

AEP East Companies  
Transmission Cost of Service Formula Rate  
Utilizing Actual/Projected FERC Form 1 Data

Twelve Months Ended 2021

WHEELING POWER COMPANY

Line No.						Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 130)	Total			\$14,884,960
2	REVENUE CREDITS	(Worksheet E Ln 8) (Note A)	1,931,000	DA	1.00000	\$ 1,931,000
3	Facility Credits under PJM OATT Section 30.9	(Worksheet E Ln 9) (Note X)				\$ -
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)				\$ 12,953,960

MEMO: The Carrying Charge Calculations on lines 7 to 12 below are used in calculating project revenue requirements billed through PJM Schedule 12, Transmission Enhancement Charges. The total non-incentive revenue requirements for these projects shown on line 5 is included in the total on line 4.

5	Revenue Requirement for PJM Schedule 12 Facilities (w/o incentives) (Worksheet J/K)	118,222	DA	1.00000	\$ 118,222
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)				
7	Annual Rate	( (In 1 - In 95)/((In 42) x 100) )			12.31%
8	Monthly Rate	(In 7 / 12)			1.03%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)				
10	Annual Rate	( (In 1 - In 95 - In 100 ) /((In 42) x 100) )			10.24%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)				
12	Annual Rate	( (In 1 - In 95 - In 100 - In 125 - In 126) /((In 42) x 100) )			2.96%
13	ADDITIONAL REVENUE REQUIREMENT for projects w/ incentive ROE's (Note B) (Worksheet J/K)				
14	REVENUE REQUIREMENT FOR SCHEDULE 1A CHARGES				
15	Total Load Dispatch & Scheduling (Account 561)	Line 75 Below			1,210,000
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)				912,000
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)				245,000
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)			53,000

AEP East Companies  
Transmission Cost of Service Formula Rate  
Utilizing Actual/Projected FERC Form 1 Data

