

For the 12 months ended:		12/31/2018		# of Work Papers	
Rates effective:		6/1/2019		17	
		Per 2018 FERC Form 1			
DESCRIPTION	Form No. 1 Page, Line, Col.	DEO	DEK	DEOK	
GROSS PLANT IN SERVICE					
Production	205.46.g	\$ -	\$ 1,195,710,449	\$ 1,195,710,449	
Transmission	207.58.g	939,500,769	58,283,428	997,784,197	
Distribution	207.75.g	2,692,790,384	484,361,125	3,177,151,509	
General & Intangible	205.5.g & 207.99.g	315,875,186	30,788,868	346,664,054	
Common	356 (Total Common x Elec Dept %)	238,460,495	36,195,234	274,655,729	
TOTAL GROSS PLANT		\$ 4,186,626,834	\$ 1,805,339,104	\$ 5,991,965,938	
ACCUMULATED DEPRECIATION					
Production	219.20.c-219.24.c	\$ -	\$ 596,756,722	\$ 596,756,722	
Transmission	219.25.c	217,295,556	19,575,675	236,871,231	
Distribution	219.26.c	743,958,083	152,298,366	896,256,449	
General & Intangible	200.21.c & 219.28.c	130,416,000	14,831,936	145,247,936	
Common	356	91,048,508	27,327,944	118,376,452	
TOTAL ACCUM. DEPRECIATION		\$ 1,182,718,147	\$ 810,790,643	\$ 1,993,508,790	
NET PLANT IN SERVICE					
Production	Calculated	\$ -	\$ 598,953,727	\$ 598,953,727	
Transmission	Calculated	722,205,213	38,707,753	760,912,966	
Distribution	Calculated	1,948,832,301	332,062,759	2,280,895,060	
General & Intangible	Calculated	185,459,186	15,956,932	201,416,118	
Common	Calculated	147,411,987	8,867,290	156,279,277	
TOTAL NET PLANT		\$ 3,003,908,687	\$ 994,548,461	\$ 3,998,457,148	
ADJUSTMENTS TO RATE BASE					
Account No. 281 (enter negative)	273.8.k	\$ -	\$ -	\$ -	
Account No. 282 (enter negative)	Exhibit No. DUK-102, Pg. 1	(751,483,578)	(264,193,027)	(1,015,676,605)	
Account No. 283 (enter negative)	Exhibit No. DUK-102, Pg. 1	(48,166,249)	(33,285,128)	(81,451,377)	
Account No. 190	Exhibit No. DUK-102, Pg. 1	55,713,760	38,485,857	94,199,617	
Account No. 255 (enter negative)	267.8.h	0	0	0	
TOTAL ADJUSTMENTS		\$ (743,936,067)	\$ (258,992,298)	\$ (1,002,928,365)	
LAND HELD FOR FUTURE USE (Note G)	214.x.d [Exhibit No. DUK-102, Pg. 3]	\$ 324,654	\$ -	\$ 324,654	
WORKING CAPITAL					
CWC	calculated	\$ 7,811,375	\$ 2,502,792	\$ 10,314,167	
Materials & Supplies (Note G)	Exhibit No. DUK-102, Pg. 2	20,259,071	4,000	20,263,071	
Prepayments (Account 165)	111.57.c	58,479	634,866	693,345	
TOTAL WORKING CAPITAL		\$ 28,128,925	\$ 3,141,658	\$ 31,270,583	
RATE BASE		\$ 2,288,426,199	\$ 738,697,821	\$ 3,027,124,020	
O&M					
Transmission	321.112.b	\$ 7,814,620	\$ 12,674,140	\$ 20,488,760	
Less LSE Expenses included in Transmission O&M Accounts (Note V)	321.88.b, 92.b	(9,601,825)	(3,345,731)	(12,947,556)	
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	282,229	260,519	542,748	
Less Account 565	321.96.b	(13,232)	13,909,634	13,896,402	
A&G	Exhibit No. DUK-102, Pg. 5	52,108,218	20,124,695	72,232,913	
PBOP Expense excluding Pension Expense included in line 3 for information only	(Note E)	2,198,592	677,305	2,875,897	
Less PJM Integration Costs included in A&G	(Note Y)	0	0	0	
Less Internal Integration Costs included in A&G	(Note Z)	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	1,970,669	893,319	2,863,988	
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)		\$ 67,284,997	\$ 21,081,094	\$ 88,366,091	
DEPRECIATION EXPENSE					
Transmission	336.7.f	\$ 15,575,285	\$ 1,242,440	\$ 16,817,725	
General & Intangible	336.1.f & 336.10.f	21,149,637	2,852,871	24,002,508	
Common	336.11.f	9,295,958	244,583	9,540,541	
TOTAL DEPRECIATION (Sum lines 9 - 11)		\$ 46,020,880	\$ 4,339,894	\$ 50,360,774	
TAXES OTHER THAN INCOME TAXES					
LABOR RELATED					
Payroll	263.i.	\$ 4,106,171	\$ 1,881,602	\$ 5,987,773	
Highway and vehicle	263.i.	3,863	1,217	5,080	
PLANT RELATED					
Property	263.i.	141,234,636	9,562,575	150,797,211	
Gross Receipts	263.i.	2,702,889	0	2,702,889	
Other	263.i	0	0	0	
Payments in lieu of taxes		0	0	0	
TOTAL OTHER TAXES (sum lines 13 - 19)		\$ 148,047,559	\$ 11,445,394	\$ 159,492,953	

