

Formula Rate - Non-Levelized

For the 12 months ended 12/31/2021

Rate Formula Template  
Utilizing EKPC 2021 Form FF1 Data (ver. FINAL - AUDITED)

East Kentucky Power Cooperative, Inc.

Line No.			Total	Allocator	Allocated Amount
1	GROSS REVENUE REQUIREMENT (page 3, line 29)				\$ 83,270,717
REVENUE CREDITS					
2	Account No. 454	Note A (page 4, line 34)	\$ 188,248	TP 1.00000	\$ 188,248
3	Account No. 456.1 (Net of Revenues from Grandfathered Transactions)	(page 4, line 35)	1,190,997	TP 0.96095	1,144,492
4	Revenues from Grandfathered Transactions	Note B	131,876	TP 0.96095	126,726
5	Revenues from service provided by the ISO at a discount		0	TP 0.96095	0
5a	Transmission Enhancement Credit		0	TP 0.96095	0
6	TOTAL REVENUE CREDITS (sum lines 2-5b)				\$ 1,459,466
6a	True-up Adjustment	Note C			\$ -
7	NET REVENUE REQUIREMENT	(line 1 minus line 6 plus line 6a)			<u>81,811,251</u>
DIVISOR					
8	1 CP	Note D			2,839,104
9	12 CP	Note E			2,305,232
10	Reserved				
11	Reserved				
12	Reserved				
13	Reserved				
14	Reserved				
15	Annual Cost (\$/kW/Yr) - 1 CP	(line 7 / line 8)	\$28.816		
16	Annual Cost (\$/kW/Yr) - 12 CP	(line 7 / line 9)	\$35.489		
17	Network Rate (\$/kW/Mo)	(line 15 / 12)	\$2.401		
17a	Point-To-Point Rate (\$/kW/Mo)	(line 16 / 12)	\$2.957		
			<u>On-Peak Rate</u>		<u>Off-Peak Rate</u>
18	Point-To-Point Rate (\$/kW/Wk)	(line 16 / 52; line 16 / 52)	\$0.682		
19	Point-To-Point Rate (\$/kW/Day)	(line 16 / 260; line 16 / 365)	\$0.136	aped at weekly rate	\$0.097
20	Point-To-Point Rate (\$/MWh)	(line 16 / 4,160; line 16 / 8,760 * 1000)	\$8.531	at weekly and daily rate	\$4.051