WHEELING POWER COMPANY

	(1)	(2)	(3)	(4)	(5)
	<b>RATE BASE CALCULATION</b>	<b>Data Sources (See "General Notes")</b>	<b>TO Total NOTE C</b>	<b>Allocator</b>	<b>Total Transmission</b>
Line No.					
19	GROSS PLANT IN SERVICE				
19	Production	(Worksheet A in 14.(b))	1,049,871,000	NA	0.00000
20	Less: Production ARO (Enter Negative)	(Worksheet A in 14.(c))	(7,145,000)	NA	0.00000
21	Transmission	(Worksheet A in 14.(d) & TCOS Ln 134)	161,118,000	DA	149,522,000
22	Less: Transmission ARO (Enter Negative)	(Worksheet A in 14.(e))	-	TP	0.92803
23	Distribution	(Worksheet A in 14.(f))	238,814,000	NA	0.00000
24	Less: Distribution ARO (Enter Negative)	(Worksheet A in 14.(g))	(26,000)	NA	0.00000
25	General Plant	(Worksheet A in 14.(h))	10,368,000	W/S	0.03164
26	Less: General Plant ARO (Enter Negative)	(Worksheet A in 14.(i))	-	W/S	0.03164
27	Intangible Plant	(Worksheet A in 14.(j))	6,551,000	W/S	0.03164
28	TOTAL GROSS PLANT	(sum Ins 19 to 27)	1,459,551,000	<b>GP</b>	<b>0.102811</b>
				<b>GTD=</b>	<b>0.37389</b>
29	ACCUMULATED DEPRECIATION AND AMORTIZATION				
30	Production	(Worksheet A in 28.(b))	466,534,000	NA	0.00000
31	Less: Production ARO (Enter Negative)	(Worksheet A in 28.(c))	(3,195,000)	NA	0.00000
32	Transmission	(Worksheet A in 28.(d) & In 43.(c))	35,049,000	<b>TP1=</b>	0.81691
33	Less: Transmission ARO (Enter Negative)	(Worksheet A in 28.(e))	-	<b>TP1=</b>	0.81691
34	Distribution	(Worksheet A in 28.(f))	67,978,000	NA	0.00000
35	Less: Distribution ARO (Enter Negative)	(Worksheet A in 28.(g))	(18,000)	NA	0.00000
36	General Plant	(Worksheet A in 28.(h))	3,372,000	W/S	0.03164
37	Less: General Plant ARO (Enter Negative)	(Worksheet A in 28.(i))	-	W/S	0.03164
38	Intangible Plant	(Worksheet A in 28.(j))	2,686,000	W/S	0.03164
39	TOTAL ACCUMULATED DEPRECIATION	(sum Ins 30 to 38)	572,406,000		84,974
					28,823,651
40	NET PLANT IN SERVICE				
41	Production	(In 19 + In 20 - In 30 - In 31)	579,387,000		-
42	Transmission	(In 21 + In 22 - In 32 - In 33)	126,069,000		120,890,000
43	Distribution	(In 23 + In 24 - In 34 - In 35)	170,828,000		-
44	General Plant	(In 25 + In 26 - In 36 - In 37)	6,996,000		221,325
45	Intangible Plant	(In 27 - In 38)	3,865,000		122,273
46	TOTAL NET PLANT IN SERVICE	(sum Ins 41 to 45)	887,145,000	<b>NP</b>	<b>0.136656</b>
					121,233,598
47	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)			
48	Account No. 281.1 (enter negative)	(Worksheet B, In 2 & In 5.E)	(47,933,500)	NA	-
49	Account No. 282.1 (enter negative)	(Worksheet B, In 7 & In 10.E)	(138,049,000)	DA	(24,814,500)
50	Account No. 283.1 (enter negative)	(Worksheet B, In 12 & In 15.E)	(28,498,000)	DA	(470,500)
51	Account No. 190.1	(Worksheet B, In 17 & In 20.E)	9,333,500	DA	578,500
52	Account No. 255 (enter negative)	(Worksheet B, In 24 & In 25.E)	-	DA	-
53	TOTAL ADJUSTMENTS	(sum Ins 48 to 52)	(205,147,000)		(24,706,500)
54	PLANT HELD FOR FUTURE USE	(Worksheet A in 44.(e) & In 45.(e))	-	DA	-
55	REGULATORY ASSETS	(Worksheet A in 51.(e))	-	DA	-
56	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y)	(Worksheet A in 54.(e))	(4,000)	W/S	0.03164
					(127)
57	WORKING CAPITAL	(Note E)			
58	Cash Working Capital	(1/8 * In 78)	145,500		135,028
59	Transmission Materials & Supplies	(Worksheet C, In 2.(F))	3,000	TP	0.92803
60	A&G Materials & Supplies	(Worksheet C, In 3.(F))	4,000	W/S	0.03164
61	Stores Expense	(Worksheet C, In 4.(F))	-	GP	0.10281
62	Prepayments (Account 165) - Labor Allocated	(Worksheet C, In 8.G)	9,430,000	W/S	0.03164
63	Prepayments (Account 165) - Gross Plant	(Worksheet C, In 8.F)	911,000	GP	0.10281
64	Prepayments (Account 165) - Transmission Only	(Worksheet C, In 8.E)	-	DA	1.00000
65	Prepayments (Account 165) - Unallocable	(Worksheet C, In 8.D)	(8,934,000)	NA	0.00000
66	TOTAL WORKING CAPITAL	(sum Ins 58 to 65)	1,559,500		529,926
67	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, In 8.B)	-	DA	1.00000
					-
68	RATE BASE (sum Ins 46, 53, 54, 55, 56, 66, 67)		683,553,500		97,056,898

AEP East Companies  
Transmission Cost of Service Formula Rate  
Utilizing Actual/Projected FERC Form 1 Data