For the 12 months ended: Rates effective:	12/31/2018 6/1/2019	# of Work Papers 17
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Per 2018 FERC Form 1				
DESCRIPTION	Form No. 1 Page, Line, Col.	DEO	DEK	DEOK
INCOME TAXE RATES				
Federal Income Tax (FIT)		21.000000%	21.000000%	
State Income Tax (SIT) or Composite SIT		0.000000%	5.000000%	
(percent of federal income tax deductible for state purposes)		0.000000%	0.000000%	
Effective Income Tax Rate		21.000000%	24.950000%	
Amortized Investment Tax Credit	266.8.f (enter negative)	(233,230)	(11,335)	(244,565)
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	16,503,955	16,503,955
TRANSMISSION EXPENSES				
(561.1) Load Dispatch-Reliability	321.85.b	596,947	93,821	690,768
(561.2) Load Dispatch-Monitor & Operate Transmission System	321.86.b	2,900,708	435,265	3,335,973
(561.3) Load Dispatch-Transmission Service & Scheduling	321.87.b	403,997	59,242	463,239
Less transmission expenses included in OATT Ancillary Services (Note L)	321.85-87.b	3,901,652	588,328	4,489,980
WAGES & SALARY ALLOCATOR (W&S)				
		\$	\$	
Production	354.20.b	2,438,772	13,293,182	15,731,954
Transmission	354.21.b	6,961,691	968,723	7,930,414
Distribution	354.23.b	23,857,199	3,967,747	27,824,946
Other	354.24,25,26.b	10,783,480	2,586,535	13,370,015
Total (sum lines 12-15)		44,041,142	20,816,187	64,857,329
COMMON PLANT ALLOCATOR (CE) (Note O)				
		\$	\$	
Electric	200.3.c	3,153,189,130	1,434,470,606	4,587,659,736
Gas	201.3.d	1,553,882,234	367,448,615	1,921,330,849
Water	201.3.e	0	0	0
Total (sum lines 17 - 19)		4,707,071,364	1,801,919,221	6,508,990,585
RETURN (R)				
Interest on Long-Term Debt (427)	117.62.c	81,274,665	18,328,365	99,603,030
Amort. Of Debt Disc. And Expense (428)	117.63.c	3,084,894	329,160	3,414,054
Amort. Of Loss on Reacquired Debt (428.1)	117.64.c	445,504	266,474	711,978
(Less) Amort. Of Premium on Debt-Credit (429)	117.65.c	(473,735)	-	(473,735)
(Less) Amort. Of Gain on Reacquired Debt-Credit (429.1)	117.66c	-	-	0
Interest on Debt to Assoc. Companies (429.1)	117.67.c	2,055,484	1,688,923	3,744,407
Long Term Interest (117, sum of 62.c through 67.c)		86,386,812	20,612,922	106,999,734
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	2,708,505,516	596,223,648	3,304,729,164
(Less) Preferred Stock (112.3.c)		0	0	0
(Less) Account 216.1 (112.12.c) (enter negative)		(581,684,069)	0	(581,684,069)
Common Stock		2,126,821,447	596,223,648	2,723,045,095
	(Note P)	\$	\$	
Bonds (221)	112.18.c	1,100,000,000	0	1,100,000,000
(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 Lon-Term Debt (224)	112.21.c	550,000,000	526,720,000	1,076,720,000
Long Term Debt (112, sum of 18.c through 21.c)		1,650,000,000	551,720,000	2,201,720,000
Preferred Stock (112.3.c)		0	0	0
Common Stock (line 26)		2,126,821,447	596,223,648	2,723,045,095
Total (sum lines 27-29)		3,776,821,447	1,147,943,648	4,924,765,095
REVENUE CREDITS				
a. Bundled Non-RQ Sales for Resale (311.x.h)		0	0	0
b. Bundled Sales for Resale included in Divisor on page 1		0	0	0
Total of (a)-(b)				
ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY) (Note R)	Exhibit No. DUK-102, Pg. 8	\$ 175,445	\$ 14,039	\$ 189,484
ACCOUNT 456.1 (OTHER ELECTRIC REVENUES) (Note U)	Exhibit No. DUK-102, Pg. 8	\$ 663,115	\$ 29,155	\$ 692,270
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	\$ 129,928,986	\$ 5,226,581	\$ 135,155,567

For the 12 months ended:  
Rates effective:

12/31/2018  
6/1/2019

# of Work Papers  
17

Per 2018 FERC Form 1

DESCRIPTION	Form No. 1 Page, Line, Col.	DEO	DEK	DEOK
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FERC Refund Rate		4.96%		
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Revenue Credits for Schedule 1A (MSRS: Sch 1A Credit Summary)	Exhibit No. DUK-102, Pg. 14			110,618
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Formula Rate - Non-Levelized

For the 12 months ended: 12/31/2018

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			\$ 137,826,487
	REVENUE CREDITS				
2	Account No. 454	DEO + DEK			\$ 185,509
3	Account No. 456.1	DEO + DEK			684,014
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			1,801,397
	Corrections Related to Prior Year Filings (Note Z)				839,036
6	TOTAL REVENUE CREDITS (sum lines 2-5)				\$ 3,509,956
7	NET REVENUE REQUIREMENT	(line 1 minus line 6)			\$ 134,316,531
	DIVISOR				
8	1 CP	DEO + DEK			5,198,000
9	12 CP	DEO + DEK			4,486,917
10	Reserved				
11	Reserved				
12	Reserved				
13	Reserved				
14	Reserved				
15	Annual Cost (\$/kW/Yr) - 1 CP	(line 7 / line 8)	\$25.840		
16	Annual Cost (\$/kW/Yr) - 12 CP	(line 7 / line 9)	\$29.935		
17	Network Rate (\$/kW/Mo)	(line 15 / 12)	\$2.153		
17a	Point-To-Point Rate (\$/kW/Mo)	(line 16 / 12)	\$2.495		
			Peak Rate		Off-Peak Rate
18	Point-To-Point Rate (\$/kW/Wk)	(line 16 / 52; line 16 / 52)	\$0.576		
19	Point-To-Point Rate (\$/kW/Day)	(line 16 / 260; line 16 / 365)	\$0.115 Capped at weekly rate		\$0.082
20	Point-To-Point Rate (\$/MWh)	(line 16 / 4,160; line 16 / 8,760 * 1,000)	\$0.007 Capped at weekly and daily rate		\$3.417

Received 20 July 2004

**Abstract** **Keywords:** *adolescents, delinquency, family, intervention, parents, self-esteem, social skills, treatment, violence*

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Page 2 of 6

Article 19(1) ECHR.

