170,470
4	Less: Gas BU Charges in Account 923	1,627	1,377
5	Less: Donations in Account 921	676	130
6	Subtotal	<u>\$ 510,775</u>	<u>\$ 204,285</u>
7	Adjusted A&G Expense - To Page 3, Line 3	<u>\$ 51,811,531</u>	<u>\$ 23,472,897</u>

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

Page 6 of 18

For the 12 months ended: 12/31/2020

State Tax Composite Rate

Line No.	Description	DEO	DEK
1	Revenue Requirement	\$ 168,930,643	\$ 9,347,159
2	Tax Rate	0.00%	5.00%
3	State Taxes	\$ -	\$ 467,358
4	Composite Tax Rate	0.00%	5.00%

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

Page 7 of 18

For the 12 months ended: 12/31/2020

Determination of Transmission Plant Included in OATT Ancillary Services

<u>Line No.</u>	<u>Description</u>	<u>DEO</u>	<u>DEK</u>
1	Total Generation Step-up Transformers	\$ -	\$ 16,430,924
2	Distribution Use	-	-
3	Transmission Plant Included in OATT Ancillary Services - To Page 4, Line 3	<u>\$ -</u>	<u>\$ 16,430,924</u>

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102
Page 8 of 18
For the 12 months ended: 12/31/2020

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	\$ 13,453,545	\$ 1,329,087
2			
3	Less: Other Electric Revenue in Line 1 Total above	10,207,493	897,153
4			
5	Total Revenue Available for Credit Calculation	\$ 3,246,052	\$ 431,934
6			
7	Tower Lease Revenues in Line 1 Total above	\$ 97,369	\$ 12,742
8			
9	Backup Delivery Service - Transmission	\$ -	\$ 79,044
10			
11	Rent from Electric Property in Line 1 Total above	\$ 3,148,683	\$ 340,148
12	Portion Attributable to Transmission (Exhibit No. DUK-102, Page 15)	5.87%	6.82%
13	Rent from Electric Property Attributable to Transmission	\$ 184,828	\$ 23,198
14			
15	Total Account 454 - To Page 4, Line 34	\$ 282,197	\$ 114,984
16			
17			
18			
19			
		Account 456.1	
		DEO	DEK
20	Total Account 456.1 Per Books Total, Page 300, line 22, column b	\$ 30,133,587	\$ 1,187,925
21			
22	Less: Transmission Revenues - Load in Divisor		
23	Sch 4 - Day-Ahead Load Response Charge Allocation	\$ (6,162)	\$ -
24	Sch 4 - Real-Time Load Response Charge Allocation	(2,412)	-
25	Sch 8 - Non-Firm PTP	88,401	15,852
26	Sch 9 - NITS	26,699,700	-
27	Sch 26 - MTEP Project Cost Recovery - To Page 4, Line 36	1,406,967	-
28	PJM Customer Payment Default	(83,895)	-
29	Facilities Charges	175,993	53,887
30	Other Transmission Revenues - FTR's	-	1,048,605
31	Miscellaneous	41	-
32	Total Transmission Revenues - Load in Divisor	\$ 28,278,633	\$ 1,118,344
33			
34	Total Account 456.1 - To Page 4, Line 35	\$ 1,854,954	\$ 69,581

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

Page 9 of 18

For the 12 months ended: 12/31/2020

Duke Energy Ohio Consolidated
Capital Structure
December 31, 2020
(In Dollars)

<u>Line No.</u>	<u>Description</u>	<u>Parent DE Ohio Holding Co.</u>
1	Total Proprietary Capital, page 112, line 16, column c	\$ 3,945,835,987
2	Less: Goodwill, page 233, line 1, column f	\$ 746,918,647
3	Total Common Stock Equity	<u>\$ 3,198,917,340</u>

Duke Energy Ohio and Duke Energy Kentucky

Exhibit No. DUK-102

Page 10 of 18

For the 12 months ended: 12/31/2020

2020 DEOK MONTHLY TRANSMISSION SYSTEM PEAKS (KILOWATTS)

Line No.	Month	Monthly Peak ⁽¹⁾
1	Jan	4,015,000
2	Feb	4,019,000
3	Mar	3,383,000
4	Apr	3,001,000
5	May	4,164,000
6	Jun	4,633,000
7	Jul	4,959,000
8	Aug	4,943,000
9	Sep	4,679,000
10	Oct	3,133,000
11	Nov	3,583,000
12	Dec	<u>3,705,000</u>
13	Total	48,217,000
14	Average	<u>4,018,083</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
2020 OATT Annual Update
Worksheet for Derivation of PBOP Expense
Included in 2020 FERC Form 1 Data

