

Formula Rate - Non-Levelized

Rate Formula Template
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)

For the 12 months ended 12/31/2019

East Kentucky Power Cooperative, Inc.

Line No.			Total	Allocator	Allocated Amount
1	GROSS REVENUE REQUIREMENT (page 3, line 29)				\$ 83,187,144
	REVENUE CREDITS	Note A			
2	Account No. 454	(page 4, line 34)	\$ 171,399	TP 1.00000	\$ 171,399
3	Account No. 456.1 (Net of Revenues from Grandfathered Transactions)	(page 4, line 35)	246,212	TP 0.95260	234,541
4	Revenues from Grandfathered Transactions	Note B	106,775	TP 0.95260	101,713
5	Revenues from service provided by the ISO at a discount		0	TP 0.95260	0
5a	Transmission Enhancement Credit		0	TP 0.95260	0
6	TOTAL REVENUE CREDITS (sum lines 2-5b)				\$ 507,654
6a	True-up Adjustment	Note C			\$ -
7	NET REVENUE REQUIREMENT	(line 1 minus line 6 plus line 6a)			<u>82,679,490</u>
	DIVISOR				
8	1 CP	Note D			3,048,641
9	12 CP	Note E			2,441,046
10	Reserved				
11	Reserved				
12	Reserved				
13	Reserved				
14	Reserved				
15	Annual Cost (\$/kW/Yr) - 1 CP	(line 7 / line 8)	\$27.120		
16	Annual Cost (\$/kW/Yr) - 12 CP	(line 7 / line 9)	\$33.871		
17	Network Rate (\$/kW/Mo)	(line 15 / 12)	\$2.260		
17a	Point-To-Point Rate (\$/kW/Mo)	(line 16 / 12)	\$2.823		
			<u>On-Peak Rate</u>		<u>Off-Peak Rate</u>
18	Point-To-Point Rate (\$/kW/Wk)	(line 16 / 52; line 16 / 52)	\$0.651		
19	Point-To-Point Rate (\$/kW/Day)	(line 16 / 260; line 16 / 365)	\$0.130 rped at weekly rate		\$0.093
20	Point-To-Point Rate (\$/MWh)	(line 16 / 4,160; line 16 / 8,760 * 1000)	\$8.142 at weekly and daily rate		\$3.867

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East Kentucky Power Cooperative, Inc.

Line No.	(1) RATE BASE	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col. 3 times Col. 4)
GROSS PLANT IN SERVICE					
1	Production	204.46.g	\$ 3,078,868,723	NA	
2	Transmission	206.58.g	650,441,344	TP 0.95260	\$ 619,610,211
3	Distribution	206.75.g	248,454,647	NA	
4	General & Intangible	204.5.g & 206.90.g	147,170,742	W/S 0.16747	24,647,357
5	Common		0	CE 0.00000	0
6	TOTAL GROSS PLANT (sum lines 1-5)		\$ 4,124,935,456	GP= 15.619%	\$ 644,257,568
ACCUMULATED DEPRECIATION					
7	Production	219.20-24.c	\$ 1,178,306,078	NA	
8	Transmission	219.25.c	198,876,312	TP 0.95260	\$ 189,449,510
9	Distribution	219.26.c	73,908,280	NA	
10	General & Intangible	219.28.c	107,463,926	W/S 0.16747	17,997,475
11	Common		0	CE 0.00000	0
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		\$ 1,558,554,596		\$ 207,446,985
NET PLANT IN SERVICE					
13	Production	(line 1 - line 7)	\$ 1,900,562,645		
14	Transmission	(line 2 - line 8)	451,565,032		\$ 430,160,701
15	Distribution	(line 3 - line 9)	174,546,367		
16	General & Intangible	(line 4 - line 10)	39,706,816		6,649,882
17	Common	(line 5 - line 11)	0		0
18	TOTAL NET PLANT (sum lines 13-17)		\$ 2,566,380,860	NP= 17.020%	\$ 436,810,583
ADJUSTMENTS TO RATE BASE					
19	Account No. 281 (enter negative)	272.Total 281.k	\$ -	NA zero	\$ -
20	Account No. 282 (enter negative)	274.Total 282.k	0	NP 0.17020	0
21	Account No. 283 (enter negative)	276.Total 283.k	0	NP 0.17020	0
22	Account No. 190	234.Total 190.c	0	NP 0.17020	0
23	Account No. 255 (enter negative)	266.Total.h	0	NP 0.17020	0
24	TOTAL ADJUSTMENTS (sum lines 19- 23)		\$ -		\$ -
25	LAND HELD FOR FUTURE USE	214.Total.d, Note F	\$ -	1.00000	\$ -
WORKING CAPITAL					
26	CWC	calculated, Note G	\$ 9,835,888		5,111,756
27	Materials & Supplies	227.8.c	22,748,039	TE 0.87197	19,835,681
28	Prepayments (Account 165)	110.46.c, Note G	12,218,566	GP 0.15619	1,908,375
29	TOTAL WORKING CAPITAL (sum lines 26 - 28)		\$ 44,802,523		\$ 26,855,812
30	RATE BASE (sum lines 18, 24, 25, & 29)		\$ 2,611,183,383		\$ 463,666,395

For the 12 months ended 12/31/2019

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East Kentucky Power Cooperative, Inc.