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For the 12 months ended: 12/31/2018

DUKE ENERGY OHIO AND DUKE ENERGY KENTUCKY (DEOK)  
Transmission Formula Rate Revenue Requirement  
Utilizing FERC Form 1 Data  
For Rates Effective June 1, 2019

**Schedule 1A Rate Calculation**

Line No.		Source	Revenue Requirement
A. <u>Schedule 1A Annual Revenue Requirements</u>			
1	Total Load Dispatch & Scheduling (Account 561)	Attachment H-22A, Page 4, Line 7	\$ 4,489,980
2	Revenue Credits for Schedule 1A - Note A		\$ 110,618
3	Net Schedule 1A Revenue Requirement for Zone		\$ 4,379,362
B. <u>Schedule 1A Rate Calculations</u>			
4	2018 Annual MWh - Note B	Company Records	27,859,038 MWh
5	Schedule 1A rate \$/MWh	(Line 3 / Line 4)	\$0.1572 \$/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			\$ -		\$ -			\$ -	\$ -	\$ -	\$ -	\$ -

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)  
RTEP - Transmission Enhancement Charges

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

(1)	(2)	(3)	(4)
Line No.	Attachment H-22A Page Line Col.	Transmission	Allocator
TRANSMISSION PLANT			
1 Gross Transmission Plant - Total	Att. H-22A, p 2, line 2, col 5 (Note A)	939,500,769	
2 Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	722,205,213	
O&M EXPENSE			
3 Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	16,511,313	
4 Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	1.76%	1.76%
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)	4,327,472	
6 Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.46%	0.46%
TAXES OTHER THAN INCOME TAXES			
7 Total Other Taxes	Att. H-22A, p 3, line 20, col 5	34,879,299	
8 Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	3.71%	3.71%
9 Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		5.93%
INCOME TAXES			
10 Total Income Taxes	Att. H-22A, p 3, line 27, col 5	9,972,486	
11 Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	1.38%	1.38%
RETURN			
12 Return on Rate Base	Att. H-22A, p 3, line 28, col 5	51,303,088	
13 Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	7.10%	7.10%
14 Annual Allocation Factor for Return	Sum of lines 11 and 13		8.48%

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			\$ -	5.93%	\$ -	\$ -	8.48%	\$ -	\$ -	\$ -	\$ -	\$ -
1b			\$ -	5.93%	\$ -	\$ -	8.48%	\$ -	\$ -	\$ -	\$ -	\$ -
1c			\$ -	5.93%	\$ -	\$ -	8.48%	\$ -	\$ -	\$ -	\$ -	\$ -
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 KENTUCKY (DEK)  
RTEP - Transmission Enhancement Charges  
To be completed in conjunction with Attachment H-22A.

(1)	(2)	(3)	(4)
Line No.	Attachment H-22A Page, Line, Col.	Transmission	Allocator
TRANSMISSION PLANT			
1	Gross Transmission Plant - Total	Att. H-22A, p 2, line 2, col 5 (Note A)	41,779,310
2	Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	27,746,879
O&M EXPENSE			
3	Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	1,905,933
4	Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	4.56%
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)	101,668
6	Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.24%
TAXES OTHER THAN INCOME TAXES			
7	Total Other Taxes	Att. H-22A, p 3, line 20, col 5	294,608
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	0.71%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8	5.51%
INCOME TAXES			
10	Total Income Taxes	Att. H-22A, p 3, line 27, col 5	418,958
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	1.51%
RETURN			
12	Return on Rate Base	Att. H-22A, p 3, line 28, col 5	1,645,759
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	5.93%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13	7.44%

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		\$ -	-	5.51%	\$ -	\$ -	7.44%	\$ -	\$ -	\$ -	\$ -	\$ -
1b		\$ -	-	5.51%	\$ -	\$ -	7.44%	\$ -	\$ -	\$ -	\$ -	\$ -
1c		\$ -	-	5.51%	\$ -	\$ -	7.44%	\$ -	\$ -	\$ -	\$ -	\$ -
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 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	\$ 17,551,249		\$ 1,040,789	\$ 15,437,247		\$ 1,309,079	\$ 315,925	\$ 2,665,793	\$ -	\$ 2,665,793
1b	Project 2	P3	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
1c	Project 3	P3	\$ -		\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$2,665,793	\$0	\$2,665,793
3	MTEP Transmission Enhancement Charges											\$2,665,793

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.