Exhibit No. DUK-102
Page 11 of 18
For the 12 months ended: 12/31/2020

Actual PBOP Expense Components and Calculation Derivation (per Note E)						
Line	FERC Account	Description and Calculation Derivation				Source (Document, Page)
			DEO / Duke Energy Ohio (503)	Duke Energy Business Services (110)	Total DEO	
1	926					
2		Duke Energy - All Legacy Postretirement Welfare Plans				
3		Net Periodic Benefit Cost - Service Cost	\$ 266,360	\$ 1,308,691		Actuarial Valuation Report December 31, 2020 Disclosure and Fiscal 2021 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	(296,562)	1,289,461		Duke Energy Corporation Post Employment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Year Ending December 31, 2020 Page 2
6		Accrual for Future Disableds	1,705,000	5,115,000		LTD_FAS 112 Summary
7						
8		Total Service Cost and Long-Term Disability Expense	\$ 1,674,798	\$ 7,713,152		
9						
10		O&M Percentage	47.38%	100.00%		Actual O&M % of Total Payroll for YE 2020
11		Electric Only Percentage	73.40%			DEO 2020 Allocation Stat Percentages Table
12		Percent DEBS Allocation to DEO (Electric only)		9.96%		Service Company Labor Allocation to DEO for 2020
13		Adjustment to Transfer Expense to/from Duke Affiliates			\$ (171,722)	
14						
15		PBOP Expense O&M for DEO (Line 8 * Line 10 * (Line 11 or Line 12))	\$ 582,443	\$ 768,230	\$ 1,350,673	
16						
17		Total DEO Direct and Allocated PBOP Expense (Benefit cost pool)			\$ 1,178,951	
18						
19		Duke Energy - All Legacy Postretirement Welfare Plans				
20		Net Periodic Benefit Cost - Non-Service Cost	\$ 167,698	\$ (1,609,622)		Actuarial Valuation Report December 31, 2020 Disclosure and Fiscal 2021 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11
21		Purchase Accounting Amortization	1,250,961			Year End 2015 Footnote Disclosures - Prepurchase Accounting
22		Total Non-Service Cost and Purchase Accounting Amortization	\$ 1,418,659	\$ (1,609,622)		
23						
24		Electric Only Percentage	73.40%			DEO 2020 Allocation Stat Percentages Table
25		Percent DEBS Allocation to DEO (Electric only)		3.46%		Service Company Labor Allocation to DEO for 2020
26						
27		PBOP Expense O&M for DEO - Non-Service Cost Including Purchase Accounting Amortization (Line 22 * (Line 24 or Line 25))	\$ 1,041,296	\$ (55,693)	\$ 985,603	
28						
29						
30		Total DEO PBOP Expense - FERC Account 926 (To page 3 of 6, Line 3a)			\$ 2,164,554	

**Duke Energy Kentucky
2020 OATT Annual Update
Worksheet for Derivation of PBOP Expense
Included in 2020 FERC Form 1 Data**