Line No.	(1)	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col. 3 times Col. 4)
O&M					
1	Transmission	321.100	\$ 47,352,361	TE 0.87197	\$ 41,289,992
2	Less Account 565	321.Acct 565	8,713,043	TE 0.87197	7,597,540
3	A&G	321.168	42,107,562	W/S 0.16747	7,051,946
4	Less FERC Annual Fees	N/A	0	W/S 0.16747	0
5	Less Non-safety Advertising	Note H	658,804	W/S 0.16747	110,333
5a	Less KPSC Regulatory Expenses	Note H	1,699,129		
5b	Plus Transmission Related Regulatory Exp	Note H	298,157	TE 0.87197	259,985
5c	Plus Prorated PJM Transition Expense	Note H	0		0
6	Common		0	CE 0.00000	0
7	Transmission Lease Payments		0	1.00000	0
8	TOTAL O&M (sum lines 1, 2a, 3, 5a, 6, 7 less lines 1a, 2, 4, 5)		\$ 78,687,104		\$ 40,894,050
DEPRECIATION EXPENSE					
9	Transmission	336.7.f	\$ 9,697,504	TP 0.95260	\$ 9,237,839
10	General and Intangible	336.9.f	7,990,347	W/S 0.16747	1,338,180
11	Common	336.10.f	0	CE 0.00000	0
12	TOTAL DEPRECIATION (Sum lines 9 - 11)		\$ 17,687,851		\$ 10,576,019
TAXES OTHER THAN INCOME TAXES					
LABOR RELATED					
13	Payroll	Note I	\$ -	W/S 0.16747	\$ -
14	Highway and vehicle	Note I	0	W/S 0.16747	0
PLANT RELATED					
16	Property	Note I	0	GP 0.15619	0
17	Gross Receipts		0	NA NA	0
18	Other		0	GP 0.15619	0
19	Payments in lieu of taxes		0	GP 0.15619	0
20	TOTAL OTHER TAXES (sum lines 13 - 19)		\$ -		\$ -
INCOME TAXES					
21	$T=1 - \{[(1 - \text{SIT}) * (1 - \text{FIT})] / (1 - \text{SIT} * \text{FIT} * p)\} =$	Note J	0.000000%		
22	$\text{CIT}=(T/1-T) * (1-(\text{WCLTD}/R)) =$		0.000000%		
23	$1 / (1 - T) =$ (from line 21)		0.0000		
24	Amortized Investment Tax Credit	266.8.f (enter negative)	0		
25	Income Tax Calculation (line 22 * line 28)		\$ -	NA	\$ -
26	ITC adjustment (line 23 * line 24)		0	NP 0.17020	0
27	Total Income Taxes	(line 25 plus line 26)	\$ -		\$ -
28	RETURN [Rate Base (page 2, line 30) * Rate of Return (page 4, line 29)]		\$ 178,617,858	NA	\$ 31,717,075
29	REVENUE REQUIREMENT (sum lines 8, 12, 20, 27, 28)		\$ 274,992,813		\$ 83,187,144

Formula Rate - Non-Levelized

For the 12 months ended 12/31/2019

Rate Formula Template
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)