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

(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)	939,500,769	
2 Net Transmission Plant - Total	Att. H-22A, p 2, line 14, col 5 (Note B)	722,205,213	
O&M EXPENSE			
3 Total O&M Allocated to Transmission	Att. H-22A, p 3, line 8, col 5	16,511,313	
4 Annual Allocation Factor for O&M	(line 3 divided by line 1, col 3)	1.76%	1.76%
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)	4,327,472	
6 Annual Allocation Factor for G&C Depreciation and Amortization Expense	(line 5 divided by line 1, col 3)	0.46%	0.46%
TAXES OTHER THAN INCOME TAXES			
7 Total Other Taxes	Att. H-22A, p 3, line 20, col 5	34,879,299	
8 Annual Allocation Factor for Other Taxes	(line 7 divided by line 1, col 3)	3.71%	3.71%
9 Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		5.93%
INCOME TAXES			
10 Total Income Taxes	Att. H-22A, p 3, line 27, col 5	9,972,486	
11 Annual Allocation Factor for Income Taxes	(line 10 divided by line 2, col 3)	1.38%	1.38%
RETURN			
12 Return on Rate Base	Att. H-22A, p 3, line 28, col 5	51,303,088	
13 Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2, col 3)	7.10%	7.10%
14 Annual Allocation Factor for Return	Sum of lines 11 and 13		8.48%

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	\$ 17,551,249	5.93%	\$ 1,040,789	\$ 15,437,247	8.48%	\$ 1,309,079	\$ 315,925	\$ 2,665,793	\$ -	\$ 2,665,793
1b	Project 2	P2	\$ -	5.93%	\$ -	\$ -	8.48%	\$ -	\$ -	\$ -	\$ -	\$ -
1c	Project 3	P3	\$ -	5.93%	\$ -	\$ -	8.48%	\$ -	\$ -	\$ -	\$ -	\$ -
2	Annual Totals									\$2,665,793	\$0	\$2,665,793
3	MTEP Transmission Enhancement Charges											\$2,665,793

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.

Rate Formula Template  
Utilizing Attachment H-22A Data

DUKE ENERGY KENTUCKY (DEK)  
MTEP - Transmission Enhancement Charges

To be completed in conjunction with Attachment H-22A

(1)	(2)	(3)	(4)
Line No.	Attachment H-22A Page, Line, Col.	Transmission	Allocator
TRANSMISSION PLANT			
1	Att. H-22A, p 2, line 2, col 5 (Note A)	41,779,310	
2	Att. H-22A, p 2, line 14, col 5 (Note B)	27,746,879	
O&M EXPENSE			
3	Att. H-22A, p 3, line 8, col 5	1,905,933	
4	(line 3 divided by line 1, col 3)	4.56%	4.56%
GENERAL AND COMMON (G&C) DEPRECIATION AND AMORTIZATION EXPENSE			
5	Att. H-22A, p 3, lines 10 & 11, col 5 (Note H)	101,668	
6	(line 5 divided by line 1, col 3)	0.24%	0.24%
TAXES OTHER THAN INCOME TAXES			
7	Att. H-22A, p 3, line 20, col 5	294,608	
8	(line 7 divided by line 1, col 3)	0.71%	0.71%
9	Sum of lines 4, 6 and 8		5.51%
INCOME TAXES			
10	Att. H-22A, p 3, line 27, col 5	418,958	
11	(line 10 divided by line 2, col 3)	1.51%	1.51%
RETURN			
12	Att. H-22A, p 3, line 28, col 5	1,645,759	
13	(line 12 divided by line 2, col 3)	5.93%	5.93%
14	Sum of lines 11 and 13		7.44%

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	\$ -	5.51%	\$ -	\$ -	7.44%	\$ -	\$ -	\$ -	\$ -	\$ -	
1b	Project 2	P2	\$ -	5.51%	\$ -	\$ -	7.44%	\$ -	\$ -	\$ -	\$ -	\$ -	
1c	Project 3	P3	\$ -	5.51%	\$ -	\$ -	7.44%	\$ -	\$ -	\$ -	\$ -	\$ -	

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) %
<b>Wholly Owned Transmission Plant</b>			
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
<b>Commonly Owned Transmission Plant - CCD Projects</b>			
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
<b>Commonly Owned Transmission Plant - CD Projects</b>			
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) %
<b>General and Intangible Plant</b>			
303	3030	Miscellaneous Intangible Plant	20.00
389	3890	Land and Land Rights	N/A
390	3900	Structures and Improvements	2.90
391	3910	Office Furniture and Equipment	5.00
391	3911	Electronic Data Processing Equipment	20.00
392	3920	Transportation Equipment	7.50
392	3921	Trailers	4.05
394	3940	Tools, Shop & Garage Equipment	4.00
395	3950	Laboratory Equipment	6.67
396	3960	Power Operated Equipment	4.45
397	3970	Communication Equipment	6.67
398	3980	Miscellaneous Equipment	5.00

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

<b>FERC Account Number (A)</b>	<b>Company Account Number (B)</b>	<b>Description (C)</b>	<b>Actual Accrual Rates (D) %</b>
<b>Transmission Plant</b>			
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
<b>General and Intangible Plant</b>			
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
<b>Common Plant</b>			
	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

