

Kentucky Power Company  
Case No. 2017-00179  
Test Year Ended February 28, 2017

<u>Ln</u> <u>No.</u>	<u>Reference</u>	<u>Amount</u>	<u>Cumulative Percentage</u> <u>Increase</u>
(1a) Test Year Retail Sales Revenues per Income Statement	Section V, Schedule 4, Cell C7	\$ 554,150,679	
(1b) Less: Capacity Charge Over/Under removed in Adj 1		\$ 249,701	
(1) Test Year Retail Sales Revenues		\$ 553,900,978	
(2a) Proposed Increase to Revenue Requirement	Section V, Schedule 1, Cell I47	\$ 65,393,885	
(2b) Shortfall Due to Rounding of Rates		\$ (5,898)	
(2) Proposed Increase to Revenue Requirement		\$ 65,387,987	11.80%
(3) KEDS + HEAP	Section II, Exhibit J	\$ 284,891	11.86%
(4a) Environmental Surcharge Revenues	Exhibit AJE-5	\$ 3,903,065	
(4b) Shortfall Due to Rounding of Rates		\$ (9)	
(4) Environmental Surcharge Revenues		\$ 3,903,056	12.56%
(5) Total Increase (Ln 2 + Ln 3 + Ln 4)		\$ 69,575,934	

KENTUCKY POWER COMPANY  
FULLY ADJUSTED BASE CASE SUMMARY  
TEST YEAR ENDED FEBRUARY 28, 2017

SECTION V  
SCHEDULE 1

LINE NO. (1)	DESCRIPTION (2)	BASE CASE PSC JURISDICTION (3)	PROPOSED CHANGE (4)	ADJUSTED PSC JURISDICTION (5)
<u>Operating Revenues</u>				
1	Sales Of Electricity	\$500,400,208	\$65,393,885	\$565,794,093
2	Other Operating Revenues	25,618,746	0	25,618,746
3	Non-firm Sales	42,357,604	0	42,357,604
4	Total Operating Revenues	<u>\$568,376,559</u>	<u>\$65,393,885</u>	<u>\$633,770,444</u>
<u>Operating Expenses</u>				
5	Operation & Maintenance	\$415,564,065	\$349,269	\$415,913,334
6	Depreciation	\$78,540,443	0	78,540,443
7	Taxes Other Than Income Taxes	\$22,412,856	0	22,412,856
8	State Income Tax	(\$963,814)	3,820,865	2,857,051
	Other Including Customer Deposits	\$2,918,288		2,918,288
	Federal Income Tax :			
9	Current	(\$14,904,104)	21,428,313	6,524,209
10	Deferred	\$19,622,271	0	19,622,271
11	ITC Adjustment	\$0	0	0
12	Total Operating Expenses	<u>\$523,190,006</u>	<u>\$25,598,447</u>	<u>\$548,788,452</u>
13	Net Electric Operating Income (Line 4 - Line 12)	\$45,186,553	\$39,795,438	\$84,981,992
14	AFUDC Offset Adjustment / Deferred Income	1,779,992	0	1,779,992
15	Net Electric Operating Income - Adjusted	<u>\$46,966,545</u>	<u>\$39,795,438</u>	<u>\$86,761,984</u>
16	Total Rate Base			\$1,194,888,447
17	Rate of Return			7.26%
18	Capitalization			\$1,191,785,493
19	Rate of Return			7.28%
20	Total Operating Revenue			<u>633,770,444</u>
21	Change in Revenue Requirement			65,393,885

KENTUCKY POWER COMPANY  
REVENUE REQUIREMENT  
TEST YEAR ENDED FEBRUARY 28, 2017

SECTION V  
SCHEDULE 2

Line No. (1)	Description (2)	Percent of Incremental Gross Revenues (3)
1	Capitalization (Per Sch 3, L 7, Col 14)	\$1,191,785,493
2	Rate of Return (WP S-2, Pg 1, L 5, Col 6)	<b>7.28%</b>
3	Required Net Electric Operating Income (L1 X L2)	\$86,761,984
4	Test Year Net Electric Operating Income (Per Sch 4, Col 6, Ln 35)	\$46,966,545
5	Net Electric Operating Income Change (L3 - L4)	\$39,795,439
6	Gross Revenue Conversion Factor (Per WP S-2, Pg 2, L 9)	1.64325077
7	Change in Revenue Requirement (L5 X L6) Increase / (Decrease)	\$65,393,885

KENTUCKY POWER COMPANY  
COST OF CAPITAL  
TEST YEAR ENDED FEBRUARY 28, 2017

SECTION V  
WORKPAPER S-2  
PAGE 1 OF 3

<u>Line No.</u> (1)	<u>Description</u> (2)	<u>Reapportioned Kentucky Jurisdictional Capital</u> 1/ (3)	<u>Percentage of Total</u> (4)	<u>Annual Cost Percentage Rate</u> (5)		<u>Weighted Average Cost Percent</u> (6) = (4) X (5)
1	Long Term Debt	\$648,913,758	54.45%	5.32%	2/	2.90%
2	Short Term Debt	0	0.00%	0.80%	3/	0.00%
3	Accounts Receivable Financing 4/	46,105,009	3.87%	1.95%	5/	0.08%
4	Common Equity	496,766,726	41.68%	<b>10.31%</b>	6/	4.30%
5	Total	<u>\$1,191,785,493</u> =====	<u>100.00%</u> =====			<u>7.28%</u> =====

1/ Schedule 3, Column 14, Lines 1, 2, 3 & 4

2/ Per workpaper S-3, Pg 1, Ln 15, Col 14

3/ Per workpaper S-3, Pg 2, Ln 16

4/ Per Commission Order March 31, 2003 Case No. 2002-00169

5/ 13 Month Average Accounts Receivable Balance and 13 Month Average Annual Carrying Cost

6/ Per Recommendation of Company Witnesses McKenzie

KENTUCKY POWER COMPANY  
COMPUTATION OF THE GROSS REVENUE  
CONVERSION FACTOR  
TEST YEAR ENDED FEBRUARY 28,2017

SECTION V  
WORKPAPER S-2  
PAGE 2 OF 3

Line No. (1)	Description (2)		Percent of Incremental Gross Revenues (3)
1	Operating Revenues		100.00%
2	Less: Uncollectible Accounts Expense 1/		0.34%
3	KPSC Maintenance Fee		0.19%
4	Income Before income Taxes		99.47%
5	Less: State Income Taxes (L4 X 5.8742%) 2/	5.8742%	5.84%
6	Income Before Federal Income Taxes		93.62%
7	Less: Federal income Taxes (L6 X 35.00%)	35.00%	32.77%
8	Operating Income Percentage		60.85%
9	Gross Revenue Conversion Factor (100% / L8)		<b>1.64325077</b>

1/ Per Workpaper S-2, Page 3, Col 5, Line 5

2/ State Income Tax Effective Rate Calculations

State Income Tax Rate - Illinois	7.75%	
Apportionment Factor	1.8070%	
Effective Illinois State Income Tax Rate		0.140043%
State Income Tax Rate - KY	6.00%	
Apportionment Factor	72.0635%	
Effective Kentucky State Income Tax Rate		4.323810%
State Income Tax Rate - Michigan	6.00%	
Apportionment Factor	0.0836%	
Effective Michigan State Income Tax Rate		0.005016%
State Income Tax Rate - WV	6.50%	
Apportionment Factor	21.6208%	
Effective West Virginia State Income Tax Rate		1.405352%
Total Effective State Income Tax Rate		5.874221%

KENTUCKY POWER COMPANY  
COMPUTATION OF FACTOR TO BE APPLIED TO ADDITIONAL  
REVENUES GENERATED BY RATE INCREASE, IN  
DETERMINATION OF AN UNCOLLECTIBLE ACCOUNTS  
ADJUSTMENT TO BE ADDED TO O&M EXPENSE  
TEST YEAR ENDED FEBRUARY 28, 2017

SECTION V  
WORKPAPER S-2  
PAGE 3 OF 3

Line No. (1)	Description (2)	Electric Revenues (3)	Account-Net Charged Off (4)	Percent of Electric Revenues (5)
1	12 Months Ended 2/28/2015	\$578,891,902	\$2,408,105	0.42%
2	12 Months Ended 2/29/2016	\$545,495,088	\$1,549,583	0.28%
3	12 Months Ended 2/28/2017	\$553,900,978	\$1,703,626	0.31%
4	Total	\$1,678,287,968	\$5,661,314	1.01%
5	Three Year Average	\$559,429,323	\$1,887,105	<b>0.34%</b>



KENTUCKY POWER COMPANY  
LONG-TERM DEBT  
TEST YEAR ENDED FEBRUARY 28, 2017  
(\$000)

Ln No	Description (2)	Interest Rate (%) (3)	Date of Offering (4)	Date of Maturity (5)	Average Term In Years (6)	Principal Amount Issued (7)	Total Original Discount (Prem) & Expense (8)	Net Proceeds on Principal Amt. Based on Original Prem. (Disc) & Exp (9)	Net Proceed Ratio (10)	Effective Cost Rate (11)	Current Amount Outstanding (12)	Average Cost of Debt Based on Carrying Value (13)	Average Cost of Debt (14)	Name of Issuer (15)
<b>Senior Notes</b>														
1	Senior Unsecured Notes	5.625%	06/13/2003	12/01/2032	29.45	\$75,000	\$737	\$74,263	99.02	5.694%	\$75,000	\$4,270		KPCo
2	Senior Unsecured Notes	6.000%	09/11/2007	09/15/2017	10.01	\$325,000	\$3,945	\$321,055	98.79	6.164%	\$325,000	\$20,034		KPCo
3	Senior Unsecured Notes	7.250%	06/18/2009	06/18/2021	11.99	\$40,000	\$218	\$39,782	99.46	7.319%	\$40,000	\$2,928		KPCo
4	Senior Unsecured Notes	8.030%	06/18/2009	06/18/2029	19.99	\$30,000	\$148	\$29,852	99.51	8.080%	\$30,000	\$2,424		KPCo
5	Senior Unsecured Notes	8.130%	06/18/2009	06/18/2039	29.98	\$60,000	\$342	\$59,658	99.43	8.181%	\$60,000	\$4,909		KPCo
6	Senior Unsecured Notes	4.180%	9/30/2014	9/30/2026	11.99	\$120,000	\$638	\$119,362	99.47	4.237%	\$120,000	\$5,084		KPCo
7	Senior Unsecured Notes	4.330%	12/30/2014	12/30/2026	11.99	\$80,000	\$415	\$79,585	99.48	4.386%	\$80,000	\$3,509		KPCo
8	Subtotal					\$730,000	\$6,443	\$723,557			\$730,000	\$43,158		
<b>Pollution Control Bond</b>														
9	Pollution Control Bond	1.490%	6/26/2014	6/26/2017	3.0	65,000	676	64,324	98.96	1.848%	65,000	\$1,201		WVEDA
						65,000	676	64,324			65,000	\$1,201		
<b>Local Bank Term Loan</b>														
10	Term Loan	2.420%	11/5/2014	11/5/2018	4	75,000	509	74,491	99.32	2.595%	\$75,000	\$1,946		KPCo
						75,000	509	74,491			\$75,000	\$1,946		
15	Total Kentucky Power					870,000	7,628	862,372			870,000	46,305	5.3200%	