East Kentucky Power Cooperative, Inc.
SUPPORTING CALCULATIONS AND NOTES

Line No.	TRANSMISSION PLANT INCLUDED IN ISO RATES				
1	Total transmission plant (page 2, line 2, column 3)				650,441,344
2	Less transmission plant excluded from ISO rates				0
3	Less transmission plant included in OATT Ancillary Services	See Supporting Exhibit, Page 5 of 8, Line 4, (Note K)			30,831,133
4	Transmission plant included in ISO Rates (line 1 less lines 2 & 3)				<u>619,610,211</u>
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)			TP=	0.95280
	TRANSMISSION EXPENSES				
6	Total transmission expenses (page 3, line 1, column 3)				47,352,361
7	Less transmission expenses included in OATT Ancillary Services	Note L			<u>4,007,824</u>
8	Included transmission expenses (line 6 less line 7)				43,344,537
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)				0.91536
10	Percentage of transmission plant included in ISO Rates (line 5)			TP	0.95280
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)			TE=	0.87197
	WAGES & SALARY ALLOCATOR (W&S)				
		Form 1 Reference	\$	TP	Allocation
12	Production	354.18.b	38,953,186	0.00	0
13	Transmission	354.19.b	11,658,945	0.95	11,106,307
14	Distribution	354.20.b	1,019,214	0.00	0
15	Other	354.21.22,23,24.b	<u>14,685,033</u>	0.00	0
16	Total (sum lines 12-15)		66,316,378		11,106,307 = 0.16747
	COMMON PLANT ALLOCATOR (CE)				
			%		% Electric
17	Electric	200.3.c	1.00		(line 17 / line 20)
18	Gas	201.3.d	0.00		1.00000 *
19	Water	201.3.e	<u>0.00</u>		
20	Total (sum lines 17 - 19)		1.00		
	RETURN (R)				
21	Long Term Interest (117, sum of 58.c through 65.c)				<u>\$ 112,361,640</u>
22	Preferred Dividends (118.29c) (positive number)				0
	Development of Cost of Capital:				
23	Long Term Debt	(112.23c) See Supporting Exhibit, Page 7 of 8			\$2,463,892,891
24	Proprietary Capital	(112.15.c)			715,371,644
25	Less Account 216.1	(112.12.c) (enter negative)			<u>0</u>
26	Total Capital	(sum lines 23-25)			\$ 3,179,264,535
			\$	%	Cost
27	Long Term Debt (112.23c)	Note M	2,463,892,891	77.50%	4.560%
28	Proprietary Capital (112.15.c)	Note N	715,371,644	22.50%	14.694%
29	Total (sum lines 27-28)		<u>3,179,264,535</u>		R = 6.840%
30	Effective TIER	Note O			TIER = 1.50
	REVENUE CREDITS				
	ACCOUNT 447 (BUNDLED SALES FOR RESALE)	(310-311)			
31	a. Bundled Non-RQ Sales for Resale (311.x.k)				\$ 0
32	b. Bundled Sales for Resale included in Divisor on page 1				<u>0</u>
33	Total of (a)-(b)				\$0
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	See Supporting Exhibit, Page 6 of 8, Line 3 (Note P)			\$ 171,399
35	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES)	See Supporting Exhibit, Page 6 of 8, Line 17 (Note Q)			\$ 246,212

Formula Rate - Non-Levelized

For the 12 months ended 12/31/2019

Rate Formula Template
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)
East Kentucky Power Cooperative, Inc.

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

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

Note

Letter

- A The revenues credited on page 1 lines 2-5c shall include only the amounts received directly (in the case of grandfathered agreements) or from the ISO (for service under this tariff) reflecting the Transmission Owner's integrated transmission facilities. They do not include revenues associated with FERC annual charges, gross receipts taxes, ancillary services, or facilities not included in this template (e.g., direct assignment facilities and GSUs) which are not recovered under this Formulary Rate Template.
- B Revenue from AEP Grandfathered Agreement. See Rev Cred Support, Attachment H-24A, Supporting Exhibit, page 6 of 8, line 16
- C Calculated in accordance with the EKPC Formulary Rate Protocols in Attachment H-24B of this Tariff. See Appendix C
- D EKPC 1 CP is EKPC's highest Monthly Firm Transmission System Peak Load based on the source data as described in Note 1 of Attachment H-24A, Page 8 of 8, plus transmission service provided for others over the EKPC transmission system, plus wheel-out to EKPC load connected to AEP/KP, Duke Ky, and LGE/KU
See Attachment H-24A, Supporting Exhibit, Page 8 of 8
- E EKPC 12 CP is EKPC's Monthly Firm Transmission System Peak Load based on the source data as described in Note 1 of Attachment H-24A, Page 8 of 8, plus transmission service provided for others over the EKPC transmission system, plus wheel-out to EKPC load connected to AEP/KP, Duke Ky, and LGE/KU
See Attachment H-24A, Supporting Exhibit, Page 8 of 8
- F Identified in EKPC Form FF1 as being non-transmission related. See Attachment H-24A, Supporting Exhibit, Pg 2 of 8
- G Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission at page 3 of 5, line 8, column 5.
Prepayments are the electric related prepayments booked to Account No. 165 and reported on EKPC Form FF1, Ref Pg 110, line 46.
- H Line 5 - Remove non-safety related advertising included in Account 930.1. See Attachment H-24A, Supporting Exhibit, Page 3 of 8, Line 3
Line 5a - Remove Total Regulatory Commission Expenses - See Attachment H-24A, Supporting Exhibit, Page 3 of 8, Line 4

Line 5b - Add Back Regulatory Commission Expenses directly related to transmission service, ISO filings, or transmission siting - See Attachment H-24A, Supporting Exhibit, Page 3 of 8, Line 6
Line 5c - Add EKPC costs relating to PJM transition. See Attachment H-24A, Supporting Exhibit, Page 3 of 8, Line 14
- I In accordance with RUS accounting standards, EKPC allocates all payroll and property taxes to the functional account. Labor- and plant-related taxes are already included in the appropriate transmission account.
- J As a member-owned non-profit RUS generation and transmission cooperative, EKPC is exempt from state and from federal income taxes under 501(c)(12) of Internal Revenue Code
- K Removes dollar amount of transmission plant included in the development of OATT ancillary services rates and generation step-up facilities, which are deemed to be included in OATT ancillary services. For these purposes, generation step-up facilities are those facilities at a generator substation on which there is no through-flow when the generator is shut down.
- L Removes dollar amount of transmission expenses included in the OATT ancillary services rates, included in Account 561. See Attachment H-24A, Supporting Exhibit, Page 4 of 8.
- M Debt cost rate = long-term interest (line 21) / long term debt (line 27).
- N TIER Target = 1.50
- O Effective TIER based on calculated amounts
- P Includes income related only to transmission facilities, such as pole attachments, rentals and special use.
- Q Net of revenue from retained legacy transactions. See Attachment H-24A, Supporting Exhibit, page 6 of 8.