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102

Page 1 of 17

For the 12 months ended: 12/31/2018

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

Line No.	<b>Account 190</b>	<b>DEO</b>	<b>DEK</b>
1	Per Books Total, Page 234, lines 8 & 17, column c	\$ 117,964,592	\$ 55,886,925
2			
3	<b>Less:</b>		
4	FAS 106	2,482,658	318,967
5	FAS 109	12,226	899,047
6	FAS 109 - Tax Reform	77,147,482	23,486,709
7	FAS 109 - State Tax Reform	-	441,426
8	Gas Non-Utility & Non-Regulated	1,416,134	-
9	Total Subtracted from Account 190 Balance	81,058,500	25,146,149
10			
11	<b>Add:</b>		
12	Base Tax Reform EDIT	18,807,668	7,566,786
13	Base State Tax Reform EDIT	-	178,295
14	Total Added to Account 190 Balance	18,807,668	7,745,081
15			
16	Adjusted Balances - To Page 2, Line 22	\$ 55,713,760	\$ 38,485,857
17			
18			
19	<b>Account 282</b>	<b>DEO</b>	<b>DEK</b>
20			
21	Per Books Total, Page 275, lines 2 & 6, column k	\$ 498,017,733	\$ 198,573,426
22			
23	<b>Less:</b>		
24	FAS 109	26,895,779	5,142,691
25	Solar Federal ITC	-	(12,673)
26	Gas Non-Utility & Non-Regulated	5,861,925	-
27	Total Subtracted from Account 282 Balance	32,757,704	5,130,018
28			
29	<b>Add:</b>		
30	Base Tax Reform EDIT	286,223,549	69,497,738
31	Base State Tax Reform EDIT	-	1,251,881
32	Total Added to Account 282 Balance	286,223,549	70,749,619
33			
34	Adjusted Balances - To Page 2, Line 20	\$ 751,483,578	\$ 264,193,027
35			
36			
37	<b>Account 283</b>	<b>DEO</b>	<b>DEK</b>
38			
39	Per Books Total, Page 277, lines 9 & 18, column k	\$ 34,403,895	\$ 24,318,670
40			
41	<b>Less:</b>		
42	FAS 106	1,499,983	-
43	Solar Federal Basis Reduction	-	100,976
44	Gas Non-Utility & Non-Regulated	-	-
45	Total Subtracted from Account 283 Balance	1,499,983	100,976
46			
47	<b>Add:</b>		
48	Base Tax Reform EDIT	15,262,337	8,811,424
49	Base State Tax Reform EDIT	-	256,010
50	Total Added to Account 283 Balance	15,262,337	9,067,434
51			
52	Adjusted Balances - To Page 2, Line 21	\$ 48,166,249	\$ 33,285,128



**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102  
Page 2 of 17  
For the 12 months ended: 12/31/2018

**Materials and Supplies  
Allocation of Account 163**

Line No.	Description	M&S Assigned to		Total M&S	Percentage	Account 163 <sup>(4)</sup>	Total M&S <sup>(1)</sup>
		M&S <sup>(2)</sup>	Construction <sup>(3)</sup>				
1	<b>Duke Energy Ohio</b>						
2							
3	Production	\$ -	\$ -	\$ -	0.00%	\$ -	
4	Transmission	1,439,135	17,923,039	19,362,174	31.30%	896,897	\$ 20,259,071
5	Distribution	2,995,287	32,713,420	35,708,707	57.72%	1,654,103	
6	Gas	-	6,796,437	6,796,437	10.99%	314,825	
7	Total M&S	<u>\$ 4,434,422</u>	<u>\$ 57,432,896</u>	<u>\$ 61,867,318</u>	<u>100.00%</u>	<u>\$ 2,865,826</u>	
8							
9							
10	<b>Duke Energy Kentucky</b>						
11							
12	Production	\$ 14,581,664	\$ 2,334,068	\$ 16,915,732	96.68%	\$ 2,019,600	
13	Transmission	898	2,675	3,573	0.02%	427	\$ 4,000
14	Distribution	79,082	498,430	577,512	3.30%	68,950	
15	Total M&S	<u>\$ 14,661,644</u>	<u>\$ 2,835,173</u>	<u>\$ 17,496,817</u>	<u>100.00%</u>	<u>\$ 2,088,977</u>	

<sup>(1)</sup> To Page 2, Line 27

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

<sup>(3)</sup> Source FERC Form 1, page 227, line 5, column (c)

<sup>(4)</sup> Source FERC Form 1, page 227, line 16, column (c)

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102

Page 3 of 17

For the 12 months ended: 12/31/2018

**Detail of Land Held for Future Use**

<b>Line No.</b>	<b>Description</b>	<b>Transmission Related <sup>(2)</sup></b>	<b>Non-Transmission Related</b>	<b>Reported on FERC Form 1</b>
1	<b>Duke Energy Ohio <sup>(1)</sup></b>			
2	Other Projects	<u>\$ 324,654</u>	<u>\$ 7,426,891</u>	<u>\$ 7,751,545</u>
3	<b>Duke Energy Kentucky <sup>(1)</sup></b>			
4	Other Projects	<u>\$ -</u>	<u>\$ 79,977</u>	<u>\$ 79,977</u>

<sup>(1)</sup> Source: FERC Form 1, Page 214

<sup>(2)</sup> Balances to Page 2, Line 25

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102  
Page 4 of 17  
For the 12 months ended: 12/31/2018

**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	\$ 281,276	\$ 71,895	
2	Regulatory Commission Expense	Form 1, P.350, col. d	1,359,756	681,983	
3	Ohio Consumers' Counsel	Form 1, P.350, col. d	215,014	-	
4	PUCO - Division of Forecasting	Form 1, P.350, col. d	111,228	-	
5	Request for Rate Increase & Other Misc Exp	Form 1, P.350, col. d	-	138,071	
6					
7	Electric Power Research Institute	Form 1, P.353, col.d	462,978	580,333	
8	Less amounts recorded in a transmission account	FERC Account 566	282,229	260,519	(1)
9	Less amounts recorded in a non-formula related account	FERC Account 506	-	155,782	
10	Less amounts recorded in a non-formula related account	FERC Account 557	11,528	11,426	
11	Less amounts recorded in a non-formula related account	FERC Account 588	146,669	135,387	
12	Less amounts recorded in a non-formula related account	FERC Account 910	19,157	15,849	
13	Total Electric Power Research Institute		<u>\$ 3,395</u>	<u>\$ 1,370</u>	
14					
15	Subtotal		\$ 1,970,669	\$ 893,319	
16					
17	Amount of Safety Related Advertising in Account 930.1		-	-	
18					
19	Non-Safety Adv., Reg. Comm. Exp. & EPRI - To Page 3, Line 5		<u>\$ 1,970,669</u>	<u>\$ 893,319</u>	