KENTUCKY POWER COMPANY  
SCHEDULE OF SHORT-TERM DEBT  
TEST YEAR ENDED FEBRUARY 28, 2017

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Line No. (1)	Month (2)	Year (3)	Notes Payable Outstanding at End of Month (4)
1	March	2016	\$15,789,997
2	April	2016	\$6,327,114
3	May	2016	\$15,971,610
4	June	2016	\$16,274,466
5	July	2016	\$1,318,074
6	August	2016	\$1,720,423
7	September	2016	\$11,383,796
8	October	2016	\$17,177,768
9	November	2016	\$13,878,008
10	December	2016	\$1,807,118
11	January	2017	\$0
12	February	2017	\$1,022,872
13	Total		----- \$102,671,247
14	Average Borrowings Outstanding During the Period		----- \$8,555,937
15	Interest Expense for the Twelve Months Ended 12/31/2016		----- \$68,216
16	Weighted Average Interest Rate of Borrowings Outstanding During the Period (Ln 15 / Ln 14)		----- 0.80% =====

KENTUCKY POWER COMPANY  
COAL STOCK ADJUSTMENT  
MITCHELL PLANT  
TEST YEAR ENDED FEBRUARY 28,2017

SECTION V  
WORKPAPER S-3  
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Line No. (1)	Description (2)	Tons (3)	Average \$/Ton (4)	Amount (5)
1	Balance End of Test Year (Low Sulfur)	94,209	\$59.50	\$5,605,602
2	Balance End of Test Year (High Sulfur)	207,285	\$53.81	\$11,153,949
3	Daily Burn Rate (Low Sulfur)	3,841		
4	Daily Burn Rate (High Sulfur)	3,841		
5	Days Supply on Hand - Low Sulfur (Ln 1 / Ln 3)	25		
6	Days Supply on Hand - High Sulfur (Ln 2 / Ln 4)	54		
7	Day Supply Requested (Low Sulfur)	30		
8	Day Supply Requested (High Sulfur)	15		
9	Fuel Stock Requested - Low Sulfur (Ln 3 X Ln 7)	115,215	\$59.50	\$6,855,293
10	Fuel Stock Requested - High Sulfur (Ln 4 X Ln 8)	57,608	\$53.81	\$3,099,886
11	Adjustment to Test Year - Low Sulfur (Ln 9 - Ln 1)	21,006		\$1,249,691
12	Adjustment to Test Year - High Sulfur (Ln 10 - Ln 1)	(149,677)		(\$8,054,063)
13	KPCo's Adjustment Test Year (Ln 11 + Ln 12)	(128,671)		(\$6,804,372)
14	Allocation Factor - EAF			0.986
15	KPSC Jurisdictional Amount (Ln 13 X Ln 14)			(\$6,709,111)

SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description	KPCo TOTAL COMPANY PER BOOKS		NON-KY P.S.C JURIS		KENTUCKY PSC JURIS ONLY		GOING LEVEL ADJUSTMENTS		ADJUSTED KY PSC JURIS	
		(2)	(3)	(4)	(5)	(6)					
1	Operating Revenues - Sales of Electricity	554,150,679	0	554,150,679	(53,750,470)	500,400,208					
2	Operating Revenues - Firm Wholesale Sales of Electricity	5,037,085	5,037,085	0	0	0					
3	Provision for Rate Refund	(1,102,336)	(1,102,336)	0	0	0					
4	Other Electric Operating Revenues	41,847,627	900,576	40,947,050	(15,328,304)	25,618,746					
5	Non-Firm Sales Revenues	47,008,914	658,125	46,350,789	(3,993,185)	42,357,604					
6	<b>Total Operating Revenues</b>	<b>646,941,969</b>	<b>5,493,450</b>	<b>641,448,518</b>	<b>(73,071,955)</b>	<b>568,376,559</b>					
7											
8	<b>Operation and Maintenance Expenses</b>										
9	Power Production	310,680,317	4,403,591	306,276,726	(475,668)	305,801,058					
10	Transmission	36,995,935	173,031	36,822,904	646,199	37,469,103					
11	Distribution	49,431,233	49,430	49,381,803	(5,477,455)	43,904,348					
12	Customer Accounts	5,767,895	68	5,767,827	(35,319)	5,732,508					
13	Sales Expense	95,535	1	95,534	(29,845)	65,688					
14	Customer Service & Information	8,570,060	12	8,570,068	(7,670,239)	899,829					
15	Administrative and General	21,123,869	282,651	20,841,218	850,314	21,691,531					
16	Undistributed Adjustments	0	0	0	0	0					
17	<b>Total Operation and Maintenance Expense</b>	<b>432,664,863</b>	<b>4,908,784</b>	<b>427,756,079</b>	<b>(12,192,014)</b>	<b>415,564,065</b>					
18											
19	Depreciation and Amortization Expense	85,078,041	872,060	84,205,981	(5,665,536)	78,540,443					
20	Taxes Other than Federal Income Taxes	21,605,602	(16,893)	21,622,495	790,361	22,412,856					
21	State Income Tax	(2,593,601)	(2,802,908)	209,307	(1,173,121)	(963,814)					
22	Interest on Customer Deposits	110,400	0	110,400	67,254	177,654					
23	Other	3,597,859	838,971	2,758,889	(18,255)	2,740,634					
24	<b>Net Operating Income Before F.I.T.</b>	<b>106,478,805</b>	<b>1,693,438</b>	<b>104,785,368</b>	<b>(54,880,647)</b>	<b>49,904,720</b>					
25											
26	<b>Federal Income Tax</b>										
27	Current Federal Income Tax	4,962,524	6,038,900	(1,076,376)	(13,827,728)	(14,904,104)					
28	Deferred Federal Income Tax	17,284,111	(3,811,465)	21,095,576	(1,470,978)	19,624,598					
29	Deferred Investment Tax Credit	(2,362)	(35)	(2,327)	0	(2,327)					
30	ITC Adjustment	0	0	0	0	0					
31	<b>Total Federal Income Taxes</b>	<b>22,244,273</b>	<b>2,227,400</b>	<b>20,016,873</b>	<b>(15,298,706)</b>	<b>4,718,167</b>					
32											
33	Operating Income	84,234,532	(533,962)	84,768,495	(39,581,941)	45,186,553					
34	AFUDC Offset	799,210	13,585	1,218,951	561,041	1,779,992					
35	<b>Net Operating Income</b>	<b>85,033,742</b>	<b>(520,378)</b>	<b>85,987,446</b>	<b>(39,020,900)</b>	<b>46,966,545</b>					
36											
37	Electric Plant in Service - Original Cost	2,606,538,290	45,307,235	2,561,231,055	(323,154,089)	2,238,076,966					
38	Accumulated Provision for Depreciation & Amortization	(873,474,729)	(15,670,069)	(857,804,660)	93,260,268	(764,544,392)					
39	<b>Electric Plant in Service - Net</b>	<b>1,733,063,560</b>	<b>29,637,165</b>	<b>1,703,426,395</b>	<b>(229,893,821)</b>	<b>1,473,532,574</b>					
40	Electric Plant Held for Future Use	6,303,504	5,676,528	626,976	0	626,976					
41	Prepayments	50,665,705	759,986	49,905,719	0	49,905,719					
42	Materials & Supplies	45,282,869	618,991	44,663,878	(8,319,303)	36,344,575					
43	Cash Working Capital	21,366,873	148,187	21,218,686	(1,524,002)	19,694,685					
44	Construction Work in Progress	27,165,803	1,220,900	25,944,903	0	25,944,903					
45	Customer Advances & Deposits	(27,076,876)	(0)	(27,076,876)	0	(27,076,876)					
46	Accumulated Deferred Income Taxes	(502,756,787)	(7,541,352)	(495,215,435)	111,131,327	(384,084,108)					
47	<b>Rate Base</b>	<b>1,354,014,651</b>	<b>30,520,405</b>	<b>1,323,494,246</b>	<b>(128,605,799)</b>	<b>1,194,888,447</b>					
48											
49	<b>Rate of Return</b>	<b>6.280%</b>	<b>-1.71%</b>	<b>6.497%</b>		<b>3.931%</b>					
50											

SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description	KPCo TOTAL COMPANY PER BOOKS		NON-KY P.S.C JURIS	KENTUCKY PSC JURIS ONLY	GOING LEVEL ADJUSTMENTS	ADJUSTED KY PSC JURIS	ALLOCATOR
		(2)	(3)					
51	<b>Development of Rate Base</b>							
52	Electric Plant in Service	19,586,695	293,801	19,292,894	0	0	19,292,894	GP-PTD
53	Intangible Plant	0	0	0	0	0	0	GP-PTD
54	Capitalized Software	0	0	0	0	0	0	
55	<b>Total Intangible Plant</b>	19,586,695	293,801	19,292,894	0	0	19,292,894	
56	<b>Production Plant</b>							
57	<b>Steam Production</b>							
58	A310 Land & Land Rights	4,857,884	72,868	4,785,016	0	0	4,785,016	PDAF
59	A311 Structures and Improvements	63,824,835	957,372	62,867,463	0	0	62,867,463	PDAF
60	A312 Boiler Plant Equipment	935,905,994	14,038,589	921,867,405	(323,154,089)	0	598,713,316	PDAF
61	A313 Engines/Engine Driven Gen.	0	0	0	0	0	0	PDAF
62	A314 Turbogenerator Units	115,351,525	1,730,273	113,621,252	0	0	113,621,252	PDAF
63	A315 Accessory Electric Equip.	28,911,069	433,666	28,477,403	0	0	28,477,403	PDAF
64	A316 Misc. Power Plant Equip.	11,394,244	170,914	11,223,330	0	0	11,223,330	PDAF
65	A317 ARO Steam Production Plant	11,624,652	11,624,652	0	0	0	0	PDAF
66	<b>Total Steam Production</b>	1,171,870,203	29,028,334	1,142,841,869	(323,154,089)	0	819,687,780	
67	<b>Total Nuclear Production</b>	0	0	0	0	0	0	
68	<b>Nuclear Production</b>							
69	A320 Land & Land Rights	0	0	0	0	0	0	
70	A321 Structures and Improvements	0	0	0	0	0	0	
71	A322 Reactor Plant Equipment	0	0	0	0	0	0	
72	A323 Turbogenerator Units	0	0	0	0	0	0	
73	A324 Accessory Electric Equip.	0	0	0	0	0	0	
74	A325 Misc. Power Plant Equipment	0	0	0	0	0	0	
75	<b>Total Nuclear Production</b>	0	0	0	0	0	0	
76	<b>Hydraulic Production</b>							
77	A330 Land & Land Rights(MACSS Cap)	0	0	0	0	0	0	
78	A331 Structures and Improvements	0	0	0	0	0	0	
79	A332 Reservoirs, Dams, and Waterways	0	0	0	0	0	0	
80	A333 Water Wheels, Turbines, and Generators	0	0	0	0	0	0	
81	A334 Accessory Electric Equipment	0	0	0	0	0	0	
82	A335 Miscellaneous Power Plant Equip.	0	0	0	0	0	0	
83	A336 Roads, Railroads, and Bridges	0	0	0	0	0	0	
84	A337 ARO Hydraulic Production	0	0	0	0	0	0	
85	<b>Total Hydraulic Production</b>	0	0	0	0	0	0	
86	<b>Other Production</b>							
87	A340 Land & Land Rights	0	0	0	0	0	0	
88	A341 Structures and Improvements	0	0	0	0	0	0	
89	A342 Fuel Holder, Producer & Acc	0	0	0	0	0	0	
90	A343 Prime Movers	0	0	0	0	0	0	
91	A344 Generators	0	0	0	0	0	0	
92	A345 Accessory Plant Equipment	0	0	0	0	0	0	
93	A346 Misc. Power Plant Equipment	0	0	0	0	0	0	
94	<b>Total Other Production</b>	0	0	0	0	0	0	
95	<b>Total Production Plant</b>	1,171,870,203	29,028,334	1,142,841,869	(323,154,089)	0	819,687,780	
96	<b>Total Production Plant</b>	1,171,870,203	29,028,334	1,142,841,869	(323,154,089)	0	819,687,780	
97	FERC AFUDC Adjustment	608,469	9,127	599,342	0	0	599,342	GP-TRANS
98	Contra AFUDC Adjustment	0	0	0	0	0	0	
99	<b>Total AFUDC Adjustment</b>	608,469	9,127	599,342	0	0	599,342	

SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description (1)	KPCo TOTAL COMPANY PER BOOKS (2)	NON-KY P.S.C JURIS (3)	KENTUCKY PSC JURIS ONLY (4)	GOING LEVEL ADJUSTMENTS (5)	ADJUSTED KY PSC JURIS (6)	ALLOCATOR
106	<b>Transmission Plant</b>						
107	A350 Land and Land Rights	31,930,106	478,952	31,451,154	0	31,451,154	TDAF
108	A352 Structures and Improvements TRAN	6,568,577	98,529	6,470,048	0	6,470,048	TDAF
109	A353 Station Equipment TRAN	184,691,933	2,770,379	181,921,554	0	181,921,554	TDAF
110	A352 Structures and Improvements GEN	81,856	1,228	80,628	0	80,628	PDAF
111	A353 Station Equipment GEN	10,116,401	151,746	9,964,655	0	9,964,655	PDAF
112	A354 Towers and Fixtures	96,771,844	1,451,578	95,320,266	0	95,320,266	TDAF
113	A355 Poles and Fixtures	99,146,331	1,487,195	97,659,136	0	97,659,136	TDAF
114	A356 O.H. Conductors & Devices	135,569,408	2,033,541	133,535,867	0	133,535,867	TDAF
115	A357 Underground Conduit	11,590	174	11,416	0	11,416	TDAF
116	A358 Underground Conductors	106,066	1,591	104,475	0	104,475	TDAF
117	A359 Roads and Trails	0	0	0	0	0	TDAF
118	<b>Total Transmission Plant</b>	564,994,111	8,474,912	556,519,199	0	556,519,199	
119							
120	<b>Distribution Plant</b>						
121	A360 Land and Land Rights	7,496,165	1,408	7,494,757	0	7,494,757	Direct
122	A361 Structures and Improvements	4,369,029	44,907	4,324,122	0	4,324,122	Direct
123	A362 Station Equipment	93,995,913	903,859	93,092,054	0	93,092,054	Direct
124	A363 Storage Battery Equipment	0	0	0	0	0	SPECIFIC
125	A364 Poles, Towers & Fixtures Primary	197,960,425	0	197,960,425	0	197,960,425	SPECIFIC
126	A365 O.H. Conductors & Devices Primary	210,786,708	0	210,786,708	0	210,786,708	SPECIFIC
127	A366 Underground Conduits Primary	7,085,244	0	7,085,244	0	7,085,244	SPECIFIC
128	A367 U.G. Conductors & Devices Primary	10,922,889	0	10,922,889	0	10,922,889	SPECIFIC
129	A368 Line Transformers Primary	129,673,009	0	129,673,009	0	129,673,009	SPECIFIC
130	A369 Services	59,500,019	0	59,500,019	0	59,500,019	SPECIFIC
131	A370 Meters	24,884,085	4,102	24,879,983	0	24,879,983	Direct
132	A371 Install. on Customer Prem.	19,474,253	0	19,474,253	0	19,474,253	SPECIFIC
133	A372 Leased Prop. on Cust. Premises	0	0	0	0	0	SPECIFIC
134	A373 Street Lights	3,877,573	0	3,877,573	0	3,877,573	SPECIFIC
135	A374 ARO	0	0	0	0	0	SPECIFIC
136	<b>Total Distribution Plant</b>	770,025,312	954,276	769,071,036	0	769,071,036	
137							
138	<b>General Plant</b>						
139	A389 Land and Land Rights	1,524,731	22,871	1,501,860	0	1,501,860	GP-PTD
140	A390 Structures and Improvements	21,955,492	329,332	21,626,160	0	21,626,160	GP-PTD
141	A391 Office Furniture & Equip.	1,824,237	27,364	1,796,873	0	1,796,873	GP-PTD
142	A392 Transportation Equipment	14,768	222	14,546	0	14,546	GP-PTD
143	A393 Stores Equipment	194,628	2,919	191,709	0	191,709	GP-PTD
144	A394 Tools, Shop & Garage Equip.	4,062,372	60,936	4,001,436	0	4,001,436	GP-PTD
145	A395 Laboratory Equipment	261,453	3,921	257,532	0	257,532	GP-PTD
146	A396 Power Operated Equipment	5,931	89	5,842	0	5,842	GP-PTD
147	A397 Communication Equipment	9,705,776	145,587	9,560,189	0	9,560,189	GP-PTD
148	A398 Misc. Equipment	1,624,696	24,370	1,600,326	0	1,600,326	GP-PTD
149	A399 Other Tang. Property	0	0	0	0	0	GP-PTD
150	39919 ARO General Plant	81,054	81,054	0	0	0	GP-PTD
151	<b>Total General Plant</b>	41,255,139	698,666	40,556,473	0	40,556,473	
152							
153	<b>Completed Construction Not Classified -Acct 106</b>						
154	Intangible Plant	306,804	4,602	302,202	0	302,202	GP-PTD
155	Production Plant	4,677,642	70,165	4,607,477	0	4,607,477	PDAF
156	Transmission Plant	10,203,266	153,049	10,050,217	0	10,050,217	TDAF
157	Distribution Plant	16,851,130	0	16,851,130	0	16,851,130	Direct
158	General Plant	547,427	8,211	539,216	0	539,216	GP-PTD
159	<b>Total Completed Construction Not Classified</b>	32,586,268	236,026	32,350,242	0	32,350,242	
160							



SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description	KPCo TOTAL COMPANY PER BOOKS		NON-KY P.S.C JURIS		KENTUCKY PSC JURIS ONLY		GOING LEVEL ADJUSTMENTS		ADJUSTED KY PSC JURIS		ALLOCATOR
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)			
206	General	3,090,311	46,355	3,043,956	0	3,043,956					GP-PTD	
207	AFUDC	47,515	713	46,802	0	46,802						
208	<b>Total General Plant</b>	3,137,826	47,068	3,090,758	0	3,090,758						
209												
210	<b>Total Construction Work in Progress</b>	27,965,013	2,160,504	26,736,726	0	26,736,726						
211												
212	<b>Total AFUDC</b>	799,210	7,387	791,823	0	791,823						
213	<b>Total Construction Work in Progress Less AFUDC</b>	27,165,803	1,220,900	25,944,903	0	25,944,903						
214												
215	<b>Plant Held for Future Use - Acct 105</b>											
216	Production	5,675,900	5,675,900	0	0	0	0	0	0	0	Specific	
217	Transmission	0	0	0	0	0	0	0	0	0	TDAF	
218	Distribution	627,604	628	626,976	0	626,976	0	626,976	0	626,976	GP-DIST	
219	General	0	0	0	0	0	0	0	0	0	GP-PTD	
220	<b>Total Plant Held for Future Use</b>	6,303,504	5,676,528	626,976	0	626,976						
221												
222	<b>Materials &amp; Supplies</b>											
223	Fuel / Allowance Inventory	29,262,926	409,681	28,853,245	(6,709,111)	22,144,134					EAF	
224	Production M&S Inventory	11,620,993	174,315	11,446,678	0	11,446,678					PDAF	
225	Production M&S Inventory	1,969,143	27,568	1,941,575	(1,610,192)	331,383					EAF	
226	Transmission M&S Inventory	356,945	5,354	351,591	0	351,591					GP-TRANS	
227	Distribution M&S Inventory	2,072,862	2,073	2,070,789	0	2,070,789					GP-DIST	
228	<b>Total Materials &amp; Supplies</b>	45,282,869	618,991	44,663,878	(8,319,303)	36,344,575						
229												
230	<b>Prepayments</b>											
231	Prepaid Pension Benefit -1650010	48,706,586	730,599	47,975,987	0	47,975,987					GP-TOT	
232	Prepaid Other	1,959,119	29,387	1,929,732	0	1,929,732					GP-TOT	
233	<b>Total Prepayments</b>	50,665,705	759,986	49,905,719	0	49,905,719						
234												
235												
236	<b>Rate Base Additions (Deductions)</b>											
237	Accumulated Deferred Income Taxes	(502,756,787)	(7,541,352)	(495,215,435)	111,131,327	(384,084,108)					GP-TOT	
238	Unallocated Deferred FIT	0	0	0	0	0					Direct	
239	Deferred Investment Tax Credit	(1,250)	(1,250)	0	0	0					Direct	
240	Customer Advances	(159,526)	0	(159,526)	0	(159,526)					Specific	
241	Customer Deposits	(26,917,350)	(0)	(26,917,350)	0	(26,917,350)					Specific	
242	After Tax Effect of ARO	0	0	0	0	0					Direct	
243	<b>Total Rate Base Deductions</b>	(529,834,913)	(7,542,602)	(522,292,311)	111,131,327	(411,160,984)						
244												
245	<b>Total Rate Base (excluding Cash Working Capital)</b>	1,332,646,528	30,370,968	1,302,275,560	(127,081,797)	1,175,193,763						
246												
247												
248	Operating Revenues - Sale of Electricity	554,150,679	0	554,150,679	(53,750,470)	500,400,208					Direct	
249	Operating Revenues - Wholesale Sales of Electricity	5,037,085	5,037,085	0	0	0					Direct	
250	Provision for Rate Refund	(1,102,336)	(1,102,336)	0	0	0						
251												
252	<b>Non-Firm Sales:</b>											
253	Demand Related	0	0	0	0	0						
254	Energy Related	47,008,914	658,125	46,350,789	(3,983,185)	42,357,604					EAF	
255	Unallocated	0	0	0	0	0						
256	<b>Total Non-Firm Sales</b>	47,008,914	658,125	46,350,789	(3,983,185)	42,357,604						
257												
258	<b>Other Operating Revenues</b>											
259	450-Forfeited Discounts	4,111,894	0	4,111,894	0	4,111,894					SPECIFIC	
260	451-Miscellaneous Service Revenues	785,136	0	785,136	0	785,136					SPECIFIC	





SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description	KPCo TOTAL COMPANY PER BOOKS		NON-KY P.S.C JURIS	KENTUCKY PSC JURIS ONLY	GOING LEVEL ADJUSTMENTS	ADJUSTED KY PSC JURIS	ALLOCATOR
		(2)	(3)					
316	555-Purchased Power Expense Demand	54,222,498	813,337	53,409,161	0	53,409,161		PDAF
317	555-Purchased Power Expense Energy	98,406,830	1,344,323	97,062,507	5,136,556	102,199,063		EAF
318	556-Sys Control & Load Dispatching	580,290	8,705	571,585	0	571,585		PDAF
319	557- Other Expenses	1,487,878	22,318	1,465,560	0	1,465,560		PDAF
320	<b>Total Other Power Supply Expense</b>	154,697,495	2,188,682	152,508,813	5,136,556	157,645,369		
321								
322	<b>Total Production O&amp;M Expense</b>	310,680,317	4,403,591	306,276,726	(475,668)	305,801,058		
323								
324	<b>Transmission Expense</b>							
325	560-Supervision & Engineering	1,471,898	22,078	1,449,820	0	1,449,820		GP-TRANS
326	561-Load Dispatching - Company	847,492	12,712	834,780	69,117	903,897		GP-TRANS
327	561-Load Dispatching - PJM	1,412,838	21,192	1,391,646	0	1,391,646		GP-TRANS
328	562-Station Equipment	238,027	3,570	234,457	0	234,457		GP-TRANS
329	563-Overhead Lines	161,807	2,427	159,380	0	159,380		GP-TRANS
330	564-Underground Lines	0	0	0	0	0		GP-TRANS
331	565 LSE Transmission Purchases	27,040,523	0	27,040,523	528,754	27,569,277		SPECIFIC
332	565 LSE Transmission Purchases - Retail Energy	0	0	0	0	0		SPECIFIC
333	565 Transmission by Others	118,610	1,780	116,830	0	116,830		GP-TRANS
334	565 Transmission Purchases - Non-Juris	24,061	24,061	0	0	0		Direct
335	566-Misc Transmission	1,413,205	21,198	1,392,007	498	1,392,505		GP-TRANS
336	567-Rents	42,535	638	41,897	0	41,897		GP-TRANS
337	<b>Total Transmission Operation Expense</b>	32,770,997	109,657	32,661,340	598,369	33,259,709		
338								
339	<b>Transmission Maintenance</b>							
340	568-Supervision & Engineering	24,937	374	24,563	0	24,563		GP-TRANS
341	569-Structures	144,440	2,167	142,273	0	142,273		GP-TRANS
342	570-Station Equipment	728,635	10,929	717,706	0	717,706		GP-TRANS
343	571-Overhead Lines	1,862,826	27,942	1,834,884	(1,659)	1,833,225		GP-TRANS
344	572-Underground Lines	171	3	168	0	168		GP-TRANS
345	573-Misc Transmission Expenses	456,560	6,849	449,711	0	449,711		GP-TRANS
346	575- PJM Admin	1,007,370	15,111	992,259	49,489	1,041,748		GP-TRANS
347	<b>Total Transmission Maintenance Expense</b>	4,224,938	63,374	4,161,564	47,830	4,209,394		
348								
349	<b>Total Transmission O&amp;M Expense</b>	36,995,935	173,031	36,822,904	646,199	37,469,103		
350								
351	<b>Distribution Expense</b>							
352	580-Supervision & Engineering	700,697	700	699,997	(4,983)	695,014		GP-DIST
353	581-Load Dispatching	2,200	3	2,197	0	2,197		GP-DIST
354	582-Station Equipment	246,969	247	246,722	0	246,722		GP-DIST
355	583-Overhead Lines	977,496	977	976,519	48,146	1,024,665		GP-DIST
356	584-Underground Lines	123,189	123	123,066	(392)	122,674		GP-DIST
357	585-Street & Area Lighting	203,621	204	203,417	(276)	203,141		GP-DIST
358	586-Meters	1,066,179	1,066	1,065,113	(15,430)	1,049,683		GP-DIST
359	587-Customer Installations	149,687	149	149,538	(5,909)	143,629		GP-DIST
360	588-Misc Distribution	3,797,116	3,797	3,793,319	(87,212)	3,706,107		GP-DIST
361	589-Rents	1,712,816	1,712	1,711,104	0	1,711,104		GP-DIST
362	<b>Total Distribution Operation</b>	8,979,971	8,979	8,970,992	(66,057)	8,904,935		
363								
364	590-Supervision & Engineering	4,100	4	4,096	4	4,100		GP-DIST
365	591-Structures	27,623	28	27,595	0	27,595		GP-DIST
366	592-Station Equipment	430,468	431	430,037	0	430,037		GP-DIST
367	593-Overhead Lines	36,512,512	36,513	36,475,999	(6,877,536)	29,598,463		GP-DIST
368	5930010 Storm Expense Amortization	2,429,200	2,429	2,426,771	1,470,524	3,897,295		GP-DIST
369	593-Forestry Direct Assigned	744,215	744	743,471	0	743,471		GP-DIST
370	594-Underground Lines	86,226	86	86,140	(2,085)	84,055		GP-DIST

SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description	KPCo TOTAL COMPANY PER BOOKS		NON-KY P.S.C JURIS	KENTUCKY PSC JURIS ONLY	GOING LEVEL ADJUSTMENTS	ADJUSTED KY PSC JURIS	ALLOCATOR
		(2)	(3)					
371	595-Line Transformers	52,738	53	52,685	(1,520)	51,165	GP-DIST	
372	596-Street & Area Lighting	25,239	25	25,214	(346)	24,868	GP-DIST	
373	597-Meters	77,731	78	77,653	168	77,821	GP-DIST	
374	598-Misc Distribution Plant	61,212	62	61,150	(607)	60,543	GP-DIST	
375	<b>Total Distribution Maintenance</b>	40,451,262	40,451	40,410,811	(5,411,398)	34,999,413		
376								
377	<b>Total Distribution Expense</b>	49,431,233	49,430	49,381,803	(5,477,455)	43,904,348		
378		71,857,790	499,299	71,358,491	(7,252,603)	64,105,889		
379	<b>Customer Accounts Expense</b>							
380	901-Supervision & Engineering	202,238	2	202,236	(6,108)	196,128	CUST	
381	902-Meter Reading	367,494	5	367,489	(7,028)	360,461	CUST	
382	903-Customer Records & Collection Expense	5,356,319	64	5,356,255	(22,122)	5,334,133	CUST	
383	9040000-Uncollectable Accounts	0	0	0	0	0	CUST	
384	9040007-Uncollectible Misc Receivables	(175,140)	(3)	(175,137)	0	(175,137)	CUST	
385	905-Misc Customer Accounts	16,984	0	16,984	(61)	16,923	CUST	
386	<b>Total Customer Accounts</b>	5,767,895	68	5,767,827	(35,319)	5,732,508		
387								
388	<b>Customer Information Expense</b>							
389	907-Supervision	126,229	2	126,227	(1,950)	124,277	CUST	
390	908-Customer Assistance	8,246,128	7	8,246,121	(7,628,181)	617,940	CUST	
391	909-Information & Instruction	43,337	1	43,336	(35,784)	7,552	CUST	
392	910-Misc Customer Service	154,386	2	154,384	(4,324)	150,060	CUST	
393	<b>Total Customer Information</b>	8,570,080	12	8,570,068	(7,670,239)	899,829		
394								
395	<b>Customer Service</b>							
396	911-Supervision	165	0	165	0	165	CUST	
397	912-Demo & Selling	60,568	1	60,568	(4,300)	56,268	CUST	
398	913-Advertising	34,802	0	34,801	(25,545)	9,256	CUST	
399	916-Misc SALES Expense	0	0	0	0	0	CUST	
400	<b>Total Customer Service</b>	95,535	1	95,534	(29,845)	65,688		
401								
402	<b>Administrative &amp; General Expense</b>							
403	920-Salaries	9,404,009	131,656	9,272,353	(42,828)	9,229,524	A&G	
404	921-Office Supplies	709,307	9,930	699,376	1,194	700,571	A&G	
405	922-Administrative Expense Transferred	(1,358,470)	(19,019)	(1,339,452)	15,697	(1,323,755)	A&G	
406	923-Outside Services	1,294,385	18,121	1,276,264	0	1,276,264	A&G	
407	924-Property Insurance	735,807	10,301	725,506	0	725,506	A&G	
408	925-Injuries & Damages	2,128,131	29,794	2,098,337	(308)	2,098,029	A&G	
409	926-Employee Pension & Benefits	3,396,604	47,552	3,349,051	532,958	3,882,010	A&G	
410	9260057 Post Ret Medicare Subsidy Direct	0	0	0	0	0	A&G	
411	927-Franchise Requirements	140,985	1,974	139,012	0	139,012	A&G	
412	928-Regulatory Commission Expense Allocated	112	(0)	112	0	112	SPECIFIC	
413	928- Rate Case Expense	951,697	243	951,455	374,485	1,325,939	SPECIFIC/PDAF	
414	930.1-General Advertising Expense	142,675	1,997	140,678	(31,925)	108,753	A&G	
415	930.2-Misc General Expense	501,127	7,016	494,111	(8,288)	485,823	A&G	
416	931-Rent	354,328	4,961	349,368	5,909	355,277	A&G	
417	<b>Total Admin &amp; General Operation</b>	18,400,697	244,527	18,156,170	846,894	19,003,064		
418								
419	935-Admin & General Maintenance	2,005,596	28,078	1,977,518	3,419	1,980,937	A&G	
420	9350015 - Software License Deferral	717,575	10,046	707,529	0	707,529	A&G	
421	<b>Total Admin &amp; General Expense</b>	21,123,869	282,651	20,841,218	850,314	21,691,531		
422								
423	<b>Total Operation &amp; Maint Exp</b>	432,664,863	4,908,784	427,756,079	(12,192,014)	415,564,065	<b>0.989</b>	
424								
425	<b>Subtotal O&amp;M Labor - OML</b>	141,355,646	1,147,414	140,208,232	(17,895,426)	127,830,827	<b>0.992</b>	

SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description	KPCo TOTAL COMPANY PER BOOKS		NON-KY P.S.C JURIS		KENTUCKY PSC JURIS ONLY		GOING LEVEL ADJUSTMENTS		ADJUSTED KY PSC JURIS		ALLOCATOR
		(2)	(3)	(4)	(5)	(6)						
426												
427	<b>Cash Working Capital</b>											
428	Total Power Production Expense	48,950,441	680,304	48,270,137	(475,668)	47,794,469						
429	Total Transmission Expense	36,995,935	173,031	36,822,904	646,199	37,469,103						
430	Total Distribution Expense	49,431,233	49,430	49,381,803	(5,477,455)	43,904,348						
431	Total Customer Related Expense	14,433,509	81	14,433,429	(7,735,404)	6,698,025						
432	Total Admin. & General Expense	21,123,969	282,651	20,841,218	850,314	21,691,531						
433	<b>Subtotal</b>	170,934,987	1,185,497	169,749,490	(12,192,014)	157,557,476						
434	<b>Total Cash Working Capital</b>	21,366,873	148,187	21,218,686	(1,524,002)	19,694,685						
435												
436	<b>Depreciation Expense</b>											
437	Production	35,291,156	534,586	34,756,570	(4,325,236)	30,431,334						PDAF
438	Transmission Excl. GSU's	15,098,502	226,478	14,872,024	52,403	14,924,427						GP-TRANS
439	Transmission - GSU's	219,205	3,288	215,917	0	215,917						PDAF
440	Distribution	27,108,368	27,108	27,081,260	513,467	27,594,727						GP-DIST
441	General	1,724,994	25,875	1,699,119	81,279	1,780,398						GP-PTD
442	<b>Total Depreciation Expense</b>	79,442,224	817,334	78,624,890	(3,678,087)	74,946,803						
443												
444	<b>Amortization Expense</b>											
445	Intangible Plant	3,236,898	48,554	3,188,344	0	3,188,344						GP-PTD
446	Production Plant	0	0	0	0	0						PDAF
447	Transmission Plant	38,616	579	38,037	0	38,037						GP-TRANS
448	Distribution Plant	0	0	0	0	0						GP-DIST
449	General Plant	108,997	1,635	107,362	0	107,362						GP-PTD
450	<b>Total Amortization Expense</b>	3,384,510	50,767	3,333,743	0	3,333,743						
451												
452	<b>Regulatory Debits</b>											
453	Reg Debits - 4073000	2,251,306	3,958	2,247,348	(1,987,451)	259,897						GP-TRANS
454	<b>Total Regulatory Debits</b>	2,251,306	3,958	2,247,348	(1,987,451)	259,897						
455												
456	<b>Total Depreciation &amp; Amortization Expense</b>	85,078,041	872,060	84,205,981	(5,665,536)	78,540,443						
457												
458	<b>Taxes Other than F.I.T.</b>											
459	<b>Current Payroll Taxes</b>											
460	FICA	1,979,776	15,838	1,963,938	(31,025)	1,932,913						Labor - OML
461	Fed Unemployment	11,437	91	11,346	0	11,346						Labor - OML
462	State Unemployment	24,232	193	24,039	0	24,039						Labor - OML / SPECIFIC
463	<b>Total Payroll Related Tax</b>	2,015,446	16,123	1,999,323	(31,025)	1,968,298						
464												
465	Real and Personal Property Tax	13,764,749	(70,068)	13,834,817	744,411	14,579,228						GP-TOT
466	Municipal License	745	11	734	0	734						GP-TOT
467	P.S.C.	1,128,601	(0)	1,128,601	(1,801)	1,126,800						SPECIFIC
468	Sales & Use	11,650	82	11,568	78,776	90,344						GP-T&D
469	Regis Fee	80	0	80	0	80						SPECIFIC
470	State Business Occup Taxes	4,267,742	29,874	4,237,868	0	4,237,868						GP-T&D
471	Gross Receipts Tax	(58,848)	0	(58,848)	0	(58,848)						SPECIFIC
472	Business Franchise Taxes	0	0	0	0	0						SPECIFIC
473	Federal Excise	6,604	53	6,551	0	6,551						Labor - OML
474	Taxes on Capital Leases	468,834	7,033	461,801	0	461,801						GP-PTD
475	<b>Total Taxes Other than F.I.T.</b>	21,605,602	(16,893)	21,622,495	790,361	22,412,856						
476												
477	AFUDC Offset - Production	(558,625)	(8,379)	(550,246)	(561,041)	(1,111,287)						PDAF
478	AFUDC Offset - Transmission	(284,616)	(4,269)	(280,347)	0	(280,347)						GP-TRANS
479	AFUDC Offset - Distribution	(350,231)	(350)	(349,881)	0	(349,881)						GP-DIST
480	AFUDC Offset - General	(39,062)	(585)	(38,477)	0	(38,477)						GP-PTD

SECTION V  
SCHEDULE 4

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line No.	Description (1)	KPCo TOTAL COMPANY PER BOOKS		NON-KY P.S.C JURIS (3)	KENTUCKY PSC JURIS ONLY (4)	GOING LEVEL ADJUSTMENTS (5)	ADJUSTED KY PSC JURIS (6)	ALLOCATOR
		(2)	(2)					
481								
482	Interest On Customer Deposits	110,400	0	0	110,400	67,254	177,654	SPECIFIC
483								
484	<b>Other Expense Items</b>	(1,007,178)	(1,001,860)	(1,001,860)	(5,318)	0	(5,318)	SPECIFIC
485	G/L Disp. Of Util Plant Gain Disp. Of Util Plant 4116000	0	0	0	0	0	0	Direct
486	Loss Disp. Of Util Plant 4117000	(179,213)	(2,509)	(2,509)	(176,704)	91,240	(85,464)	EAF
487	G/L Disp. Of Allowances 411 8	897,859	13,468	13,468	884,391	(109,495)	774,896	PDAF
488	Accretion 4111005	2,852,492	1,215,902	1,215,902	1,636,590	0	1,636,590	SPECIFIC
489	A/R Factoring	(18,349)	(312)	(312)	(18,037)	0	(18,037)	NP
490	Acct 4190005	68,216	1,160	1,160	67,056	0	67,056	NP
491	Acct 4300003	984,033	613,122	613,122	370,911	0	370,911	NP
492	4310007-Other Interest Expense							
493	<b>Total Other</b>	3,597,859	838,971	838,971	2,768,889	(18,255)	2,740,634	
494								
495								
496	<b>Income Taxes</b>							
497	Current/Deferred State Income Tax	(2,593,601)	(2,802,908)	(2,802,908)	209,307	(1,173,121)	(963,814)	Direct
498	Current Federal Income Taxes	4,962,524	6,038,900	6,038,900	(1,076,376)	(13,827,728)	(14,904,104)	Direct
499	Deferred Federal Income Taxes	17,284,111	(3,811,465)	(3,811,465)	21,095,576	(1,470,978)	19,624,598	Direct
500	Deferred Investment Tax Credit	(2,362)	(35)	(35)	(2,327)	0	(2,327)	Direct
501	ITC Adjustment	0	0	0	0	0	0	Direct
502	<b>Total Income Taxes</b>	19,650,672	(575,508)	(575,508)	20,226,180	(16,471,827)	3,754,353	



