Exhibit No. DUK-102
Page 12 of 18
For the 12 months ended: 12/31/2020

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	\$ 132,874	\$ 1,308,691		Actuarial Valuation Report December 31, 2020 Disclosure and Fiscal 2021 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	552,139	1,289,461		Duke Energy Corporation Post Employment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Year Ending December 31, 2020 LTD_FAS 112 Summary Page 2/3
6		Accrual for Future Disableds	465,000	5,115,000		
7						
8		Total Service Cost and Long-Term Disability Expense	\$ 1,150,013	\$ 7,713,152		
9						
10		O&M Percentage	68.05%	100.00%		Actual O&M % of Total Payroll for YE 2020
11		Electric Only Percentage	73.44%			DEK 2020 Allocation Stat Percentages Table
12		Percent DEBS Allocation to DEK (Electric only)		3.17%		Service Company Labor Allocation to DEK for 2020
13		Adjustment to Transfer Expense to/from Duke Affiliates			\$ 1,401	
14						
15		PBOP Expense O&M for DEK (Line 8 * Line 10 * (Line 11 or Line 12))	\$ 574,730	\$ 244,507	\$ 819,237	
16						
17		Total DEK Direct and Allocated PBOP Expense (Benefit cost pool)			\$ 820,638	
18						
19		Duke Energy - All Legacy Postretirement Welfare Plans				
20		Net Periodic Benefit Cost - Non-Service Cost	\$ (116,753)	\$ (1,609,622)		Actuarial Valuation Report December 31, 2020 Disclosure and Fiscal 2021 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11
21		Purchase Accounting Amortization	208,600			Year End 2015 Footnote Disclosures - Prepurchase Accounting
22		Total Non-Service Cost and Purchase Accounting Amortization	\$ 91,847	\$ (1,609,622)		
23						
24		Electric Only Percentage	73.44%			DEK 2020 Allocation Stat Percentages Table
25		Percent DEBS Allocation to DEK (Electric only)		1.16%		Service Company Labor Allocation to DEK for 2020
26						
27		PBOP Expense O&M for DEK - Non-Service Cost Including Purchase Accounting Amortization (Line 22 * (Line 24 or Line 25))	\$ 67,452	\$ (18,672)	\$ 48,780	
28						
29						
30		Total DEK PBOP Expense - FERC Account 926 (To page 3 of 6, Line 3a)			\$ 869,418	

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For the 12 months ended: 12/31/2020

Schedule 1A - Annual MWh

Line No.	Transaction Type	Seller	MWh
1	Default Supplier Load	AEPDO2	(77,408)
2		EPPDPR	(267,875)
3		NEEDEO	(296,493)
4		CEDDPR	(1,561,895)
5		DTTDEO	(458,342)
6		DEDPR	(419,041)
7		HARDOL	(295,240)
8		ETDUKE	(128,541)
9		FRDKOH	(85,694)
10		PLRRDK	(41,166)
11		PLRCDK	(58,808)
12	Total Default Supplier Load		<u>(3,690,503)</u>
13			
14	De-rated Losses		(265,126)
15			
16	Retail Load Responsibility		<u>(16,303,633)</u>
17			
18	Wholesale Load Responsibility	AMPGEO	(578,757)
19		AMPHAM	(64,313)
20		AMPLEB	(386,597)
21		AMPWTN	(6,031)
22		BUCK	(26,952)
23		DEK	(17,536)
24		EKPC	(48,590)
25		EPVOBO	(251,356)
26		EPVOHO	(41,407)
27		EPVORO	(3,914,485)
28		IMPA	(134,118)
29	Total Wholesale Load Responsibility		<u>(5,470,140)</u>
30			
31	Grand Total (to Appendix A, line 4)		<u><u>(25,729,403)</u></u>

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

Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2020

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 2019	January 2020	\$ (351,060.24)	\$ (10,528.88)	\$ (361,589.12)	\$ (361,589.12)	0.00	0.00
2	January 2020	February	(356,052.48)	(10,111.62)	(366,164.10)	(366,164.10)	0.00	0.00
3	February	March	(338,951.48)	(9,293.58)	(348,245.06)	(348,245.06)	0.00	0.00
4	March	April	(313,607.83)	(12,304.24)	(325,912.07)	(325,912.07)	0.00	0.00
5	April	May	(271,751.11)	(12,534.11)	(284,285.22)	(284,285.22)	0.00	0.00
6	May	June	(296,269.89)	(13,662.81)	(309,932.70)	(309,932.70)	0.00	0.00
7	June	July	(412,490.85)	(15,919.93)	(428,410.78)	(428,410.81)	(0.03)	(0.03)
8	July	August	(496,512.96)	(15,939.90)	(512,452.86)	(512,436.38)	16.48	16.45
9	August	September	(451,147.60)	(15,823.46)	(466,971.06)	(466,991.10)	(20.04)	(3.59)
10	September	October	(381,532.94)	(14,740.65)	(396,273.59)	(396,273.59)	0.00	(3.59)
11	October	November	(343,602.77)	(13,453.87)	(357,056.64)	(357,053.05)	3.59	0.00
12	November	December	\$ (345,449.06)	\$ (14,326.28)	\$ (359,775.34)	\$ (359,775.70)	(0.36)	(0.36)
13								
14	Attachment H-22A, Appendix A - Line 2			\$ (158,639.33)				