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Line No.	(1) RATE BASE	(2) Form No. 1 Page, Line, Col.	(3) Company Total	(4) Allocator	(5) Transmission (Col. 3 times Col. 4)
	<b>GROSS PLANT IN SERVICE</b>				
1	Production	204.46.g	\$ 3,392,706,596	NA	
2	Transmission	206.58.g	706,981,557	TP 0.96095	\$ 679,376,084
3	Distribution	206.75.g	277,060,773	NA	
4	General & Intangible	204.5.g & 206.90.g	124,749,537	W/S 0.16036	20,005,443
5	Common		0	CE 0.00000	0
6	TOTAL GROSS PLANT (sum lines 1-5)		\$ 4,501,498,463	GP= 15.537%	\$ 699,381,527
	<b>ACCUMULATED DEPRECIATION</b>				
7	Production	219.20-24.c	\$ 1,286,813,124	NA	
8	Transmission	219.25.c	194,354,223	TP 0.96095	\$ 186,765,284
9	Distribution	219.26.c	98,103,787	NA	
10	General & Intangible	219.28.c	75,814,590	W/S 0.16036	12,157,996
11	Common		0	CE 0.00000	0
12	TOTAL ACCUM. DEPRECIATION (sum lines 7-11)		\$ 1,655,085,724		\$ 198,923,280
	<b>NET PLANT IN SERVICE</b>				
13	Production	(line 1 - line 7)	\$ 2,105,893,472		
14	Transmission	(line 2 - line 8)	512,627,334		\$ 492,610,800
15	Distribution	(line 3 - line 9)	178,956,986		
16	General & Intangible	(line 4 - line 10)	48,934,947		7,847,447
17	Common	(line 5 - line 11)	0		0
18	TOTAL NET PLANT (sum lines 13-17)		\$ 2,846,412,739	NP= 17.582%	\$ 500,458,247
	<b>ADJUSTMENTS TO RATE BASE</b>				
19	Account No. 281 (enter negative)	272.Total 281.k	\$ -	NA zero	\$ -
20	Account No. 282 (enter negative)	274.Total 282.k	0	NP 0.17582	0
21	Account No. 283 (enter negative)	276.Total 283.k	0	NP 0.17582	0
22	Account No. 190	234.Total 190.c	0	NP 0.17582	0
23	Account No. 255 (enter negative)	266.Total.h	0	NP 0.17582	0
24	TOTAL ADJUSTMENTS (sum lines 19- 23)		\$ -		\$ -
25	LAND HELD FOR FUTURE USE	214.Total.d, Note F	\$ -	1.00000	\$ -
	<b>WORKING CAPITAL</b>				
26	CWC	calculated, Note G	\$ 9,994,899		5,406,303
27	Materials & Supplies	227.8.c	31,765,805	TE 0.89989	28,585,619
28	Prepayments (Account 165)	110.46.c, Note G	7,704,875	GP 0.15537	1,197,079
29	TOTAL WORKING CAPITAL (sum lines 26 - 28)		\$ 49,465,579		\$ 35,189,001
30	RATE BASE (sum lines 18, 24, 25, & 29)		\$ 2,895,878,318		\$ 535,647,248

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East Kentucky Power Cooperative, Inc.

Line No.	(1)	(2) Form No. 1 <u>Page, Line, Col.</u>	(3) <u>Company Total</u>	(4) <u>Allocator</u>	(5) Transmission <u>(Col. 3 times Col. 4)</u>
<b>O&amp;M</b>					
1	Transmission	321,100	\$ 62,512,517	TE 0.89989	\$ 56,254,170
2	Less Account 565	321,Acct 565	21,976,522	TE 0.89989	19,776,375
3	A&G	321,168	41,038,715	W/S 0.16036	6,581,168
4	Less FERC Annual Fees	N/A	0	W/S 0.16036	0
5	Less Non-safety Advertising	Note H	302,878	W/S 0.16036	48,571
5a	Less KPSC Regulatory Expenses	Note H	1,579,374		
5b	Plus Transmission Related Regulatory Exp	Note H	266,737	TE 0.89989	240,033
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)		\$ 79,959,196		\$ 43,250,425
<b>DEPRECIATION EXPENSE</b>					
9	Transmission	336.7.f	\$ 11,895,626	TP 0.96095	\$ 11,431,138
10	General and Intangible	336.9.f	6,511,264	W/S 0.16036	1,044,178
11	Common	336.10.f	0	CE 0.00000	0
12	TOTAL DEPRECIATION (Sum lines 9 - 11)		\$ 18,406,890		\$ 12,475,316
<b>TAXES OTHER THAN INCOME TAXES</b>					
<b>LABOR RELATED</b>					
13	Payroll	Note I	\$ -	W/S 0.16036	\$ -
14	Highway and vehicle	Note I	0	W/S 0.16036	0
<b>PLANT RELATED</b>					
16	Property	Note I	0	GP 0.15537	0
17	Gross Receipts		0	NA NA	0
18	Other		0	GP 0.15537	0
19	Payments in lieu of taxes		0	GP 0.15537	0
20	TOTAL OTHER TAXES (sum lines 13 - 19)		\$ -		\$ -
<b>INCOME TAXES</b>					
21	$T=1 - \frac{\{(1 - SIT) * (1 - FIT)\}}{(1 - SIT * FIT * p)} =$	Note J	0.000000%		
22	$CIT=(T/1-T) * (1-(WCLTD/R)) =$		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 0.17582	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)]		\$ 148,916,848	NA	\$ 27,544,976
29	REVENUE REQUIREMENT (sum lines 8, 12, 20, 27, 28)		\$ 247,282,934		\$ 83,270,717