For the 12 months ended 12/31/2019

East Kentucky Power Cooperative, Inc.
Transmission Formula Rate Revenue Requirement
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)
For Rates Effective January 1, 2019

Schedule 1A Rate Calculation

Line No.	Source	Revenue Requirement
A. Schedule 1A Annual Revenue Requirements		
1	Total Load Dispatch & Scheduling (Account 561)	\$ 4,007,824
	Less allocated amount for steam production [(Line 6c/Line 6b) * Line 1]	\$ 60,483
	Total Load Dispatch & Scheduling (Account 561) excluding Steam	\$ 3,947,341
2	Revenue Credits for Schedule 1A	\$ -
3	Net Schedule 1A Revenue Requirement for Zone	\$ 3,947,341
4	Less: True Up Under/(Over) Recovery for 12 months ended 12/31/2018	\$ -
5	Schedule 1A Recovery Amount for 12 Months ended 12/31/2019	\$ 3,947,341
B. Schedule 1A Rate Calculations		
6	2018 Requirements Sales for Resale	12,971,681 MWh
6a	Plus Non-requirements Sales for Resale	5,094
6b	Subtotal	12,976,775
6c	Less Equivalent Steam	195,837
6d	Net MWh	12,780,938 MWh
7	Schedule 1A rate \$/MWh (Line 5 / Line 6)	(Line 3 / Line 6) \$0.3088 \$/MWh

Notes:

- (1) Revenue received pursuant to PJM Schedule 1A revenue allocation procedures for transmission service outside of EKPC's zone during the year used to calculate rates under Attachment H-24A
- (2) Amount from Attachment H-24A, Appendix C, line 13 for stated year.
- (3) Sourced from EKPC Form FF1, Ref Pg 401, adjusted for equivalent steam sold
- (4) FF1, Ref Page 401, Line 23
- (5) FF1, Ref Page 401, Line 24
- (6) FF1, Ref Page 401, Footnote

Rate Formula Template
Utilizing Attachment H-24A

East Kentucky Power Cooperative, Inc.
RTEP - Transmission Enhancement Charges

To be completed in conjunction with Attachment H-24A

Line No.	(1)	(2)	(3)	(4)
<u>Attachment H-24A</u>		<u>Page, Line, Col.</u>	<u>Transmission</u>	<u>Allocator</u>
TRANSMISSION PLANT				
1	Gross Transmission Plant - Total	Attachment H-24A, p 2, line 2 col 5 (Note A)	619,610,211	
2	Net Transmission Plant - Total	Attachment H-24A, p 2, line 14 col 5 (Note B)	430,160,701	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Attachment H-24A, p 3, line 8 col 5	40,894,050	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1 col 3)	6.60%	6.60%
GENERAL AND COMMON (G&C) DEPRECIATION EXPENSE				
5	Total G&C Depreciation Expense	Attachment H-24A, p 3, lines 10 & 11, col 5 (Note H)	1,338,180	
6	Annual Allocation Factor for G&C Depreciation Expense	(line 5 divided by line 1 col 3)	0.22%	0.22%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Attachment H-24A, p 3, line 20 col 5	-	
8	Annual Allocation Factor for Other Taxes	(line 5 divided by line 1 col 3)	0.00%	0.00%
9	Annual Allocation Factor for Expense	Sum of lines 4, 6 and 8		6.82%
INCOME TAXES				
10	Total Income Taxes	Attachment H-24A, p 3, line 27 col 5	-	
11	Annual Allocation Factor for Income Taxes	(line 8 divided by line 2 col 3)	0.00%	0.00%
RETURN				
12	Return on Rate Base	Attachment H-24A, p 3, line 28 col 5	31,717,075	
13	Annual Allocation Factor for Return on Rate Base	(line 10 divided by line 2 col 3)	7.37%	7.37%
14	Annual Allocation Factor for Return	Sum of lines 11 and 13		7.37%

Note

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-24A and includes any sub lines 2a or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-24A and includes any sub lines 14a or 14b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order.
- 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-24A page 3 line True-Up Adjustment is included pursuant to a FERC approved methodology if applicable.
- F The Network Upgrade Charge is the value to be used in PJM OATT Schedule 26.
- G The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in Attachment H-24A Appendix B, page 2, column 9.