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

Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2020

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

Line No.	Counts	DEO		DEK	
		Transmission	Distribution	Transmission	Distribution
1	Poles	25,195	404,571	5,531	75,539
2	Towers	6	5	-	-
3	Structures	53	79	-	3
4	Total	25,254	404,655	5,531	75,542
5					
6	Portion Attributable to Transmission	5.87% ⁽¹⁾	94.13%	6.82% ⁽¹⁾	93.18%

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

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For the 12 months ended: 12/31/2020

Corrections to May 2020 Annual Update Filing

Line No.	DEOK Issue Reference	Description		Revenue Impact of Correction	Revenue Requirement
1		May 15, 2020 Filing			\$ 159,235,526
2					
3	BPI- 1-3, BPI 1-18	Allocate an additional \$72,264 in DEK Account 454 to transmission customers			
4			Revenue Credit	\$ (53,968)	
5			Income Tax	-	
6				\$ (53,968)	\$ (53,968)
7					
8	AMP- DEOK-01, AMP- DEOK-54	Remove EPRI Dues from Account 588 to Account 566 for \$132,562			
9			Change in O&M	\$ (118,790)	
10			Return	(1,247)	
11			Income Tax	(240)	
12				\$ (120,277)	\$ (120,277)
13					
14	AMP-02- DEOK-22	Reclassify \$429,646 of M&S assigned to construction from Transmission to Distribution			
15			Change in O&M	\$ -	
16			Return	(34,099)	
17			Income Tax	(6,583)	
18				\$ (40,682)	\$ (40,682)
19					
20	AMP-02- DEOK-17	Remove \$3,395 of expenses in DEK Account 923 incorrectly charged to an electric business unit.			
21			Change in O&M	\$ (122)	
22			Return	(1)	
23			Income Tax	-	
24				\$ (123)	\$ (123)
25					
26	Response to FERC Deficiency Letter	Add 2018 amortization of DEK excess/deficient deferred income taxes (protected and unprotected) that were inadvertently excluded from the May 15, 2020 Annual Update Letter			
27			Income Tax	\$ (103,649)	
28				\$ (103,649)	\$ (103,649)
29					
30		Revised Revenue Requirement - May 15, 2020 Filing			\$ 158,916,827
31					
32		Change to the May 15, 2020 Attachment H Filing			\$ 318,699
33					
34		FERC Refund Rate			4.75%
35					
36		Number of Periods			1.5
37					
38		Interest - ((Amount * (1+Rate)^Periods) - Amount)			\$ 23,392
39					
40		Total Refunds Due to Customers - To Attachment H, page 1 of 1	Line 32 + Line 38		\$ 342,091

Duke Energy Ohio and Duke Energy Kentucky

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 For the 12 months ended: 12/31/2020

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	\$ 11,135,087	\$ 2,203,478
2				
3	561.8	Reliability, Planning and Standards Development Services, Page 321, line 92, col b	<u>12,801,005</u>	<u>2,014,234</u>
4				
5		Total LSE Expenses Included in Transmission O&M	\$ 23,936,093	\$ 4,217,712
6				
7		TE Allocator	<u>90.153%</u>	<u>80.820%</u>
8				
9		LSE Expense Allocated to Transmission To Page 3, Line 1a	<u>\$ 21,579,106</u>	<u>\$ 3,408,755</u>

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For the 12 months ended: 12/31/2020

Transmission O&M Expense

<u>Line No.</u>	<u>Description</u>	<u>DEO</u>	<u>DEK</u>
1	Transmission O&M Expense, Page 321, line 112, column b	\$ 41,100,978	\$ 25,812,503
2	Plus: The Cincinnati, New Orleans and Texas Pacific Railway Company natural gas pipeline permit journal entry reversal	<u>(35,850)</u>	<u>-</u>
3	Adjusted Transmission O&M Expense - To Page 3, Line 1	<u>\$ 41,136,828</u>	<u>\$ 25,812,503</u>