Formula Rate - Non-Levelized

For the 12 months ended 12/31/2021

Rate Formula Template  
Utilizing EKPC 2021 Form FF1 Data (ver. FINAL - AUDITED)

East Kentucky Power Cooperative, Inc.  
**SUPPORTING CALCULATIONS AND NOTES**

Line No.	<b>TRANSMISSION PLANT INCLUDED IN ISO RATES</b>				
1	Total transmission plant (page 2, line 2, column 3)				706,981,557
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)			27,605,473
4	Transmission plant included in ISO Rates (line 1 less lines 2 & 3)				679,376,084
5	Percentage of transmission plant included in ISO Rates (line 4 divided by line 1)			TP=	0.96095
	<b>TRANSMISSION EXPENSES</b>				
6	Total transmission expenses (page 3, line 1, column 3)				62,512,517
7	Less transmission expenses included in OATT Ancillary Services	Note L			3,972,539
8	Included transmission expenses (line 6 less line 7)				58,539,978
9	Percentage of transmission expenses after adjustment (line 8 divided by line 6)				0.93645
10	Percentage of transmission plant included in ISO Rates (line 5)			TP	0.96095
11	Percentage of transmission expenses included in ISO Rates (line 9 times line 10)			TE=	0.89989
	<b>WAGES &amp; SALARY ALLOCATOR (W&amp;S)</b>				
		Form 1 Reference	\$	TP	Allocation
12	Production	354.18.b	42,498,087	0.00	0
13	Transmission	354.19.b	11,846,407	0.96	11,383,841
14	Distribution	354.20.b	935,958	0.00	0
15	Other	354.21,22,23,24.b	15,706,675	0.00	0
16	Total (sum lines 12-15)		70,987,127		11,383,841 = 0.16036
	<b>COMMON PLANT ALLOCATOR (CE)</b>				
			%	% Electric	W&S Allocator
17	Electric	200.3.c	1.00	(line 17 / line 20)	(line 16)
18	Gas	201.3.d	0.00	1.00000 *	0.16036
19	Water	201.3.e	0.00		
20	Total (sum lines 17 - 19)		1.00		
	<b>RETURN (R)</b>				
21	Long Term Interest (117, sum of 58.c through 65.c)				\$ 86,985,390
22	Preferred Dividends (118.29c) (positive number)				0
	<b>Development of Cost of Capital:</b>				
23	Long Term Debt	(112.23c) See Supporting Exhibit, Page 7 of 8			\$2,537,313,018
24	Proprietary Capital	(112.15.c)			767,457,691
25	Less Account 216.1	(112.12.c) (enter negative)			0
26	Total Capital	(sum lines 23-25)			\$ 3,304,770,709
			\$	%	Cost
27	Long Term Debt (112.23c)	Note M	2,537,313,018	76.78%	3.428%
28	Proprietary Capital (112.15.c)	Note N	767,457,691	23.22%	10.809%
29	Total (sum lines 27-28)		3,304,770,709		R = 5.142%
30	Effective TIER	Note O			TIER = 1.50
	<b>REVENUE CREDITS</b>				
	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				0
33	Total of (a)-(b)				\$0
34	ACCOUNT 454 (RENT FROM ELECTRIC PROPERTY)	See Supporting Exhibit, Page 6 of 8, Line 3 (Note P)			\$ 188,248
35	ACCOUNT 456.1 (OTHER ELECTRIC REVENUES)	See Supporting Exhibit, Page 6 of 8, Line 17 (Note Q)			\$ 1,190,997

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For the 12 months ended 12/31/2021

Rate Formula Template  
Utilizing EKPC 2021 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 12/31/2021