(1) To Page 3, line 1c

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102

Page 5 of 17

For the 12 months ended: 12/31/2018

**A&G Expense**

<b>Line No.</b>	<b>Description</b>	<b>DEO</b>	<b>DEK</b>
1	A&G Expense, Page 323, line 197, column b	\$ 52,110,271	\$ 20,261,581
2	Less: Lobbying Expense	2,053	-
3	Less: Department of Justice Settlement - 2015	-	136,886
4	Adjusted A&G Expense - To Page 3, Line 3	<u>\$ 52,108,218</u>	<u>\$ 20,124,695</u>

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102

Page 6 of 17

For the 12 months ended: 12/31/2018

**State Tax Composite Rate**

<b>Line No.</b>	<b>Description</b>	<b>DEO</b>	<b>DEK</b>
1	Revenue Requirement	\$ 132,568,943	\$ 5,257,544
2	Tax Rate	0.00%	5.00%
3	State Taxes	\$ -	\$ 262,877
4	Composite Tax Rate	0.00%	5.00%

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102

Page 7 of 17

For the 12 months ended: 12/31/2018

**Determination of Transmission Plant Included in OATT Ancillary Services**

<b>Line No.</b>	<b>Description</b>	<b>DEO</b>	<b>DEK</b>
1	Total Generation Step-up Transformers	\$ -	\$ 16,503,955
2	Distribution Use	-	-
3	Transmission Plant Included in OATT Ancillary Services - To Page 4, Line 3	<u>\$ -</u>	<u>\$ 16,503,955</u>

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102

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For the 12 months ended: 12/31/2018

**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	\$ 11,260,178	\$ 1,069,299
2			
3	Tower Lease Revenues in per Books Total above	94,513	11,781
4			
5	Rent from Electric Property in per Books Total above	1,371,726	117,581
6	Portion Attributable to Transmission (Exhibit No. DUK-102, Page 15)	5.90%	1.92%
7	Rent from Electric Property Attributable to Transmission	\$ 80,932	\$ 2,258
8			
9	Total Account 454 - To Page 4, Line 34	\$ 175,445	\$ 14,039
10			
11			
12			
13			
		Account 456.1	
		DEO	DEK
14	Total Account 456.1 Per Books Total, Page 300, line 22, column b	\$ 22,635,583	\$ 18,763,040
15			
16	Less: Transmission Revenues - Load in Divisor		
17	Sch 1 - Scheduling, System Control & Dispatch	\$ 1,450	\$ -
18	Sch 4 - Day-Ahead Load Response Charge Allocation	(27,311)	-
19	Sch 4 - Real-Time Load Response Charge Allocation	(45,121)	-
20	Sch 8 - Non-Firm PTP	141,001	24,348
21	Sch 9 - NITS	20,065,426	-
22	Sch 26 - MTEP Project Cost Recovery	1,801,397	-
23	PJM Customer Payment Default	(144,284)	-
24	Facilities Charges	179,910	61,823
25	Other Transmission Revenues - FTR's	-	18,647,714
26	Miscellaneous	-	-
27	Total Transmission Revenues - Load in Divisor	\$ 21,972,468	\$ 18,733,885
28			
29	Total Account 456.1 - To Page 4, Line 35	\$ 663,115	\$ 29,155

**Duke Energy Ohio and Duke Energy Kentucky**

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For the 12 months ended: 12/31/2018

**Duke Energy Ohio Consolidated  
Capital Structure  
December 31, 2018  
(In Dollars)**

<b>Line No.</b>	<b>Description</b>	<b>Parent DE Ohio Holding Co.</b>
1	Total Proprietary Capital, page 112, line 16, column c	\$ 3,455,424,163
2	Less: Goodwill, page 233, line 1, column f	\$ 746,918,647
3	<b>Total Common Stock Equity</b>	<b>\$ 2,708,505,516</b>



## Duke Energy Ohio and Duke Energy Kentucky

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For the 12 months ended: 12/31/2018

### 2018 DEOK MONTHLY TRANSMISSION SYSTEM PEAKS (KILOWATTS)

Line No.	Month	Monthly Peak <sup>(1)</sup>
1	Jan	4,770,000
2	Feb	4,039,000
3	Mar	3,716,000
4	Apr	3,526,000
5	May	4,702,000
6	Jun	5,198,000
7	Jul	5,133,000
8	Aug	5,036,000
9	Sep	5,119,000
10	Oct	4,639,000
11	Nov	3,975,000
12	Dec	3,990,000
13	Total	53,843,000
14	Average	<u>4,486,917</u>

Notes:

- (1) DEOK 1 CP is Duke Energy Ohio ("DEO") Monthly Firm Transmission System Peak Load as reported on page 400,

Duke Energy Ohio  
2018 OATT Annual Update  
Worksheet for Derivation of PBOP Expense  
Included in 2018 FERC Form 1 Data

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For the 12 months ended: 12/31/2018