SECTION V  
 SCHEDULE 5

KENTUCKY POWER COMPANY  
 JURISDICTIONAL COST OF SERVICE  
 TEST YEAR ENDED FEBRUARY 28, 2017

Line	1	2	3	4	5	6	7	8	9	10	11	12	
No.	Description	Capacity Charge Revenues Rockport Unit Power Agreement	Decommissioning Rider Removal	Env Surcharge - Remove Mitchell FGD Expenses	Remove FGD Plant and M&S from Rate Base (Mitchell)	Environmental Surcharge Revenue Sync - remove FGD revenue, sync non- FGD revenue, remove deferrals	Big Sandy Unit 1 Operation Rider Deferrals	Fuel Under (Over) Revenue & Expense	System Sales Clause - reset OSS Margin Baseline	PPA Rider Sync	Remove DSM Rider	Remove HEAP Surcharge	Remove Economic Development Surcharge
445	Regulatory Debits												
447	Reg Debits - 4073000	(1,987,451)	(1,987,451)	0	0	0	0	0	0	0	0	0	
448	Total Regulatory Debits	(1,987,451)	(1,987,451)	0	0	0	0	0	0	0	0	0	
449													
450	Total Depreciation & Amortization Expense	(5,665,538)	(1,987,451)	(9,192,378)	0	42,028	347,890	0	0	0	0	0	
451													
452	Taxes Other than F.I.T.												
453	Current Payroll Taxes												
454	FICA	(31,025)	0	0	0	0	0	0	0	0	0	0	
455	Fed Unemployment	0	0	0	0	0	0	0	0	0	0	0	
456	State Unemployment	0	0	0	0	0	0	0	0	0	0	0	
457	Total Payroll Related Tax	(31,025)	0	0	0	0	0	0	0	0	0	0	
458													
459	Real and Personal Property Tax	744,411	0	(188,103)	0	(4,282)	341,289	0	0	0	0	0	
460	Municipal License	0	0	0	0	0	0	0	0	0	0	0	
461	P.S.C.	(1,801)	0	0	0	0	0	0	0	0	0	0	
462	Sales & Use	78,776	0	0	0	0	0	0	0	0	0	0	
463	Regis Fee	0	0	0	0	0	0	0	0	0	0	0	
464	State Business Occup Taxes	0	0	0	0	0	0	0	0	0	0	0	
465	Gross Receipts Tax	0	0	0	0	0	0	0	0	0	0	0	
466	Business Franchise Taxes	0	0	0	0	0	0	0	0	0	0	0	
467	Federal Excise	0	0	0	0	0	0	0	0	0	0	0	
468	Taxes on Capital Leases	0	0	0	0	0	0	0	0	0	0	0	
469	Total Taxes Other than F.I.T.	790,361	0	(188,103)	0	(4,282)	341,289	0	0	0	0	0	
470													
471	AFUDC Offset - Production	(561,041)	0	0	0	0	0	0	0	0	0	0	
472	AFUDC Offset - Transmission	0	0	0	0	0	0	0	0	0	0	0	
473	AFUDC Offset - Distribution	0	0	0	0	0	0	0	0	0	0	0	
474	AFUDC Offset - General	0	0	0	0	0	0	0	0	0	0	0	
475	Interest On Customer Deposits	67,254	0	0	0	0	0	0	0	0	0	0	
476													
477	Other Expense Items	0	0	0	0	0	0	0	0	0	0	0	
478	G/L Disp. Of Util Plant Gain Disp. Of Util Plant 4116000	0	0	0	0	0	0	0	0	0	0	0	
479	Less Disp. Of Util Plant 4117000	91,240	0	0	0	91,240	0	0	0	0	0	0	
480	G/L Disp. Of Allowances 411.8	(109,495)	0	0	0	0	0	0	0	0	0	0	
481	Accretion 4110005	0	0	0	0	0	0	0	0	0	0	0	
482	AVR Factoring	0	0	0	0	0	0	0	0	0	0	0	
483	Acct 4190005	0	0	0	0	0	0	0	0	0	0	0	
484	Acct 4300003	0	0	0	0	0	0	0	0	0	0	0	
485	431-Other Interest Expense	0	0	0	0	0	0	0	0	0	0	0	
486	Total Other	(18,255)	0	0	0	91,240	0	0	0	0	0	0	
487													
488													
489	Income Taxes												
490	Current/Deferred State Income Tax	(1,173,121)	(966,793)	781,753	0	(2,199,865)	0	268,715	(527,196)	0	(182,074)	0	
491	Current Federal Income Taxes	(13,827,728)	(5,422,002)	4,384,255	0	(12,337,363)	0	1,507,015	(2,956,637)	0	(1,021,114)	0	
492	Deferred Federal Income Taxes	(1,470,978)	672,242	0	0	281,710	1,516,866	(774,180)	(60,856)	(130,390)	(841,343)	0	
493	Deferred Investment Tax Credit	0	0	0	0	0	0	0	0	0	0	0	
494	ITC Adjustment	0	0	0	0	0	0	0	0	0	0	0	
495	Total Income Taxes	(16,471,827)	(2,483,138)	5,166,008	0	(14,255,518)	1,516,866	1,001,550	(3,544,689)	(130,390)	(2,044,531)	0	





















SECTION V  
 SCHEDULE 5

KENTUCKY POWER COMPANY  
 JURISDICTIONAL COST OF SERVICE  
 TEST YEAR ENDED FEBRUARY 28, 2017

Line	13	14	15	16	17	18	19	20	21	22	23	24	25	
No.	Description	Customer Migration	Customer Annualization	Weather Normalization	O&M Expense Interest on Customer Deposits	Normalization Major Storms	Amortization Storm Cost Deferral	Rate Case Expense	Postage Rate Expense	Eliminate Advertising Expense	Annualization of Lease Costs	Pension and OPEB Expense	Employee Related Group Benefit Expenses	Remove PJM BLIs from base for FAC inclusion
445	Regulatory Debits													
446	Reg Debits - 4073000													
447	Total Regulatory Debits	0	0	0	0	0	0	0	0	0	0	0	0	0
448		0	0	0	0	0	0	0	0	0	0	0	0	0
449		0	0	0	0	0	0	0	0	0	0	0	0	0
450	Total Depreciation & Amortization Expense	0	0	0	0	0	0	0	0	0	0	0	0	0
451		0	0	0	0	0	0	0	0	0	0	0	0	0
452	Taxes Other than F.I.T.													
453	Current Payroll Taxes													
454	FICA	0	0	0	0	0	0	0	0	0	0	0	0	0
455	Fed Unemployment	0	0	0	0	0	0	0	0	0	0	0	0	0
456	State Unemployment	0	0	0	0	0	0	0	0	0	0	0	0	0
457	Total Payroll Related Tax	0	0	0	0	0	0	0	0	0	0	0	0	0
458		0	0	0	0	0	0	0	0	0	0	0	0	0
459	Real and Personal Property Tax	0	0	0	0	0	0	0	0	0	0	0	0	0
460	Municipal License	0	0	0	0	0	0	0	0	0	0	0	0	0
461	P.S.C.	0	0	0	0	0	0	0	0	0	0	0	0	0
462	Sales & Use	0	0	0	0	0	0	0	0	0	0	0	0	0
463	Regis Fee	0	0	0	0	0	0	0	0	0	0	0	0	0
464	State Business Occup Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0
465	Gross Receipts Tax	0	0	0	0	0	0	0	0	0	0	0	0	0
466	Business Franchise Taxes	0	0	0	0	0	0	0	0	0	0	0	0	0
467	Federal Excise	0	0	0	0	0	0	0	0	0	0	0	0	0
468	Taxes on Capital Leases	0	0	0	0	0	0	0	0	0	0	0	0	0
469	Total Taxes Other than F.I.T.	0	0	0	0	0	0	0	0	0	0	0	0	0
470		0	0	0	0	0	0	0	0	0	0	0	0	0
471	AFUDC Offset - Production	0	0	0	0	0	0	0	0	0	0	0	0	0
472	AFUDC Offset - Transmission	0	0	0	0	0	0	0	0	0	0	0	0	0
473	AFUDC Offset - Distribution	0	0	0	0	0	0	0	0	0	0	0	0	0
474	AFUDC Offset - General	0	0	0	0	0	0	0	0	0	0	0	0	0
475	Interest On Customer Deposits	0	0	0	67,254	0	0	0	0	0	0	0	0	0
476		0	0	0	0	0	0	0	0	0	0	0	0	0
477	Other Expense Items													
478	G/L Disp. Of Util Plant Gain Disp. Of Util Plant 4116000	0	0	0	0	0	0	0	0	0	0	0	0	0
479	Less Disp. Of Util Plant 4117000	0	0	0	0	0	0	0	0	0	0	0	0	0
480	G/L Disp. Of Allowances 411.8	0	0	0	0	0	0	0	0	0	0	0	0	0
481	Accretion 4110005	0	0	0	0	0	0	0	0	0	0	0	0	0
482	AVR Factoring	0	0	0	0	0	0	0	0	0	0	0	0	0
483	Acct 4190005	0	0	0	0	0	0	0	0	0	0	0	0	0
484	Acct 4300003	0	0	0	0	0	0	0	0	0	0	0	0	0
485	431-Other Interest Expense	0	0	0	0	0	0	0	0	0	0	0	0	0
486	Total Other	0	0	0	0	0	0	0	0	0	0	0	0	0
487		0	0	0	0	0	0	0	0	0	0	0	0	0
488		0	0	0	0	0	0	0	0	0	0	0	0	0
489	Income Taxes													
490	Current/Deferred State Income Tax	60,285	(78,853)	239,712	(3,951)	(35,006)	0	(22,122)	391	5,900	2,358	0	(25,215)	30,350
491	Current Federal Income Taxes	338,092	(442,229)	1,344,363	(22,156)	(196,324)	0	(124,067)	2,193	33,091	13,226	0	(141,409)	170,208
492	Deferred Federal Income Taxes	0	0	0	0	0	(306,107)	0	0	0	0	(52,038)	0	0
493	Deferred Investment Tax Credit	0	0	0	0	0	0	0	0	0	0	0	0	0
494	ITC Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
495	Total Income Taxes	388,377	(521,082)	1,584,075	(26,107)	(231,330)	(306,107)	(146,189)	2,584	38,991	15,584	(52,038)	(166,624)	200,558























KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
TEST YEAR ENDED FEBRUARY 28, 2017