East Kentucky Power Cooperative, Inc.  
Transmission Formula Rate Revenue Requirement  
Utilizing EKPC 2021 Form FF1 Data (ver. FINAL - AUDITED)  
For Rates Effective January 1, 2021

**Schedule 1A Rate Calculation**

Line No.	Source	Revenue Requirement
<b>A. <u>Schedule 1A Annual Revenue Requirements</u></b>		
1	Total Load Dispatch & Scheduling (Account 561)	\$ 3,972,539
	Less allocated amount for steam production [(Line 6c/Line 6b) * Line 1]	\$ 65,708
	Total Load Dispatch & Scheduling (Account 561) excluding Steam	\$ 3,906,831
2	Revenue Credits for Schedule 1A	\$ -
3	Net Schedule 1A Revenue Requirement for Zone	\$ 3,906,831
4	Less: True Up Under/(Over) Recovery for 12 months ended 12/31/2020	\$ -
5	Schedule 1A Recovery Amount for 12 Months ended 12/31/2021	\$ 3,906,831
<b>B. <u>Schedule 1A Rate Calculations</u></b>		
6	2021 Requirements Sales for Resale	13,047,638 MWh
6a	Plus Non-requirements Sales for Resale	7,161
6b	Subtotal	13,054,799
6c	Less Equivalent Steam	215,933
6d	Net MWh	12,838,866 MWh
7	Schedule 1A rate \$/MWh (Line 5 / Line 6)	(Line 3 / Line 6) \$0.3043 \$/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)
		Attachment H-24A Page, Line, Col.	Transmission	Allocator
<b>TRANSMISSION PLANT</b>				
1	Gross Transmission Plant - Total	Attachment H-24A, p 2, line 2 col 5 (Note A)	679,376,084	
2	Net Transmission Plant - Total	Attachment H-24A, p 2, line 14 col 5 (Note B)	492,610,800	
<b>O&amp;M EXPENSE</b>				
3	Total O&M Allocated to Transmission	Attachment H-24A, p 3, line 8 col 5	43,250,425	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1 col 3)	6.37%	6.37%
<b>GENERAL AND COMMON (G&amp;C) DEPRECIATION EXPENSE</b>				
5	Total G&C Depreciation Expense	Attachment H-24A, p 3, lines 10 & 11, col 5 (Note H)	1,044,178	
6	Annual Allocation Factor for G&C Depreciation Expense	(line 5 divided by line 1 col 3)	0.15%	0.15%
<b>TAXES OTHER THAN INCOME TAXES</b>				
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%
<b>9</b>	<b>Annual Allocation Factor for Expense</b>	<b>Sum of lines 4, 6 and 8</b>		<b>6.52%</b>
<b>INCOME TAXES</b>				
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%
<b>RETURN</b>				
12	Return on Rate Base	Attachment H-24A, p 3, line 28 col 5	27,544,976	
13	Annual Allocation Factor for Return on Rate Base	(line 10 divided by line 2 col 3)	5.59%	5.59%
<b>14</b>	<b>Annual Allocation Factor for Return</b>	<b>Sum of lines 11 and 13</b>		<b>5.59%</b>

**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
- 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 PJM OATT Schedule 26.
- H 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 12/31/2021

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		\$ -	6.52%	\$0.00	\$ -	5.59%	\$0.00	\$0	\$0.00	\$ -	\$0.00	\$0.00
1b		\$ -	6.52%	\$0.00	\$ -	5.59%	\$0.00	\$0	\$0.00	\$ -	\$0.00	\$0.00
1c		\$ -	6.52%	\$0.00	\$ -	5.59%	\$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 12/31/2021