For the 12 months ended 12/31/2019

East Kentucky Power Cooperative, Inc.
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 7)	(Col. 3 * Col. 4)	(Note D)	(Page 1 line 12)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)	
1a		\$ -	6.82%	\$0.00	\$ -	7.37%	\$0.00	\$0	\$0.00	\$ -	\$0.00	\$0.00
1b		\$ -	6.82%	\$0.00	\$ -	7.37%	\$0.00	\$0	\$0.00	\$ -	\$0.00	\$0.00
1c		\$ -	6.82%	\$0.00	\$ -	7.37%	\$0.00	\$0	\$0.00	\$ -	\$0.00	\$0.00
2	Annual Totals								\$0	\$0	\$0	\$0
3	RTEP Transmission Enhancement Charges for Attachment H-24A, Page 1, Line 5c											\$0

Note Letter

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment H-24A and includes any sub lines 2a or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment H-24A and includes any sub lines 14a or 14b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order.
- 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-24A 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.

For the 12 months ended 12/31/2019

Rate Formula Template
Utilizing Attachment H-24A

East Kentucky Power Cooperative, Inc.
Calculation of Prior Year Transmission Revenue Requirement True-up Adjustment
To be completed in conjunction with Attachment H-24A

Line No.	(1)	(2)
<u>Reconciliation Adjustment for Transmission Revenue Requirements</u>		
1	Actual Transmission Revenue Requirement for 12 Months Ended 12/31/2019 including True Up for 12 months ended 12/31/2018 (1)	\$ 90,737,144.29
2	Less: True Up Under/(Over) Recovery Adjustment for EKPC Appendix H-24A: Adjustment for 12 mo. ended 12/31/2018 (2)	\$ 8,057,654.22
3	Transmission revenue requirements for the 12 months ended 12/31/2019 (Line 1 - Line 2)	\$ 82,679,490.07
4	Less: Actual Transmission Revenue Collected for 12 months Ended 12/31/2019 (3)	\$ 99,230,182.48
5	True-Up Principal Under(Over) Recovery before Interest (Line 3 - Line 4)	\$ (16,550,692.41)
6	Monthly Interest Rate--Final FERC rate (4)	0.425%
7	Number of Months being Trued Up	24
8	Interest (Line 5 x Line 6 x Line 7)	\$ (1,688,170.63)
9	True Up Principal & Interest Under(Over) Recovery--Preliminary (5) (Line 5 + Line 8)	<u>\$ (18,238,863.04)</u>

Notes:

-
- (1) Revenue requirement from Page 1 of 5, line 7 of Attachment H-24A for the referenced year.
(2) EKPC Attachment H-24A, page 1 of 5, Line 6a for the referenced recovery year
(3) Revenue received under PJM Tariff Schedules 7 and 8 under Attachment H-24A for the referenced year.
(4) See: <http://www.ferc.gov/enforcement/acct-matts/interest-rates.asp> for the appropriate Months
(5) Goes to Attachment H-24A, page 1 of 5, line 6a

For the 12 months ended 12/31/2019

Rate Formula Template
Utilizing Attachment H-24A

East Kentucky Power Cooperative, Inc.
Calculation of Prior Year EKPC Schedule 1A Revenue Requirement True-up Adjustment
To be completed in conjunction with Attachment H-24A

Line No.	(1)	(2)
	<u>Reconciliation Adjustment for Schedule 1A Charges</u>	
10	Actual Schedule 1-A Costs for 12 Months Ended 12/31/2019 including True Up for 12 months ended 12/31/2018 (6)	\$ 3,660,841.22
11	Less: True Up Under/(Over) Recovery Adjustment for EKPC Sch. 1A for for 12 mo. ended 12/31/2018 (7)	\$ (286,499.39)
12	True-Up Principal Under(Over) Recovery before Interest (Line 10 - Line 11)	<u>\$3,947,340.61</u>
13	Less: Actual Sch. 1A Revenue Collected for 12 months Ended 12/31/2019 (8)	<u>\$3,113,854.50</u>
14	True-Up Principal Under(Over) Recovery before Interest (Line 12 - Line 13)	\$ 833,486.11
15	Monthly Interest Rate--Final FERC rate (9)	0.425%
16	Number of Months being Trued Up	24
17	Interest (Line 14 x Line 15 x Line 16)	\$ 85,015.58
18	True Up Principal & Interest Under(Over) Recovery--Preliminary (10) (Line 14 + Line 17)	<u><u>\$ 918,501.69</u></u>

Notes:

- (6) Revenue requirement calculated using EKPC Attachment H-24A, Appendix A and actual cost information for the referenced
- (7) EKPC Attachment H-24A, Appendix A, Line 6a for the referenced recovery year.
- (8) Revenue received from PJM under PJM Tariff Schedules 7 and 8 for the EKPC Zone under Attachment H-24A for the referenced
- (9) See+C29: <http://www.ferc.gov/legal/acct-matts/interest-rates.asp> for the appropriate Month
- (10) Goes to Attachment H-24A, Appendix A, line 4.