Line	26	27	28	29	30	31	32-39	40	41	42	43	44	
No.	Description	Peaking Unit Equivalent	Forced Outage Adjustment	PJM LSE OATT Expense	Annualize PJM Admin Fees	NERC Compliance & Cyber Security	Severance Related Payroll Expenses	Total Incentive Compensation & Payroll Adjustments	Remove Non- Recoverable Business Expenses	Plant Maintenance Normalization	Annualization Depreciation/Amortization Expense	Update Big Sandy Unit 1 Depreciation Rates	ARO Depreciation Expense
445	Regulatory Debits												
446	Reg Debits - 4073000	0	0	0	0	0	0	0	0	0	0	0	0
447	Total Regulatory Debits	0	0	0	0	0	0	0	0	0	0	0	0
448		0	0	0	0	0	0	0	0	0	0	0	0
449		0	0	0	0	0	0	0	0	0	0	0	0
450	Total Depreciation & Amortization Expense	0	0	0	0	14,275	0	0	0	2,037,359	3,076,557	(3,818)	
451													
452	Taxes Other than F.I.T.												
453	Current Payroll Taxes												
454	FICA	0	0	0	0	0	2,363	(33,388)	0	0	0	0	0
455	Fed Unemployment	0	0	0	0	0	0	0	0	0	0	0	0
456	State Unemployment	0	0	0	0	0	0	0	0	0	0	0	0
457	Total Payroll Related Tax	0	0	0	0	0	2,363	(33,388)	0	0	0	0	0
458													
459	Real and Personal Property Tax	0	0	0	0	0	0	0	0	0	0	0	0
460	Municipal License	0	0	0	0	0	0	0	0	0	0	0	0
461	P.S.C.	0	0	0	0	0	0	0	0	0	0	0	0
462	Sales & Use	0	0	0	0	0	0	0	0	0	0	0	0
463	Regis Fee	0	0	0	0	0	0	0	0	0	0	0	0
464	State Business Occup Taxes	0	0	0	0	0	0	0	0	0	0	0	0
465	Gross Receipts Tax	0	0	0	0	0	0	0	0	0	0	0	0
466	Business Franchise Taxes	0	0	0	0	0	0	0	0	0	0	0	0
467	Federal Excise	0	0	0	0	0	0	0	0	0	0	0	0
468	Taxes on Capital Leases	0	0	0	0	0	0	0	0	0	0	0	0
469	Total Taxes Other than F.I.T.	0	0	0	0	0	2,363	(33,388)	0	0	0	0	0
470													
471	AFUDC Offset - Production	0	0	0	0	0	0	0	0	0	0	0	0
472	AFUDC Offset - Transmission	0	0	0	0	0	0	0	0	0	0	0	0
473	AFUDC Offset - Distribution	0	0	0	0	0	0	0	0	0	0	0	0
474	AFUDC Offset - General	0	0	0	0	0	0	0	0	0	0	0	0
475	Interest On Customer Deposits	0	0	0	0	0	0	0	0	0	0	0	0
476													
477	Other Expense Items												
478	G/L Disp. Of Util Plant Gain Disp. Of Util Plant 4116000	0	0	0	0	0	0	0	0	0	0	0	0
479	Less Disp. Of Util Plant 4117000	0	0	0	0	0	0	0	0	0	0	0	0
480	G/L Disp. Of Allowances 411.8	0	0	0	0	0	0	0	0	0	0	0	0
481	Accretion 4110005	0	0	0	0	0	0	0	0	0	0	0	0
482	AVR Factoring	0	0	0	0	0	0	0	0	0	0	0	0
483	Acct 4190005	0	0	0	0	0	0	0	0	0	0	0	0
484	Acct 4300003	0	0	0	0	0	0	0	0	0	0	0	0
485	Other Interest Expense	0	0	0	0	0	0	0	0	0	0	0	0
486	Total Other	0	0	0	0	0	0	0	0	0	0	0	0
487													
488													
489	Income Taxes												
490	Current/Deferred State Income Tax	(185,072)	(51,823)	(224,739)	(6,967)	3,111	1,943	21,165	876	16,115	0	0	0
491	Current Federal Income Taxes	(1,037,929)	(290,633)	(1,260,392)	(39,074)	17,446	10,894	118,698	4,913	90,377	0	0	0
492	Deferred Federal Income Taxes	0	0	0	0	(23,532)	0	174,772	0	0	(646,487)	(942,303)	1,336
493	Deferred Investment Tax Credit	0	0	0	0	0	0	0	0	0	0	0	0
494	ITC Adjustment	0	0	0	0	0	0	0	0	0	0	0	0
495	Total Income Taxes	(1,223,001)	(342,456)	(1,485,131)	(46,041)	(2,975)	12,837	314,635	5,789	106,492	(646,487)	(942,303)	1,336

SECTION V  
 SCHEDULE 5

KENTUCKY POWER COMPANY  
 JURISDICTIONAL COST OF SERVICE  
 TEST YEAR ENDED FEBRUARY 28, 2017

Line	26	27	28	29	30	31	32-39	40	41	42	43	44
	Peaking Unit Equivalent	Forced Outage Adjustment	PJM LSE OATT Expense	Annualize PJM Admin Fees	NERC Compliance & Cyber Security	Severance Related Payroll Expenses	Total Incentive Compensation & Payroll Adjustments	Remove Non- Recoverable Business Expenses	Plant Maintenance Normalization	Annualization Depreciation/Amortization Expense	Update Big Sandy Unit 1 Depreciation Rates	ARO Depreciation Expense
	0	0	0	0	67,233	0	(498,348)	0	0	2,037,359	3,076,557	(3,819)
	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	90.6615%	87.5100%	100.0000%

No. Description

Schedule M Adjustment --- Addback <Deduct>  
 Normalization %  
 State Income Tax Rate  
 Federal Income Tax Rate























KENTUCKY POWER COMPANY  
 ELECTRIC OPERATION & MAINTENANCE EXPENSE  
 TEST YEAR ENDED FEBRUARY 28, 2017

Acct No.	Expense	Total KPCo O&M Expense Per Books	Total O&M Payroll	A&G Excluding Regulation	Restated Expense	Demand	Energy	
<u>Power Production Expenses</u>								
<u>Steam Generation Expenses</u>								
500	Supervision & Engineering	3,594,883	654,659	468,371	4,063,254	4,063,254		PDFAF
501	Fuel	111,486,364	67,234	48,102	111,534,466		111,534,466	EAF
5010005	Fuel Expense Deferred	(2,385,816)	-	-	(2,385,816)		(2,385,816)	EAF
502	Steam Expense	6,346,770	736,405	526,856	6,873,626	2,337,033	4,536,593	PDFAF/EAF
505	Electric Expense	112,272	901	645	112,917	38,392	74,526	PDFAF/EAF
506	Misc Steam Power Expense	10,971,738	5,153,598	3,687,104	14,658,842	14,658,842		0 PDFAF
507	Rents	-	-	-	-	-		0 PDFAF
509	Allowances	390,803	-	-	390,803		390,803	EAF
<b>Total Steam Operation</b>		<b>130,517,015</b>	<b>6,612,797</b>	<b>4,731,078</b>	<b>135,248,093</b>	<b>21,097,521</b>	<b>114,150,572</b>	
<u>Steam Generation Maintenance</u>								
510	Supervision & Engineering	2,598,114	2,228,284	1,594,210	4,192,324	4,192,324		PDFAF
511	Maintenance of Structures	1,636,922	263,154	188,272	1,825,194	1,825,194		PDFAF
512	Maintenance of Boiler Plant	14,685,612	5,023,084	3,593,729	18,279,341	6,214,976	12,064,365	PDFAF/EAF
513	Maintenance of Electric Plant	4,710,893	1,370,195	980,296	5,691,189	5,691,189		PDFAF
514 & 515	Maintenance of Miscellaneous Steam	1,834,246	733,618	524,862	2,359,108	2,359,108		PDFAF
<b>Total Steam Generation - Maintenance</b>		<b>25,465,788</b>	<b>9,618,335</b>	<b>6,881,369</b>	<b>32,347,157</b>	<b>20,282,792</b>	<b>12,064,365</b>	
<b>Total Steam Power O &amp; M</b>		<b>155,982,803</b>	<b>16,231,132</b>	<b>11,612,447</b>	<b>167,595,250</b>	<b>41,380,313</b>	<b>126,214,937</b>	
Transmission Owner PJM Revenue		(60,425,243)	-	-	(60,425,243)	(60,425,243)		SPECIFIC
565	Trans by Others	118,610			118,610	118,610		GP-TRANS
LSE OATT Charges - Retail Demand 565&456		69,646,303			69,646,303	69,646,303		SPECIFIC
LSE OATT Charges - Retail Energy 565&456		566,356			566,356		566,356	SPECIFIC
Trans COS - Demand		8,805,371	58,145	41,599	8,846,970	8,846,970		GP-TRANS
Non-Jurisdictional		24,061			24,061			Non-KY P.S.C. Juris
<b>Transmission Expense</b>		<b>79,160,701</b>	<b>58,145</b>	<b>41,599</b>	<b>79,202,300</b>	<b>78,611,883</b>	<b>566,356</b>	
Regional Market Expenses		1,007,370	0	-	1,007,370	1,007,370		GP-TRANS
Distribution Operations Expense		8,979,971	3,477,610	2,488,031	11,468,002	8,979,971		GP-DIST
Distribution Maintenance Expense		40,451,262	6,382,917	4,566,612	45,017,874	40,451,262		GP-DIST
Customer Account Expense		5,767,895	1,386,556	992,001	6,759,896	5,767,895		CUST
Customer Services		8,570,080	658,852	471,371	9,041,451	8,570,080		CUST
Sales Expense		95,535			95,535	95,535		CUST
A & G Regulatory		951,809	0		951,809	951,809		SPECIFIC
A & G Other		20,172,060	1,853,966	(20,172,060)	-			Non-KY P.S.C. Juris
<b>Total Operating &amp; Maintenance Expense</b>		<b>260,714,241</b>	<b>30,049,178</b>	<b>1</b>	<b>260,714,242</b>	<b>125,390,874</b>	<b>126,781,293</b>	
<b>A&amp;G Allocators</b>						<b>0.497</b>	<b>0.503</b>	<b>1.000</b>
		Distribution Expense						
Operations			3	2				
Maintenance			58,142	41,597				
			58,145	41,599				

KENTUCKY POWER COMPANY  
JURISDICTIONAL COST OF SERVICE  
12 MONTHS ENDED FEBRUARY 28, 2017

KENTUCKY POWER COMPANY  
ENERGY & CAPACITY CHARGES  
TEST YEAR ENDED FEBRUARY 28, 2017

<u>Purchased Power</u>	<u>Energy</u>	<u>Capacity</u>	<u>Total</u>
Purchased	\$98,406,830	\$54,222,498	\$152,629,328
System Pool	<u>0</u>	<u>0</u>	<u>\$0</u>
Total Purchased Power	\$98,406,830	\$54,222,498	\$152,629,328
Less:			
System Sales / Resale	46,620,735	5,136,851	51,757,586
Exclude FERC RQ	(2,268,561)	(2,768,523)	(5,037,084)
System Sales/Resale's - Associated Companies	288,413	0	288,413
Transmission Charges	0	0	0
System Sales Clause	<u>5,313,052</u>	<u>0</u>	<u>5,313,052</u>
Total System Sales	49,953,639	2,368,328	52,321,967
Backup Energy	<u>0</u>	<u>0</u>	<u>0</u>
Total	\$48,453,191	\$51,854,170	\$100,307,361
	EAF	PDAF	
Allocated	47,774,846	51,076,357	98,851,203
System Sales Adjusted	49,254,288	2,332,803	
	EAF	PDAF	