WHEELING POWER COMPANY

	(1)	(2)	(3)	(4)	(5)
	EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	Data Sources (See "General Notes")	TO Total	Allocator	Total Transmission
Line No.	OPERATION & MAINTENANCE EXPENSE				
69	Production	321.80.b	146,205,000		
70	Distribution	322.156.b	19,663,000		
71	Customer Related Expense	322 & 323.164,171,178.b	1,952,000		
72	Regional Marketing Expenses	322.131.b	790,000		
73	Transmission	321.112.b	58,413,000		
74	TOTAL O&M EXPENSES	(sum Ins 69 to 73)	227,023,000		
75	Less: Total Account 561	(Note G) (Worksheet F, In 14.C)	1,210,000		
76	Less: Account 565	(Note H) 321.96.b	56,039,000		
77	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, In 4.C)	-		
78	Total O&M Allocable to Transmission	(Ins 73 - 75 - 76 - 77)	1,164,000	TP 0.92803	1,080,224
79	Administrative and General	323.197.b (Notes J and M)	10,114,000		
80	Less: Acct. 924, Property Insurance	323.185.b	562,000		
81	Acct. 9260039 PBOP Expense	PBOP Worksheet O Line 9 & 10, (Note K)	(592,000)		
82	Acct. 9260057 PBOP Medicare Subsidy	PBOP Worksheet O Line 11, (Note K)	-		
83	PBOP Expense Billed From AEPSC	PBOP Worksheet O Line 13, (Note K)	(89,000)		
84	Acct. 928, Reg. Com. Exp.	323.189.b	42,000		
85	Acct. 930.1, Gen. Advert. Exp.	323.191.b	2,000		
86	Acct. 930.2, Misc. Gen. Exp.	323.192.b	134,000		
87	Balance of A & G	(In 79 - sum In 80 to In 86)	10,055,000	W/S 0.03164	318,100
88	Plus: Acct. 924, Property Insurance	(In 80)	562,000	GP 0.10281	57,780
89	Acct. 928 - Transmission Specific	Worksheet F In 20.(E) (Note L)	(3,000)	TP 0.92803	(2,784)
90	Acct 930.1 - Only safety related ads -Direct	Worksheet F In 37.(E) (Note L)	-	TP 0.92803	-
91	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F In 43.(E) (Note L)	2,000	DA 1.00000	2,000
92	Settlement Approved PBOP Recovery	PBOP Worksheet O, Col. C (Note M)	(1,909,396)	W/S 0.03164	(60,406)
93	A & G Subtotal	(sum Ins 87 to 92)	8,706,604		314,689
94	O & M EXPENSE SUBTOTAL	(In 78 + In 93)	9,870,604		1,394,914
95	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		-	DA 1.00000	-
96	TOTAL O & M EXPENSE	(In 94 + In 95)	9,870,604		1,394,914
97	DEPRECIATION AND AMORTIZATION EXPENSE				
98	Production	336.2-6.f	30,352,000	NA 0.00000	-
99	Distribution	336.8.f	8,891,000	NA 0.00000	-
100	Transmission	336.7.f	3,065,000	TP1 0.81691	2,503,840
101	General	336.10.f	339,000	W/S 0.03164	10,725
102	Intangible	336.1.f	1,151,000	W/S 0.03164	36,413
103	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 98+99+ 100+101+102)	43,798,000		2,550,977
104	TAXES OTHER THAN INCOME	(Note N)			
105	Labor Related				
106	Payroll	Worksheet H In 22.(D)	972,000	W/S 0.03164	30,750
107	Plant Related				
108	Property	Worksheet H In 22.(C)	6,541,000	DA	1,997,642
109	Gross Receipts/Sales & Use	Worksheet H In 22.(F)	11,301,000	NA 0.00000	-
110	Other	Worksheet H In 22.(E)	1,054,000	GP 0.10281	108,362
111	TOTAL OTHER TAXES	(sum Ins 106 to 110)	19,868,000		2,136,754
112	INCOME TAXES	(Note O)			
113	$T=1 - (((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =$		26.12%		
114	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		27.19%		
115	where WCLTD=(In 154) and WACC = (In 157)				
116	and FIT, SIT & p are as given in Note O.				
117	$GRCF=1 / (1 - T) =$ (from In 113)		1,3536		
118	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	-		
119	Excess Deferred Income Tax	(Note U)	(3,647,000)	DA	(95,000)
120	Tax Effect of Permanent and Flow-Through Differences	(Note U)	787,000	DA	27,000
121	Income Tax Calculation	(In 114 * In 126)	13,391,671		1,901,466
122	ITC adjustment	(In 117 * In 118)	-	GP 0.10281	-
123	Excess Deferred Income Tax	(In 117 * In 119)	(4,936,652)		(128,594)
124	Tax Effect of Permanent and Flow-Through Differences	(In 117 * In 120)	1,065,299		36,548
125	TOTAL INCOME TAXES	(sum Ins 121 to 124)	9,520,318		1,809,420
126	RETURN ON RATE BASE (Rate Base*WACC)	(In 68 * In 157)	49,249,637		6,992,894
127	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, In 2.(B))		-	DA 1.00000	-
128	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, In 4, Cols. ((F) & (H))		-		-
129	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (In 128 * In114)		-		-
130	TOTAL REVENUE REQUIREMENT		132,306,559		14,884,960
	(sum Ins 96, 103, 111, 125, 126, 127, 128, 129)				