East Kentucky Power Cooperative, Inc.
Depreciation Rates
Rates effective for year ending December 31, 2019

Line No.	FERC Account Number (A)	Company Account Number (B)	Description (C)	Actual Accrual Rates (D) %
Transmission Plant (1)				
1	350	350010	Rights of Way (No depr on land)	-
2	353	353000	Station Equipment	1.790
3	353	353010	Station Equipment - ECS	1.790
4	354	354000	Towers and Fixtures - Trans Plant	0.710
5	355	355000	Poles & Fixtures	1.560
6	356	356000	Overhead Conductors & Devices	1.490
7	359	359000	Roads and Trails - Trans Plant	2.778
General and Intangible Plant				
8	303	303000	Miscellaneous Intangible Plant	2.857
9	390	390000	Structures and Improvements - General Plant	4.778
10	391	391000	Office Furn & Equip - Gen Plant	0.200
11	391	391001	Office Furn & Equip - Peoplesoft	20.000
12	392	392000	Transportation Equipment	16.667
13	393	393000	Stores Equipment	10.000
14	394	394000	Tools, Shop & Garage Equipment	10.000
15	395	395000	Lab Equipment - General Plant	10.000
16	396	396000	Power Operated Equip - Gen Plant	10.000
17	397	397000	Communication Equipment - General Plant	10.000
18	397	397000	Communication Bldgs & Towers	3.030
19	397	397001	Communication Eq - ECS - General Plant	10.000
20	398	398000	Misc Equip - General Plant	10.000

NOTES:

(1) Depreciation Rates approved in KPSC Case No. 2006-00236.

East Kentucky Power Cooperative
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)

**Materials and Supplies (1)
Allocation of Account 163**

<u>Line No.</u>		<u>M&S</u>	<u>Percentage</u>	<u>Acct 163 ⁽²⁾</u>	<u>Total M&S ⁽³⁾</u>
1	Production	\$ 40,929,576	64.22%	-	
2	Transmission	22,748,039	35.69%	-	
3	Distribution	55,309	0.09%	-	
4	Total M&S	<u>\$ 63,732,924</u>	<u>100.00%</u>	<u>-</u>	<u>\$ 22,748,039</u>

Notes:

(1) Source - EKPC Form FF1 Ref Pg 227, Column C

(2) Unallocated M&S balance as of Year End

(3) To Attachment H-24A, Page 2 of 5, Line 27.

**East Kentucky Power Cooperative, Inc.
 Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)**

Detail of Land Held for Future Use (1)

<u>Line No.</u>	<u>Property Description</u>	<u>Transmission Related</u>	<u>Non-Transmission Related Portion</u>	<u>Reported on EKPC Form FF1</u>
1.	Proposed East London Substation Site	\$ -	\$ 27,462	\$ 27,462
2		-	-	-
3		-	-	-
4		-	-	-
5		-	-	-
6		-	-	-
7	Balances	<u>\$ -</u>	<u>\$ 27,462</u>	<u>\$ 27,462</u>

Notes:

(1) Source: EKPC Form FF1 Ref Pg 214, Account 105

**East Kentucky Power Cooperative, Inc.
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)**

Safety and Non-Safety Related Advertising, Regulatory Expense, and PJM Integration Costs

<u>Line No.</u>	<u>Source</u>	<u>EKPC</u>
1	General Advertising - Account 930.1	Form FF1, P. 321, col. B \$ 658,804
2	Amount of Safety Related Advertising	<u>-</u>
3	Amount of Non-Safety Related Advertising (1)	Note 1 <u>\$ 658,804</u>
4	Regulatory Commission Expense - Account 928	Note 2 \$ 1,699,129
5	Less: Regulatory Expense unrelated to transmission (2)	Note 3 (1,414,568)
6	Regulatory Expense Assoc w FERC Transmission Tariff	Note 4 13,596
7	Regulatory Commission Expense Related to Transmission	<u>\$ 298,157</u>
8	PJM Integration Costs	Note 5
9	Consulting	\$ -
10	Legal Fees	\$ -
11	PJM Charges	\$ -
12	Equipment / Software Upgrades (Transmission Only)	<u>\$ -</u>
13		<u>\$ -</u>
14	Amortize for 3 years	\$ -

Notes:

-
- (1) To Attachment H-24A, Page 3 of 5, Line 5
 - (2) Regulatory fees from Kentucky Public Service Commission, EKPC Form FF1, Ref Pg 321, Account 928
 - (3) Portion of regulatory expense for proceedings during the year that were not related to transmission, derived using the transmission function W/S allocator (See Attachment H-24A, page 4 of 5, line 16)
 - (4) Direct costs of preparing the annual update and True-up of Transmission rates and posting the results with PJM
 - (5) Represents direct costs associated with EKPC's integration into PJM (transmission-related only) with three year amortization

**East Kentucky Power Cooperative, Inc.
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)**

Balancing Authority Costs

Line No.		EKPC
	A&G Expense	
1	A&G Expense, Page 321, line 168, Current Year	\$ 42,107,562
2	Adjustments	-
3	Adjusted A&G Expense - To Attachment H-24A, Page 3 of 5, Line 3	\$ 42,107,562
	Transmission Expense	
4	Transmission Expense, EKPC Form FF1, Ref Pg 321, line 100, Current Year	\$ 47,352,361
5	Adjustments	-
6	Adjusted Transmission Expense - To Attachment H-24A, Page 3 of 5, Line 1	\$ 47,352,361
	Balancing Authority Costs in 561 through 561.3	
7	B.A. Costs in Transmission Expense on EKPC Form FF1, Ref Pg 321	\$ 4,007,824
8	Less TVA Reliability Service Payments EKP Subaccount 561100	-
9	Adjusted B.A. Costs	\$ 4,007,824
10	Total Balancing Authority Costs (561.BA) in Adj Transmission Exp	\$ -
	Note 1	
11	Revenue Credits for Sched 1 / Acct 561 (2)	\$ 4,007,824
	Note 2	