KENTUCKY POWER COMPANY  
TEST YEAR ENDED FEBRUARY 28, 2017

SECTION V  
SCHEDULE 8

MONTHLY BOOK CREDITS  
ALLOWANCE FOR FUNDS USED DURING CONSTRUCTION (AFUDC) - CREDITS

LINE NO. (1)	MONTH (2)	Production		Transmission		Distribution		General Plant		Total		Total AFUDC (13)	Monthly Debt Rate Applicable (14)	Monthly Equity Rate Applicable (15)
		432 Borrowed (3)	419 Other (4)	432 Borrowed (5)	419 Other (6)	432 Borrowed (7)	419 Other (8)	432 Borrowed (9)	419 Other (10)	432 Borrowed (11)	419 Other (12)			
1	March 2016	\$83,464	\$119,397	\$9,435	\$13,530	\$15,855	\$22,681	\$1,078	\$1,543	\$109,832	\$157,150	\$266,982	0.191708%	0.274358%
2	April 2016	\$52,566	\$68,167	\$10,811	\$14,644	\$14,735	\$19,924	\$549	\$742	\$78,660	\$103,477	\$182,137	0.175025%	0.237080%
3	May 2016	\$59,075	\$91,263	\$14,789	\$22,724	\$18,037	\$27,855	\$578	\$888	\$92,479	\$142,730	\$235,209	0.229288%	0.352314%
4	June 2016	(\$1,305)	(\$2,099)	\$11,389	\$15,781	\$12,916	\$17,821	\$533	\$742	\$23,535	\$32,246	\$55,781	0.189157%	0.263248%
5	July 2016	\$1,169	\$498	\$2,570	(\$20)	\$5,283	\$2,448	\$247	\$124	\$9,269	\$3,051	\$12,320	0.086018%	0.043080%
6	August 2016	\$2,920	\$3,602	(\$8,002)	(\$13,386)	\$9,148	\$11,401	\$725	\$892	\$4,791	\$2,509	\$7,301	0.160828%	0.197940%
7	September 2016	\$2,765	\$4,748	\$13,260	\$20,425	\$13,889	\$21,465	\$1,344	\$2,080	\$31,258	\$48,718	\$79,975	0.239971%	0.369621%
8	October 2016	\$2,694	\$3,840	\$12,291	\$17,405	\$10,758	\$15,188	\$1,548	\$2,189	\$27,290	\$38,622	\$65,912	0.204150%	0.289099%
9	November 2016	\$5,017	\$6,864	\$13,073	\$17,943	\$9,234	\$12,594	\$1,747	\$2,399	\$29,072	\$39,800	\$68,872	0.194644%	0.267222%
10	December 2016	\$5,524	\$5,880	\$9,281	\$10,296	\$8,108	\$9,071	\$1,738	\$1,959	\$24,651	\$27,205	\$51,857	0.149902%	0.168957%
11	January 2017	\$5,135	\$7,285	\$11,051	\$14,670	\$14,045	\$18,895	\$2,760	\$3,716	\$32,992	\$44,566	\$77,558	0.195102%	0.262412%
12	February 2017	\$11,873	\$18,281	\$19,974	\$30,683	\$15,279	\$23,598	\$3,527	\$5,418	\$50,653	\$77,980	\$128,633	0.240951%	0.370090%
13	TOTAL	\$230,899	\$327,726	\$119,922	\$164,694	\$147,289	\$202,942	\$16,373	\$22,690	\$514,483	\$718,053	\$1,232,536		

KPCO DEMAND ALLOCATION FACTORS

LINE NO.	DESCRIPTION	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
		MAR 3, 2016	APR 10, 2016	MAY 31, 2016	JUN 16, 2016	JUL 25, 2016	AUG 9, 2016	SEP 8, 2016	OCT 19, 2016	NOV 22, 2016	DEC 16, 2016	JAN 9, 2017	FEB 4, 2017	TOTAL / AVERAGE
3	Kentucky Peaks - Max. Load (MW) *	1,018.000	894.000	892.000	995.000	1,037.000	1,044.000	983.000	783.000	1,030.000	1,160.000	1,214.000	1,131.000	12,181.000
4														1,015.083
5	System Sales Excluding Losses	0.000	0.000	0.000	141.600	388.500	0.000	351.900	261.300	452.100	319.600	0.000	0.000	1,915.000
6	Loss %	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341
7	System Sales Including Losses	0.000	0.000	0.000	146.432	401.758	0.000	363.909	270.217	467.528	330.507	0.000	0.000	1,980.351
														165.029
8	Remove - Kentucky Electric Steel Load	3	3	1	2	2	3	2	2	4	2	2	2	2
9	Loss %	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341
10	Remove - Kentucky Electric Steel Load	3.102	3.102	1.034	2.068	2.068	3.102	2.068	2.068	4.137	2.068	2.068	2.068	28.953
														2.413
11	Kentucky Internal Peak Load	1,014.898	890.898	890.966	988.100	1,021.674	1,040.898	968.923	772.015	1,010.435	1,147.025	1,211.932	1,128.932	12,086.696
12														1,007.225
	<u>Municipals (FERC Jurisdiction)</u>													
13	Olive Hill, Excluding Losses	3.940	3.512	3.753	4.323	4.663	4.716	4.337	3.021	3.925	5.151	5.154	4.733	51.228
14	Loss %	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552	1.0552
15	Olive Hill, Including Losses	4.157	3.706	3.960	4.562	4.920	4.976	4.576	3.188	4.142	5.435	5.439	4.994	54.055
16														4.505
17	Vanceburg, Excluding Losses	9.721	8.949	9.152	10.351	11.227	10.928	10.634	7.754	9.818	12.221	11.486	10.718	122.959
18	Loss %	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341	1.0341
19	Vanceburg, Including Losses	10.053	9.254	9.464	10.704	11.610	11.301	10.997	8.019	10.153	12.638	11.878	11.084	127.155
20														10.596
21	Total Municipals Including Losses	14.21	12.96	13.42	15.27	16.53	16.28	15.57	11.21	14.30	18.07	17.32	16.08	181.210
22														15.101
23	<u>Allocation Factor (FERC Jurisdictional)</u>													
24	Retail (KY Jurisdictional) Load	1,000.69	877.94	877.54	972.83	1,005.14	1,024.62	953.35	760.81	996.14	1,128.95	1,194.62	1,112.85	11,905.486
25														992.124
26	<u>Allocation Factor (KPSC Jurisdictional)</u>													

\* Kentucky Power Company Internal Load plus System Sales at time of Internal Peak.



**KPCO ENERGY ALLOCATION FACTORS**

LINE NO. (1)	ENERGY LOSS CALCULATIONS (2)	MWH (3)	% LOSS FACTOR (4)	MWH LOSSES (5)	MWH W / LOSSES (6)	CITY OF VANCEBURG (7)	CITY OF HAMILTON (8)	TOTAL Non Retail Jurisdiction (9)	TOTAL RETAIL (10)
1	Transmission - Sales for Resale	1,349,938	3.41%	46,033	1,395,971				
2	Firm Sales - Vanceburg	58,619	3.41%	1,999	60,618				
3	Distribution - Firm Sales - Olive Hill	23,064	5.55%	1,281	24,345				
4	Sources of Energy								
5	Generation	4,015,884	0	4,015,884					
6	Purchases	3,498,858	0	3,498,858					
7	Net Interchange	0	0	0					
	Total Sources	7,514,742	0	7,514,742					
8	Disposition of Energy								
9	Sales / Ultimate Customers	5,639,148	0	5,639,148					
10	Kentucky Electric Steel - loss of load	(18,478)	0	(18,478)					
11	Sales for Resale	1,349,938	1,349,938	0					
12	Firm Sales (Mun.) - Olive Hill	23,064	0	23,064					
13	Firm Sales (Mun.) - Vanceburg	58,619	0	58,619					
14	Total Sales / Resale (LINES 10+11+12)	1,431,621	1,349,938	81,683	23,064	58,619	0	81,683	0
15	Energy Losses	462,451	46,033	416,418	1,281	1,999	0	3,280	413,138
16	Total Disposition (LINES 8+9+13+14)	7,514,742	1,395,971	6,118,771	24,345	60,618	0	84,963	6,033,808
	Allocation Factor			1.000				0.014	0.986

KENTUCKY POWER COMPANY  
TEST YEAR ENDED FEBRUARY 28, 2017

KPCO JURISDICTIONAL ALLOCATION FACTORS

<b>LINE NO. (1)</b>	<b><u>DESCRIPTION</u> (2)</b>	<b><u>FACTOR</u> (3)</b>	<b><u>RETAIL</u> (4)</b>	<b><u>SOURCE</u> (5)</b>
1	Production Demand	PDAF	0.985	Sch 9
2	Transmission Demand	TDAF	0.985	Sch 9
3	Energy	EAF	0.986	Sch 10
4	Gross Plant Transmission	GP-TRANS	0.985	Sch 4, Line 167
5	Gross Plant Distribution	GP-DIST	0.999	Sch 4, Line 169
6	Gross Plant - T&D	GP-T&D	0.993	Sch 4, Line 171
7	Gross Plant - PTD	GP-PTD	0.985	Sch 4, Line 175
8	Gross Plant - Total	GP-TOT	0.985	Sch 4, Line 173
9	Net Plant	NP	0.983	Sch 4, Line 39
10	O&M Expense	O&M	0.989	Sch 4, Line 423
11	O&M Labor	OML	0.992	Sch 4, Line 425
12	Operating Revenue	OP-REV	0.992	Sch 4, Line 287
13	SPECIFIC	SPECIFIC	1.000	N/A
14	Customers	CUST.	1.000	N/A
15	A&G	A&G	0.986	Schedules 6, 9 and 10