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	\$ 305,824	\$ 1,782,753	
4		Long-term Disability Expense			
5		Adjustment to Reflect (Gains) and Losses - Legacy Duke	154,760	(197,530)	
6		Adjustment to Reflect (Gains) and Losses - Legacy Progress	-	(669,701)	
7		Accrual for Future Disableds	456,216	3,429,900	
8					
9		Total Service Cost and Long-Term Disability Expense	\$ 916,800	\$ 4,345,422	
10					
11		O&M percentage	63.02%	100.00%	
12		Electric only percentage	70.31%		
13		Percent DEBS Allocation to DEO (Electric only)		10.28%	
14		Adjustment to Transfer Expense to/from Duke Affiliates			\$ (29,897)
15					
16		PBOP Expense O&M for DEO (Line 9 * Line 11 * (Line 12 or Line 13))	\$ 406,228	\$ 446,503	\$ 852,731
17					
18		Total DEO Direct and Allocated PBOP Expense (Benefit cost pool)			\$ 822,834
19					
20		Duke Energy - All Legacy Postretirement Welfare Plans			
21		Net periodic benefit cost - non-service cost	\$ 365,863	\$ 41,310	
22					
23		Purchase accounting adjustment	1,584,346		
24		Total non-service cost and purchase accounting adjustment	\$ 1,950,209	\$ 41,310	
25					
26		Electric only percentage	70.31%		
27		Percent DEBS allocation to DEO (Electric only)		11.05%	
28		PBOP Expense O&M for DEO - Non-service cost including purchase accounting adjustment (Line 24 * (Line 26 or Line 27))	\$ 1,371,192	\$ 4,566	\$ 1,375,758
29					
30					
31		Total DEO PBOP Expense - FERC Account 926 (To page 3 of 6, Line 3a)			\$ 2,198,592

Actuarial Valuation Report December 31, 2018 Disclosure and Fiscal 2019 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11

Duke Energy Corporation Post Employment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Year Ending December 31, 2018 Page 29

Duke Energy Corporation Post Employment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Year Ending December 31, 2018 Page 31

LTD\_FAS 112 Summary

Actual O&M % of Total Payroll for YE 2017  
DEO 2018 Allocation Stat Percentages Table  
Service Company Labor Allocation to DEO for 2018

Actuarial Valuation Report December 31, 2018 Disclosure and Fiscal 2019 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11

Year End 2015 Footnote Disclosures - Prepurchase Accounting

DEO 2018 Allocation Stat Percentages Table  
Service Company Labor Allocation to DEO for 2017

Duke Energy Kentucky  
2018 OATT Annual Update  
Worksheet for Derivation of PBOP Expense  
Included in 2018 FERC Form 1 Data

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For the 12 months ended: 12/31/2018

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
1	926				
2		Duke Energy - All Legacy Postretirement Welfare Plans			
3		Net periodic benefit cost - service cost	\$ 202,104	\$ 1,782,753	
4		Long-term disability expense			
5		Adjustment to reflect (gains) and losses - Legacy Duke	238,308	(197,530)	
6		Adjustment to reflect (gains) and losses - Legacy Progress	-	(669,701)	
7		Accrual for future disableds	260,940	3,429,900	
8					
9		Total service cost and long-term disability expense	\$ 701,352	\$ 4,345,422	
10					
11		O&M percentage	69.67%	100.00%	
12		Electric only percentage	72.46%		
13		Percent DEBS allocation to DEK (Electric only)		3.20%	
14		Adjustment to transfer expense to/from Duke affiliates			\$ 44,514
15					
16		PBOP Expense O&M for DEK (Line 9 * Line 11 * (Line 12 or Line 13))	\$ 354,063	\$ 138,983	\$ 493,046
17					
18		Total DEK direct and allocated PBOP expense (Benefit cost pool)			\$ 537,560
19					
20		Duke Energy - All Legacy Postretirement Welfare Plans			
21		Net periodic benefit cost - non-service cost	\$ (64,342)	\$ 41,310	
22		Purchase accounting adjustment	255,422		
23		Total non-service cost and purchase accounting adjustment	\$ 191,080	\$ 41,310	
24					
25		Electric only percentage	72.46%		
26		Percent DEBS Allocation to DEK (Electric only)		3.12%	
27					
28		PBOP Expense O&M for DEK - Non-service cost including purchase accounting adjustment (Line 23 * (Line 25 or Line 26))	\$ 138,457	\$ 1,288	\$ 139,745
29					
30					
31		Total DEK PBOP Expense - FERC Account 926 (To page 3 of 6, Line 3a)			\$ 677,305

Actuarial Valuation Report December 31, 2018 Disclosure and Fiscal 2019 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11

Duke Energy Corporation Post Employment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Year Ending December 31, 2018 Pages 29/30

Duke Energy Corporation Post Employment Welfare Benefit Plans Actuarial Valuation Report Postemployment Benefit Cost and Employer Cash Flow For Fiscal Year Ending December 31, 2018 Page 31

LTD\_FAS 112 Summary

Actual O&M % of Total Payroll for YE 2017  
DEK 2018 Allocation Stat Percentages Table  
Service Company Labor Allocation to DEK for 2018

Actuarial Valuation Report December 31, 2018 Disclosure and Fiscal 2019 Net Periodic Benefit Cost for Duke Energy Ohio and Duke Energy Kentucky Retirement Plans Page 11

Year End 2015 Footnote Disclosures - Prepurchase Accounting

DEK 2018 Allocation Stat Percentages Table  
Service Company Labor Allocation to DEK for 2017

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102

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For the 12 months ended: 12/31/2018