Notes:

- (1) Costs related to BA activities not included in Schedule 1 Costs
(2) To Attachment H-24A Page 4 of 5, Line 7

East Kentucky Power Cooperative, Inc.
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)

Determination of Transmission Plant Included in OATT Ancillary Services

<u>Line No.</u>		<u>EKPC</u>
1	Generation Step-up Transformers (1)	\$ 30,831,133
2	Sole use Property	-
3	Distribution Use	-
4	Transmission plant included in OATT Ancillary Services (2)	<u>\$ 30,831,133</u>

Notes:

(1) GSU capital costs that are included in the Transmission capital Account 353; amounts sourced from EKPC's PeopleSoft Asset Management System.

(2) To Attachment H-24A, page 4 of 5, Line 3

**East Kentucky Power Cooperative, Inc.
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)**

Revenue Credits, Accounts 454, 456, 459 and GFA Revenues

<u>Line No.</u>			Account 454
			EKPC
1	Per Books Total, Page 300 (Total Accts 440-459)		\$ 856,114,309
2	Tower Lease Revenues in per Books Total above		-
3	Rent from Electric Property FF1 Pg 300, Account 454	Note 1	171,399
4	Portion Attributable to Transmission		100.0%
5	Revenue Credit Applicable to Attachment H-24A		\$ 171,399
6	Total Account 454	Note 2	\$ 171,399
			Account 456, 459
			EKPC
7	EKPC Form FF1, Page 300, Accounts 456 - 459 Remove Non-Transmission and Non-ISO Related Revenues:	Note 3	\$ 15,325,672
8	Production (Accts 456010, 456042, 456043 and 459000)		11,403,965
9	Common Transmission		-
10	Distribution		-
11	Customer Account (Accounts 456054 and 456057)		98,071
12	Administrative and General (Acct 456003)		600
13	Acct 456 less non-transmission and non-ISO revenue		\$ 3,823,036
14	Total EKPC Account 456130 Transmission Service		3,470,050
15	Adjusted Total Accounts 456 - 459		\$ 352,986
			GFA Revenues
16	Less: AEP Revenue from retained legacy agreement	Note 4	\$ 106,775
17	Total Other Transmission Revenue Credits	Note 5	\$ 246,212

Notes:

- (1) Rent from KU for joint use of Rights of Way, Ref Pg 300, Page 1 of 2 (Acct 454)
(2) To Attachment H-24A, Page 4 of 5, line 34
(3) The amount shown in account 456 in FF1 includes revenues from sales of renewable energy credits included in account 459.
(4) Revenue from AEP GFA Account 456101- to Attachment H-24A, Page 1 of 5, Line 4.
(5) To Attachment H-24A, Page 4 of 5, Line 35

East Kentucky Power Cooperative, Inc.
Utilizing EKPC 2019 Form FF1 Data (ver. FINAL - AUDITED)

Capital Structure
As of December 31, 2019
(In Dollars)

Line No.	Description					
Development of Cost of L.T. Interest						
1	Long term Interest (Note 1)	\$	112,361,640			
2	Outstanding Long Term Debt (Note 2)	\$	2,463,892,891			
3	Average Cost of Debt (Line 1/Line 2)			4.560%		
Development of Required Return						
			Value	Percent	Cost (Note 4)	Weighted Cost
4	Long Term Debt	\$	2,463,892,891	77.50%	4.560%	3.534%
5	Proprietary Capital (Note 3)		715,371,644	22.50%	14.694%	3.306%
6	Total (Line 4 plus Line 5)	\$	3,179,264,535			6.840%
7	Effective TIER (Note 4)			TIER =		1.50

Notes:

1. EKPC Form FF1 Ref Pg 117 Row 58, Column b, Current Year
2. EKPC Form FF1 for 2019 Ref Pg 112, Row 23 Bal at End of Year
3. EKPC Form FF1 for 2019 Ref Pg 112, Row 15 Bal at End of Year
4. 1.50.

East Kentucky Power Cooperative, Inc.