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)
<b><u>Reconciliation Adjustment for Transmission Revenue Requirements</u></b>		
1	Actual Transmission Revenue Requirement for 12 Months Ended 12/31/2021 including True Up for 12 months ended 12/31/2020 (1)	\$ 77,245,954.35
2	Less: True Up Under/(Over) Recovery Adjustment for EKPC Appendix H-24A: Adjustment for 12 mo. ended 12/31/2020 (2)	\$ (4,565,296.95)
3	Transmission revenue requirements for the 12 months ended 12/31/2021 (Line 1 - Line 2)	<u>\$ 81,811,251.30</u>
4	Less: Actual Transmission Revenue Collected for 12 months Ended 12/31/2021 (3)	<u>\$ 80,863,884.57</u>
5	True-Up Principal Under(Over) Recovery before Interest (Line 3 - Line 4)	\$ 947,366.73
6	Monthly Interest Rate--Final FERC rate (4)	0.274%
7	Number of Months being Trued Up	24
8	Interest (Line 5 x Line 6 x Line 7)	\$ 62,298.84
9	True Up Principal & Interest Under(Over) Recovery--Preliminary (5) (Line 5 + Line 8)	<u><u>\$ 1,009,665.57</u></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

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)
	<b><u>Reconciliation Adjustment for Schedule 1A Charges</u></b>	
10	Actual Schedule 1-A Costs for 12 Months Ended 12/31/2021 including True Up for 12 months ended 12/31/2020 (6)	\$ 4,131,110.31
11	Less: True Up Under/(Over) Recovery Adjustment for EKPC Sch. 1A for for 12 mo. ended 12/31/2020 (7)	\$ 224,278.88
12	True-Up Principal Under(Over) Recovery before Interest (Line 10 - Line 11 )	<u>\$3,906,831.43</u>
13	Less: Actual Sch. 1A Revenue Collected for 12 months Ended 12/31/2021 (8)	<u>\$4,904,420.00</u>
14	True-Up Principal Under(Over) Recovery before Interest (Line 12 - Line 13)	\$ (997,588.57)
15	Monthly Interest Rate--Final FERC rate (9)	0.274%
16	Number of Months being Trued Up	24
17	Interest (Line 14 x Line 15 x Line 16)	<u>\$ (65,601.42)</u>
18	True Up Principal & Interest Under(Over) Recovery--Preliminary (10) (Line 14 + Line 17)	<u><u>\$ (1,063,189.99)</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: <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, 2021

<u>Line No.</u>	<u>FERC Account Number</u> (A)	<u>Company Account Number</u> (B)	<u>Description</u> (C)	<u>Actual Accrual Rates</u> (D) %
<b>Transmission Plant (1)</b>				
1	350	350010	Rights of Way (No depr on land)	-
2	353	353000	Station Equipment	2.180
3	353	353010	Station Equipment - ECS	6.310
4	354	354000	Towers and Fixtures - Trans Plant	1.660
5	355	355000	Poles & Fixtures	2.820
6	356	356000	Overhead Conductors & Devices	2.900
7	359	359000	Roads and Trails - Trans Plant	1.920
<b>General and Intangible Plant</b>				
8	303	303000	Miscellaneous Intangible Plant	11.420
9	390	390000	Structures and Improvements - General Plant	0.990
10	391	391000	Office Furn & Equip - Gen Plant	5.000
11	391	391001	Office Furn & Equip - Peoplesoft	6.670
12	392	392000	Transportation Equipment	5.840
13	393	393000	Stores Equipment	4.000
14	394	394000	Tools, Shop & Garage Equipment	5.000
15	395	395000	Lab Equipment - General Plant	5.000
16	396	396000	Power Operated Equip - Gen Plant	2.020
17	397	397000	Communication Equipment - General Plant	6.670
18	397	397000	Communication Bldgs & Towers	6.670
19	397	397001	Communication Eq - ECS - General Plant	6.670
20	398	398000	Misc Equip - General Plant	5.000

NOTES:

- (1) Depreciation Rates approved in KPSC Case No. 2021-00103.