AEP East Companies  
Transmission Cost of Service Formula Rate  
Utilizing Actual/Projected FERC Form 1 Data

WHEELING POWER COMPANY

SUPPORTING CALCULATIONS

In No.	TRANSMISSION PLANT INCLUDED IN PJM TARIFF									
131	Total transmission plant	(In 21)								161,118,000
132	Less transmission plant excluded from PJM Tariff (Worksheet A, In 42, Col. (d)) (Note P)									-
133	Less transmission plant included in OATT Ancillary Services (Worksheet A, In 42, Col. (b)) (Note Q)									11,596,000
134	Transmission plant included in PJM Tariff	(In 131 - In 132 - In 133)								149,522,000
135	Percent of transmission plant in PJM Tariff	(In 134 / In 131)						TP=		0.92803
136	WAGES & SALARY ALLOCATOR (W/S)	(Note R)	Direct Payroll	Payroll Billed from AEP Service Corp.	Total					
137	Production	354.20.b	11,714,000	6,000	11,720,000	NA	0.00000			-
138	Transmission	354.21.b	1,000	528,000	529,000	TP	0.92803			490,927
139	Regional Market Expenses	354.22.b	0	0	-	NA	0.00000			-
140	Distribution	354.23.b	2,145,000	272,000	2,417,000	NA	0.00000			-
141	Other (Excludes A&G)	354.24,25,26.b	475,000	377,000	852,000	NA	0.00000			-
142	Total	(sum Ins 137 to 141)	14,335,000	1,183,000	15,518,000					490,927
143	Transmission related amount							W/S=		0.03164
144	WEIGHTED AVERAGE COST OF CAPITAL (WACC)									\$
145	Long Term Interest	(Worksheet M, In. 37, col. (d))								12,538,000
146	Preferred Dividends	(Worksheet M, In. 71)								-
147	Development of Common Stock:									
148	Proprietary Capital	(Worksheet M, In. 14, col. (b))								403,312,000
149	Less: Preferred Stock	(Worksheet M, In. 14, col. (c))								-
150	Less: Account 216.1	(Worksheet M, In. 14, col. (d))								-
151	Less: Account 219	(Worksheet M, In. 14, col. (e))								162,000
152	Common Stock	(In 148 - In 149 - In 150 - In 151)								403,150,000
153			\$	%	Cap Limit	Cost (Note S)			Weighted	
154	Long Term Debt (Note T) Worksheet M, In 28, col. (g), In 38, col. (d))		350,000,000	46.47%	46.47%	3.58%				0.0166
155	Preferred Stock (In 149)		-	0.00%	0.00%	-				0.0000
156	Common Stock (In 152)		403,150,000	53.53%	53.53%	10.35%				0.0554
157	Total (Sum Ins 154 to 156)		753,150,000					WACC=		0.0720
158	Capital Structure Equity Limit (Note Z)	55%								

AEP East Companies  
Transmission Cost of Service Formula Rate  
Utilizing Actual/Projected FERC Form 1 Data