**Schedule 1A - Annual MWh**

<b>Line No.</b>	<b>Transaction Type</b>	<b>Seller</b>	<b>MWh</b>
1	Default Supplier Load	AEPDO2	(164,153)
2		EPPDPR	(211,054)
3		NEEDEO	(773,866)
4		BTGDOH	(92,369)
5		CEDDPR	(1,126,310)
6		DTTDEO	(346,783)
7		AEPDPR	(55,418)
8		FESDPR	(184,739)
9		NAGPKD	(110,845)
10		EADUKE	(184,739)
11	Total Default Supplier Load		(3,250,276)
12			
13	De-rated Losses		(384,815)
14			
15	Retail Load Responsibility		(18,283,368)
16			
17	Wholesale Load Responsibility	AMPGEO	(47,195)
18		AMPHAM	(612,533)
19		AMPLEB	(380,189)
20		AMPWTN	(42,535)
21		BUCK	(264,023)
22		DEK	(4,328,862)
23		EKPC	(148,351)
24		EPVOBO	(26,659)
25		EPVOHO	(5,845)
26		EPVORO	(17,516)
27		IMPA	(66,871)
28	Total Wholesale Load Responsibility		(5,940,579)
29			
30	Grand Total (to Appendix A, line 4)		(27,859,038)

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: 12/31/2018

**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 2017	January 2018	\$ (479,373.89)	\$ (9,412.92)	\$ (488,786.81)	\$ (488,786.81)	0.00	0.00
2	January 2018	February	(512,620.49)	(9,212.11)	(521,832.60)	(521,832.60)	0.00	0.00
3	February	March	(405,984.61)	(8,205.44)	(414,190.05)	(414,190.05)	0.00	0.00
4	March	April	(437,749.67)	(5,856.54)	(443,606.21)	(443,606.21)	0.00	0.00
5	April	May	(392,809.41)	(6,494.42)	(399,303.83)	(399,303.83)	0.00	0.00
6	May	June	(468,332.90)	(8,729.02)	(477,061.92)	(477,061.92)	0.00	0.00
7	June	July	(417,371.88)	(10,430.42)	(427,802.30)	(427,802.30)	0.00	0.00
8	July	August	(444,179.57)	(9,585.67)	(453,765.24)	(453,765.24)	0.00	0.00
9	August	September	(444,370.53)	(10,778.71)	(455,149.24)	(455,149.24)	0.00	0.00
10	September	October	(389,465.50)	(11,332.27)	(400,797.77)	(400,797.77)	0.00	0.00
11	October	November	(361,879.05)	(12,463.34)	(374,342.39)	(374,342.91)	(0.52)	(0.52)
12	November	December	\$ (349,802.26)	\$ (8,117.00)	\$ (357,919.26)	\$ (357,918.74)	0.52	0.00
13								
14	<b>Attachment H-22A, Appendix A - Line 2</b>			<b>\$ (110,617.86)</b>				

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: 12/31/2018

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

Line No.	Counts	DEO		DEK	
		Transmission	Distribution	Transmission	Distribution
1	Poles	24,189	386,594	69	3,533
2	Towers	6	3	-	-
3	Structures	42	64	-	-
4	Total	24,237	386,661	69	3,533
5					
6	Portion Attributable to Transmission	5.90%	94.10%	1.92%	98.08%

**Duke Energy Ohio and Duke Energy Kentucky**

Exhibit No. DUK-102  
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For the 12 months ended: 12/31/2018

**Corrections to May 2018 Annual Update Filing**

<b>Line No.</b>	<b>Description</b>	<b>Revenue Impact of Correction</b>	<b>Revenue Requirement</b>
1	May 15, 2018 Filing		\$ 121,250,903
2			
3	Long-term interest, amortization of Premium on Debt - Credit (429), FERC Form 1, page 117, line 65, should have been subtracted rather than added		
4			
5	Change in A&G Return	\$ -	
6	Income Tax	(139,489)	
7		0	
8		\$ (139,489)	\$ (139,489)
9	Exhibit No. DUK-102, page 5 of 11, DEO A&G expenses should not have included Ohio Commercial Activity Tax for 2015 Related to Discontinued Business in Account 930.2		
10			
11	Change in A&G Return	\$ (32,499)	
12	Income Tax	(341)	
13		(64)	
14		\$ (32,904)	\$ (32,904)
15	Exhibit No. DUK-102, page 5 of 11, DEO A&G expenses reduced to reflect revisions made by DEOK to remove \$3,966,523 from account 930.2.		
16			
17	Change in A&G Return	\$ (599,381)	
18	Income Tax	(6,272)	
19		(1,188)	
20		\$ (606,841)	\$ (606,841)
21	Revised Revenue Requirement - May 15, 2018 Filing		\$ 120,471,669
22			
23			
24	Changes to May 15, 2018 Attachment H Filing		\$ 779,234
25			
26	FERC Refund Rate		4.96%
27			
28	Number of Periods		1.5
29			
30	Interest - ((Amount * (1+Rate)^Periods) - Amount)		\$ 59,802
31			
32			
33	Total Refunds Due to Customers - To Attachment H, page 1 of 1	Line 24 + Line 30	\$ 839,036

**Duke Energy Ohio and Duke Energy Kentucky**

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For the 12 months ended: 12/31/2018

**LSE Expenses Included in Transmission O&M**

<b>Line No.</b>	<b>Account</b>	<b>Description</b>	<b>DEO</b>	<b>DEK</b>
1	561.4	Scheduling, System Control & Dispatch Services	\$ 12,109,718	\$ 3,046,615
2				
3	561.8	Reliability, Planning and Standards Development Services	<u>(21,711,543)</u>	<u>(6,392,346)</u>
4				
5		Total LSE Expenses Included in Transmission O&M	\$ (9,601,825)	\$ (3,345,731)
6				
7		TE Allocator	<u>50.072%</u>	<u>68.355%</u>
8				
9		LSE Expense Allocated to Transmission (to Page 3 of 6, Line 1a)	<u>\$ (4,807,826)</u>	<u>\$ (2,286,974)</u>