East Kentucky Power Cooperative  
Utilizing EKPC 2021 Form FF1 Data (ver. FINAL - AUDITED)

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

<u>Line No.</u>		<u>M&amp;S</u>	<u>Percentage</u>	<u>Acct 163 <sup>(2)</sup></u>	<u>Total M&amp;S <sup>(3)</sup></u>
1	Production	\$ 51,438,650	61.76%	-	
2	Transmission	31,765,805	38.14%	-	
3	Distribution	78,901	0.09%	-	
4	Total M&S	<u>\$ 83,283,356</u>	<u>100.00%</u>	<u>-</u>	<u>\$ 31,765,805</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.

For the 12 months ended 12/31/2021

**East Kentucky Power Cooperative, Inc.**  
**Utilizing EKPC 2021 Form FF1 Data (ver. FINAL - AUDITED)**

**Detail of Land Held for Future Use (1)**

<u>Line No.</u>	<u>Property Description</u>	<u>Non-Transmission Related</u>		<u>Reported on EKPC Form FF1</u>
		<u>Transmission Related</u>	<u>Portion</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 2021 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	<b>General Advertising - Account 930.1</b>	Form FF1, P. 321, col. B
		\$ 302,878
2	Amount of Safety Related Advertising	<u>-</u>
3	Amount of Non-Safety Related Advertising (1)	Note 1
		<u>\$ 302,878</u>
4	<b>Regulatory Commission Expense - Account 928</b>	Note 2
		\$ 1,579,374
5	Less: Regulatory Expense unrelated to transmission (2)	Note 3
		(1,326,098)
6	Regulatory Expense Assoc w FERC Transmission Tariff	Note 4
		13,461
7	Regulatory Commission Expense Related to Transmission	
		<u>\$ 266,737</u>
8	<b>PJM Integration Costs</b>	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 2021 Form FF1 Data (ver. FINAL - AUDITED)**

**Balancing Authority Costs**

Line No.		EKPC
	<b>A&amp;G Expense</b>	
1	A&G Expense, Page 321, line 168, Current Year	\$ 41,038,715
2	Adjustments	-
3	Adjusted A&G Expense - To Attachment H-24A, Page 3 of 5, Line 3	<u>\$ 41,038,715</u>
	<b>Transmission Expense</b>	
4	Transmission Expense, EKPC Form FF1, Ref Pg 321, line 100, Current Year	\$ 62,512,517
5	Adjustments	-
6	Adjusted Transmission Expense - To Attachment H-24A, Page 3 of 5, Line 1	<u>\$ 62,512,517</u>
	<b>Balancing Authority Costs in 561 through 561.3</b>	
7	B.A. Costs in Transmission Expense on EKPC Form FF1, Ref Pg 321	\$ 3,972,539
8	Less TVA Reliability Service Payments EKP Subaccount 561100	-
9	Adjusted B.A. Costs	\$ 3,972,539
10	Total Balancing Authority Costs (561.BA) in Adj Transmission Exp	\$ -
11	Revenue Credits for Sched 1 / Acct 561 (2)	\$ 3,972,539

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 2021 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)	\$                    27,605,473
2    Sole use Property	-
3    Distribution Use	-
4    Transmission plant included in OATT Ancillary Services (2)	\$                    27,605,473

Notes:

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(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