WHEELING POWER COMPANY

Letter	Notes						
	General Notes: a) References to data from Worksheets are indicated as: Worksheet X, Line#.Column.X						
A	Revenue credits include: 1) Forfeited Discounts. 2) Miscellaneous Service Revenues. 3) Rental revenues earned on assets included in the rate base. 4) Revenues for associated business projects provided by employees whose labor and overhead costs are in the transmission cost of service. 5) Other electric revenues. 6) Revenues for grandfathered PTP contracts included in the load divisor. 7) If AEP East companies have any directly assigned transmission facilities, the revenue credits in the AEP East formula rate shall include all revenues associated with those directly assigned transmission facilities, irrespective of whether the loads of the customer are included in the formula rate divisor; provided however, such addition to revenue credits shall not be reflected if the costs of such directly assigned transmission facilities are not included in the transmission plant balances on which the formula rate ATRR is based. See Worksheet E for details.						
B	The annual and monthly net plant carrying charges on page 1 are used to compute the revenue requirement for RTEP sponsored upgrades or those projects receiving approved incentive-ROE's. Interest will be calculated based on Worksheet Q and any over under recovery will be filed and posted as part of the informational filing.						
C	Transmission Plant Balances in this study are projected or actual average of 13-month balances.						
D	The total-company balances shown for Accounts 281, 282, 283, 190 only reflect ADIT that relates to utility operations. The balance of Account 255 is reduced by prior flowthrough and is completely excluded if the utility chose to utilize amortization of tax credits against FIT expense. An exception to this is pre-1971 ITC balances, which are required to be taken as an offset to rate base. Account 281 is not allocated. In compliance with FERC Rulemaking the calculation of ADIT in the annual projection will be performed in accordance with IRS regulation Section 1.167(f)-1(h)(6)(i). RMO2-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B. The company will not include the ADIT portion of deferred hedge gains and losses in rate base. Detailed balances for the projected or actual period, distinguished between utility and non-utility balances, will be filed and posted as part of the information filing.						
E	Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission, as shown on line 78. It excludes: 1) Load Scheduling & Dispatch Charges in account 561 that are collected in the OATT Ancillary Services Revenue, as shown on line 75. 2) Costs of Transmission of Electricity by Others, as described in Note H. 3) The impact of state regulatory deferrals and amortizations, as shown on line 77 4) All A&G Expenses, as shown on line 93.						
F	Consistent with Paragraph 657 of Order 2003-A, the amount on line 67 is equal to the balance of IPP System Upgrade Credits owed to transmission customers that made contributions toward the construction of System upgrades, and includes accrued interest and unreturned balance of contributions. The annual interest expense is included on line 127.						
G	Removes from the cost of service the Load Scheduling and Dispatch expenses booked to accounts 561.1 through 561.8. Expenses recorded in these accounts, with the exception of 561.4 & 561.8 (lines 16 & 17 above) are recovered in Schedule 1A, OATT ancillary services rates. See Worksheet F, lines 5 through 14, for descriptions and the Form 1 Source of these accounts' balances.						
H	Removes cost of transmission service provided by others to determine the basis of cash working capital on line 78. To the extent such service is incurred to provide the PJM service at issue, e.g. lease payments to affiliates, such cost is added back on line 95 to determine the total O&M collected in the formula. The amounts on line 95 is also excluded in the calculation of the FCR percentage calculated on lines 6 through 12. The addbacks on line 95 of activity recorded in 565 represents inter-company sales or purchases of transmission capacity necessary to meet each AEP company's transmission load relative to their available transmission capacity. The company records referenced on line 95 is the WHEELING POWER COMPANY general ledger.						
I	Removes the impact of state regulatory deferrals or their amortization from Transmission O&M expense.						
J	General Plant and Administrative & General expenses, other than in accounts 924, 928, and 930, will be functionalized based on the Wages & Salaries "W/S" allocator. The allocation basis for accounts 924, 928 and 930 are separately presented in the formula. A change in the allocation method for an account must be approved via a 205 filing with the FERC.						
K	These deductions on lines 81 through 83 are to remove from the cost of service the expenses recorded by the company for Postemployment Benefits Other than Pensions (PBOP). See Note M below for the recoverable PBOP expense.						
L	Expenses recorded in FERC Accounts 928 (Regulatory Commission Expense), 930.1 (Safety Related Advertising) and 930.2 (Miscellaneous General Expenses) that are not directly related to or properly allocable to transmission service will be removed from the TCOS. If AEP includes any expenses booked to these accounts in future ATRR updates, AEP must provide supporting information demonstrating that the underlying activities are directly related to providing transmission service. Account 930.2 includes the expenses incurred by the transmission function for Associated Business Development revenues given as a credit to the TCOS on Worksheet E.						