MONTHLY PEAKS IN KILOWATTS

Line No.		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
1	EKPC - Monthly Total Native Load (1)	2,921,940	2,343,783	2,710,829	1,975,875	1,963,766	2,074,182	2,221,021	2,251,007	2,158,591	2,114,094	2,615,957	2,583,489	27,934,532	2,327,876
2	EKPC Firm Transmission for Others (kW)														
3															
4	Duke Kentucky	18,791	13,580	15,720	12,745	18,549	19,452	20,792	22,738	18,935	19,612	14,363	15,395	210,671	17,556
5	KYMEA (City of Falmouth)	-	-	-	-	3,730	4,100	4,440	4,540	4,250	4,100	2,790	3,030	30,980	2,582
6	KU/LGE														
7	Bedford	4,558	3,473	3,987	2,507	2,414	2,645	2,877	3,021	2,694	2,750	3,529	3,373	37,829	3,152
8	Columbia	7,138	5,511	6,859	5,024	5,849	5,600	6,556	7,102	6,800	6,306	6,605	6,284	75,635	6,303
9	Columbia South	5,270	4,618	5,067	3,502	4,199	4,275	4,824	4,942	4,651	4,537	4,846	4,844	55,577	4,631
10	Falmouth (moved to KYMEA eff. 5/1/2019)	3,192	2,598	2,782	2,379	-	-	-	-	-	-	-	-	10,952	913
11	Garrard	91	76	82	363	13	16	16	16	15	15	34	33	771	64
12	Horse Cave	38,698	35,146	40,661	35,938	39,403	39,758	41,174	41,746	40,853	40,478	39,326	41,342	474,523	39,544
13	Hunters Bottom	2,722	2,081	2,323	1,427	1,281	1,408	1,533	1,516	1,476	1,592	2,108	1,948	21,415	1,785
14	Liberty	11,115	8,469	11,043	7,828	7,276	6,947	8,000	8,615	8,210	7,575	10,811	10,692	106,581	8,882
15	Mackville	835	683	766	494	390	426	478	426	470	429	694	689	6,853	571
16	Munfordville	6,453	4,802	6,268	4,601	5,598	5,671	6,312	6,246	5,941	5,734	5,214	5,154	67,995	5,666
17	Owingsville	7,549	5,533	6,394	5,763	6,117	7,640	8,132	8,035	7,414	7,272	6,290	6,548	82,687	6,891
18	Revelo	2,853	2,073	3,017	2,269	1,451	1,155	1,625	1,722	1,650	1,416	2,796	2,781	24,809	2,067
19	Russell Springs	10,572	8,477	10,261	6,657	6,093	6,025	6,568	6,277	6,277	6,267	9,259	9,390	92,436	7,703
20	Whitley City	6,862	5,188	6,597	4,424	3,447	3,272	4,020	4,061	3,795	3,651	6,877	6,119	58,311	4,859
21	Subtotal Transmission for KU/LGE	107,910	86,727	106,108	83,176	83,531	84,838	92,115	94,110	90,247	88,024	98,391	99,198	1,116,374	93,031
22	Total EKPC Firm Transmission for Others Subtotal (kW)	126,701	102,307	121,828	95,920	105,810	108,390	117,346	121,368	113,433	111,738	115,544	117,622	1,358,025	113,169
23	Total EKPC Monthly Transmission System Peak Load	3,048,641	2,446,090	2,832,657	2,071,796	2,069,576	2,182,571	2,338,367	2,372,395	2,272,024	2,225,829	2,731,500	2,701,111	29,292,557	2,441,046

Notes:

(1) Reflects the system peak demand (coincident peak) during a 60-minute clock hour. January 2019 through December 2019 information is sourced from the MV90 system.

EKPC - Monthly Total Native Load (EKPTOT)	2,955,076	2,366,330	2,741,164	2,001,997	1,990,902	2,102,519	2,251,880	2,283,240	2,191,285	2,143,917	2,642,980	2,612,250	28,283,540	2,356,962
EKPC Total Load less Wheel-Out Load (EKP - WHEEL)	2,367,255	1,895,708	2,189,176	1,627,673	1,572,108	1,657,764	1,792,345	1,848,045	1,748,370	1,699,035	2,148,235	2,102,437	22,648,152	1,887,346
EKPC Load on LGE/KU Transmission System (KU & LGE)	554,885	448,075	521,653	348,202	391,657	416,418	428,676	402,962	410,221	415,058	467,722	481,052	5,286,380	440,532
EKPC Total Load Excluding DUKE/AEP	2,921,940	2,343,783	2,710,829	1,975,875	1,963,766	2,074,182	2,221,021	2,251,007	2,158,591	2,114,094	2,615,957	2,583,489	27,934,532	2,327,878
EKPTOT less EKPC Total Load Excluding DUKE/AEP	33,136	22,547	30,335	26,122	27,137	28,337	30,859	32,233	32,694	29,824	27,024	28,761	349,008	29,084
EKPC Subs fed by DUKE (CINERGY)	23,204	15,549	21,710	19,286	20,850	22,231	23,256	24,637	25,584	23,416	18,624	20,625	259,173	21,598
EKPC Subs fed by AEP (KP_TOTAL)	9,932	6,998	8,625	6,835	6,286	6,106	7,603	7,596	7,110	6,407	8,200	8,137	89,836	7,486
EKPC Subs fed by DUKE/AEP	33,136	22,547	30,335	26,122	27,137	28,337	30,859	32,233	32,694	29,824	27,024	28,761	349,008	29,084
Check Difference	0	0	0	0	0	(0)	(0)	0	(0)	0	(0)	(0)	(0)	