For the 12 months ended 12/31/2021

**East Kentucky Power Cooperative, Inc.  
Utilizing EKPC 2021 Form FF1 Data (ver. FINAL - AUDITED)**

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

		<u>Account 454</u>	
		<u>EKPC</u>	
1	Per Books Total, Page 300 (Total Accts 440-459)	\$	952,047,212
2	Tower Lease Revenues in per Books Total above		-
3	Rent from Electric Property FF1 Pg 300, Account 454	Note 1	188,248
4	Portion Attributable to Transmission		100.0%
5	Revenue Credit Applicable to Attachment H-24A		<u>\$ 188,248</u>
6	Total Account 454	Note 2	<u>\$ 188,248</u>
		<u>Account 456, 459</u>	
		<u>EKPC</u>	
7	EKPC Form FF1, Page 300, Accounts 456 - 459	Note 3	\$ 18,157,348
Remove Non-Transmission and Non-ISO Related Revenues:			
8	Production (Accts 456010, 456042, 456043 and 459000)		14,365,926
9	Common Transmission		-
10	Distribution		-
11	Customer Account (Accounts 456054 and 456057)		98,233
12	Administrative and General (Acct 456003)		600
13	Acct 456 less non-transmission and non-ISO revenue		<u>\$ 3,692,588</u>
14	Total EKPC Account 456130 Transmission Service		<u>2,369,716</u>
15	Adjusted Total Accounts 456 - 459		<u>\$ 1,322,872</u>
		<u>GFA Revenues</u>	
16	Less: AEP Revenue from retained legacy agreement	Note 4	\$ 131,876
17	Total Other Transmission Revenue Credits	Note 5	<u>\$ 1,190,997</u>

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 2021 Form FF1 Data (ver. FINAL - AUDITED)

Capital Structure  
As of December 31, 2021  
(In Dollars)

Line  
No. Description

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**Development of Cost of L.T. Interest**

1	Long term Interest (Note 1)	\$	86,985,390
2	Outstanding Long Term Debt (Note 2)	\$	2,537,313,018
3	<b>Average Cost of Debt (Line 1/Line 2)</b>		<b>3.428%</b>

**Development of Required Return**

		Value	Percent	Cost (Note 4)	Weighted Cost
4	Long Term Debt	\$ 2,537,313,018	76.78%	3.428%	2.632%
5	Proprietary Capital (Note 3)	<u>767,457,691</u>	23.22%	10.809%	<u>2.510%</u>
6	Total (Line 4 plus Line 5)	\$ 3,304,770,709			<b>5.142%</b>
7	<b>Effective TIER (Note 4)</b>			<b>TIER =</b>	<b>1.50</b>

Notes:

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1. EKPC Form FF1 Ref Pg 117 Row 58, Column b, Current Year
2. EKPC Form FF1 for 2021 Ref Pg 112, Row 23 Bal at End of Year
3. EKPC Form FF1 for 2021 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)	2,558,690	2,728,652	2,209,007	2,090,272	1,959,813	2,250,928	2,215,911	2,325,019	2,019,535	1,716,860	2,252,164	2,152,102	26,478,954	2,206,580
2	EKPC Firm Transmission for Others (kW)														
3		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
4	Duke Kentucky	15,197	13,737	7,807	8,398		13,539	12,187	13,838	11,929	9,382	8,922	8,689	123,625	10,302
5	KYMEA (City of Falmouth)	2,700	2,600	2,330	2,250	3,530	4,020	3,810	4,010	3,670	2,900	2,410	2,400	36,630	3,053
6	KU/LGE														
7	Bedford	3,232	3,352	2,336	2,378	2,301	2,892	2,813	3,073	2,560	1,991	2,720	2,664	32,313	2,693
8	Columbia	6,128	6,624	5,149	4,656	5,435	6,499	6,444	6,979	5,999	4,862	5,652	5,286	69,713	5,809
9	Columbia South	4,624	5,297	3,724	3,586	3,928	4,640	4,604	4,760	4,146	3,397	4,208	4,040	50,952	4,246
10	Garrard	9	6	5	5	5	5	5	5	5	5	12	10	80	7
11	Horse Cave	33,854	34,642	36,941	33,720	39,734	43,584	40,939	40,190	42,696	33,811	35,789	36,490	452,390	37,699
12	Hunters Bottom	1,981	2,022	1,461	1,369	1,199	2,677	1,498	2,949	1,277	1,036	1,630	1,651	20,940	1,745
13	Liberty	10,050	11,220	8,677	7,913	6,845	7,838	7,679	8,366	6,999	5,287	9,348	8,452	98,674	8,223
14	Mackville	621	787	482	465	353	466	433	493	383	297	525	532	5,836	486
15	Munfordville	4,807	5,380	4,049	3,993	4,727	5,659	5,828	6,134	4,955	4,010	4,475	4,153	58,169	4,847
16	Owingsville	5,660	6,060	5,224	5,324	6,846	7,528	7,247	7,813	6,831	3,789	5,484	5,034	72,840	6,070
17	Revelo	2,889	2,412	2,461	2,410	1,291	1,555	1,595	1,708	1,510	1,089	2,598	2,146	23,666	1,972
18	Russell Springs	9,239	9,685	6,974	6,700	5,694	6,584	6,600	6,828	5,982	4,524	8,176	7,638	84,624	7,052
19	Whitley City	6,322	6,528	4,762	4,342	3,102	3,879	3,982	4,036	3,462	2,562	5,522	4,782	53,362	4,448
20	Subtotal Transmission for KU/LGE	89,417	94,116	82,246	76,861	81,461	93,805	89,657	93,336	86,804	66,661	86,340	82,877	1,023,580	85,298
21	Total EKPC Firm Transmission for Others Subtotal (kW)	107,314	110,453	92,383	87,509	84,991	111,365	105,653	111,184	102,403	78,942	97,672	93,966	1,183,835	98,653
22	Total EKPC Monthly Transmission System Peak Load	<b>2,666,004</b>	<b>2,839,104</b>	<b>2,301,390</b>	<b>2,177,781</b>	<b>2,044,804</b>	<b>2,362,293</b>	<b>2,321,564</b>	<b>2,436,204</b>	<b>2,121,938</b>	<b>1,795,802</b>	<b>2,349,837</b>	<b>2,246,068</b>	<b>27,662,789</b>	<b>2,305,232</b>