M	See note K above. Per the settlement in Docket ER08-1329, recoverable PBOP expense is based on an annual total for the operating companies that is ratioed to them based on the total of actual annual PBOP costs, including charges from the AEP Service Corporation. The calculation of the recoverable amount for each company is shown on Worksheet O.						
N	Includes only FICA, unemployment, highway, property and other assessments charged in the current year. Gross receipts, sales & use and taxes related to income are excluded.						
O	The currently effective income tax rate, where FIT is the Federal income tax rate; SIT is the State income tax rate, and p = the percentage of federal income tax deductible for state income taxes. See Worksheet G for the development of the Company's composite SIT. A utility that elected to utilize amortization of tax credits against taxable income, rather than book tax credits to Account No. 255 and reduce rate base, must reduce its income tax expense by the amount of the Amortized Investment Tax Credit (Form 1, 266.8.f) (In 118) multiplied by (1/(1-T)). If the applicable tax rates are zero enter 0. Inputs Required: <table><tr><td>FIT =</td><td>21.00%</td></tr><tr><td>SIT=</td><td>6.49% (State Income Tax Rate or Composite SIT. Worksheet G)</td></tr><tr><td>p =</td><td>0.00% (percent of federal income tax deductible for state purposes)</td></tr></table> If the statutory tax rates change during such period, the effective tax rates used in the formula shall be weighted by the number of days the pre-change rate and post-change rate each is in effect.	FIT =	21.00%	SIT=	6.49% (State Income Tax Rate or Composite SIT. Worksheet G)	p =	0.00% (percent of federal income tax deductible for state purposes)
FIT =	21.00%						
SIT=	6.49% (State Income Tax Rate or Composite SIT. Worksheet G)						
p =	0.00% (percent of federal income tax deductible for state purposes)						
P	Removes plant excluded from the OATT because it does not meet the PJM's definition of Transmission Facilities or is otherwise ineligible to be recovered under the OATT.						
Q	Removes transmission plant (e.g. step-up transformers) included in the development of OATT ancillary service rates and not already removed for reasons indicated in Note P.						
R	Includes functional wages & salaries billed by AEP Service Corporation for support of the operating company.						
S	Long Term Debt cost rate = Long-Term Interest (In 145) / Long-Term Debt (In 154). Preferred Stock cost rate = preferred dividends (In 146) / preferred outstanding (In 155). Common Stock cost rate (ROE) = 10.35%, the rate accepted by FERC in Docket No. ER08-1329. It includes an additional 50 basis points for PJM RTO Membership. The amount of eligible hedging gains or losses included in total interest expense is limited to five basis points of the capital structure. Details and calculations of the weighted average cost of capital are shown on Worksheet M. Eligible Hedging Gains and Losses are computed on Worksheet M. The unamortized balance of eligible hedge gains/losses and related ADIT amounts shall not flow through the formula rate.						
T	The Long Term Debt balance for I&M includes the accumulated balance of principle and related interest for Spent Nuclear Fuel Disposal Costs collected prior to April 7, 1983. This total balance of \$265,249,280 at 12/31/12 is not included in the balance in line 154 above. The cost rates for long-term debt shall include interest expense and related periodic expenses (such as remarketing and letter of credit fees) as recorded in FERC Account 427 or 430, amortization of issuance costs (including insurance) and discounts as recorded in FERC Account 428, issuance premiums as recorded in FERC Account 429 and losses or gains on reacquired debt as recorded in FERC Accounts 428.1 or 429.1, respectively. The cost rates for preferred stock (if applicable) shall include the dividends.						
U	Excess / (Deficit) Deferred Income Taxes will be amortized over the average remaining life of the assets to which it relates, unless the Commission requires a different amortization period. The Tax Effect of Permanent Differences captures the differences in the income taxes due under the Federal and State tax calculations that are not the result of a timing difference, including but not limited to depreciation related to capitalized AFUDC equity and meals and entertainment deductions. The Tax Effect of Flow-Through differences captures current tax expense related to timing differences on items for which tax deductions were used to reduce customer rates through the use of flow-through accounting in a prior period. Transmission balances for the projected or actual period, will be filed and posted as part of the informational filing.						
V	Cash investment in prepaid pension and benefits recorded in FERC Account 165 is permitted to be included in the formula. A labor expense allocation factor will be used to allocate total company costs. All other prepayments recorded in FERC Account 165 are directly assigned to the transmission function, allocated or excludable balances detailed on Worksheet C.						
W	The formula rate shall allocate property tax expense based on the as filed net plant cost allocation method detailed on Worksheet H.						
X	Under Section 30.9 of the PJM OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties.						
Y	The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilities recorded to Accounts 228.1-228.4 from rate base.						
Z	Per the settlement in EL17-13, equity is limited to 55% in of the Company's capital structure. If the percentage of actual equity exceeds the cap, the excess is included as long term debt in the capital structure.						