**Notes**

(1) Reflects the system peak demand (coincident peak) during a 60-minute clock hour. January 2021 through December 2021 information is sourced from the MV90 system

EKPC - Monthly Total Native Load (EKPTOT)	2,566,252	2,750,180	2,234,205	2,112,215	1,966,840	2,282,192	2,244,684	2,357,331	2,048,474	1,735,558	2,276,296	2,177,672	26,793,898	2,232,825
EKPC Total Load less Wheel-Out Load (EKP - WHEEL)	2,075,106	2,202,205	1,760,479	1,680,673	1,537,645	1,808,566	1,743,664	1,876,635	1,611,933	1,347,427	1,897,167	1,807,889	21,349,389	1,779,116
EKPC Load on LGE/KU Transmission System (KU & LGE)	483,584	526,447	448,529	409,599	422,168	442,362	472,247	448,385	407,603	369,433	354,997	344,213	5,129,566	427,464
EKPC Total Load Excluding DUKE/AEP	2,558,690	2,728,652	2,209,007	2,090,272	1,959,813	2,250,928	2,215,911	2,325,019	2,019,535	1,716,860	2,252,164	2,152,102	26,478,954	2,206,580
EKPTOT less EKPC Total Load Excluding DUKE/AEP	27,562	21,529	25,197	21,943	27,027	31,264	28,773	32,311	28,939	18,698	26,131	25,570	314,944	26,245
EKPC Subs fed by DUKE (CINERGY)	20,016	15,255	18,456	15,574	21,341	24,009	22,235	24,768	22,756	14,257	18,991	18,575	236,233	19,686
EKPC Subs fed by AEP (KP_TOTAL)	7,546	6,274	6,741	6,369	5,686	7,255	6,538	7,543	6,193	4,440	7,141	6,995	78,711	6,559
EKPC Subs fed by DUKE/AEP	27,562	21,529	25,197	21,943	27,027	31,264	28,773	32,311	28,939	18,698	26,131	25,570	314,944	26,245
Check Difference	(0)	0	0	0	(0)	0	(0)	0	(0)	0	0	0		