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet A Rate Base  
WHEELING POWER COMPANY

Line No	Month (a)	Gross Plant In Service								
		Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 46	FF1, page 205&204 Col.(g)&(b), Ins 15,24,34,44	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	Acct. 359.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 75	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 74	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	Acct. 399.1 FF1, page 207 Col.(g) & pg. 206 Col. (b), In 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), In 5
1	December Prior to Rate Year	1,048,607,000	7,145,000	159,336,000	-	234,627,000	26,000	10,349,000	-	6,096,000
2	January	1,048,717,000	7,145,000	159,315,000	-	235,200,000	26,000	10,352,000	-	6,085,000
3	February	1,048,789,000	7,145,000	159,295,000	-	235,730,000	26,000	10,354,000	-	6,222,000
4	March	1,048,878,000	7,145,000	159,307,000	-	236,438,000	26,000	10,358,000	-	6,205,000
5	April	1,049,057,000	7,145,000	159,291,000	-	237,138,000	26,000	10,361,000	-	6,341,000
6	May	1,049,264,000	7,145,000	159,276,000	-	237,827,000	26,000	10,364,000	-	6,476,000
7	June	1,049,412,000	7,145,000	159,262,000	-	239,055,000	26,000	10,368,000	-	6,512,000
8	July	1,049,506,000	7,145,000	162,676,000	-	239,748,000	26,000	10,371,000	-	6,646,000
9	August	1,049,540,000	7,145,000	162,732,000	-	240,446,000	26,000	10,374,000	-	6,781,000
10	September	1,050,013,000	7,145,000	162,947,000	-	241,078,000	26,000	10,379,000	-	6,804,000
11	October	1,051,104,000	7,145,000	163,386,000	-	241,706,000	26,000	10,383,000	-	6,938,000
12	November	1,051,988,000	7,145,000	163,698,000	-	242,378,000	26,000	10,387,000	-	7,072,000
13	December of Rate Year	1,053,454,000	7,145,000	164,011,000	-	243,209,000	26,000	10,390,000	-	6,991,000
14	Average of the 13 Monthly Balances	1,049,871,000	7,145,000	161,118,000	-	238,814,000	26,000	10,368,000	-	6,551,000

  

Line No	Month (a)	Accumulated Depreciation								
		Production (b)	Production ARO (c)	Transmission (d)	Transmission ARO (e)	Distribution (f)	Distribution ARO (g)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 219, Ins 20-24, Col. (b)	Company Records (Included in total in Column (b))	FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, In 26, Col. (b)	Company Records (Included in total in Column (f))	FF1, page 219, In 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, In 21, Col. (b)
15	December Prior to Rate Year	453,875,000	3,075,000	33,887,000	-	64,767,000	18,000	3,216,000	-	2,504,000
16	January	456,006,000	3,095,000	34,079,000	-	65,292,000	18,000	3,242,000	-	2,427,000
17	February	458,136,000	3,115,000	34,272,000	-	65,819,000	18,000	3,268,000	-	2,515,000
18	March	460,215,000	3,135,000	34,464,000	-	66,350,000	18,000	3,294,000	-	2,450,000
19	April	462,298,000	3,155,000	34,656,000	-	66,882,000	18,000	3,320,000	-	2,540,000
20	May	464,425,000	3,175,000	34,849,000	-	67,418,000	18,000	3,346,000	-	2,633,000
21	June	466,533,000	3,195,000	35,041,000	-	67,957,000	18,000	3,372,000	-	2,632,000
22	July	468,684,000	3,215,000	35,234,000	-	68,499,000	18,000	3,398,000	-	2,728,000
23	August	470,835,000	3,236,000	35,432,000	-	69,045,000	18,000	3,424,000	-	2,826,000
24	September	472,908,000	3,256,000	35,631,000	-	69,594,000	18,000	3,450,000	-	2,816,000
25	October	474,957,000	3,276,000	35,830,000	-	70,145,000	18,000	3,476,000	-	2,917,000
26	November	476,956,000	3,296,000	36,030,000	-	70,698,000	18,000	3,502,000	-	3,020,000
27	December of Rate Year	479,112,000	3,316,000	36,231,000	-	71,254,000	18,000	3,527,000	-	2,910,000
28	Average of the 13 Monthly Balances	466,534,000	3,195,000	35,049,000	-	67,978,000	18,000	3,372,000	-	2,686,000

Line No	Month (a)	OATT Ancillary Services (GSU) Plant In Service (b)	OATT Ancillary Services (GSU) Accumulated Depreciation (c)	Excluded Plant - Plant In Service (d)	Excluded Plant - Accumulated Depreciation (e)
	(Note A)	Company Records (included in total in column (d) of gross plant above)	Company Records (included in total in column (b) of accumulated depreciation above)	Company Records	Company Records
29	December Prior to Rate Year	11,596,000	6,289,000		
30	January	11,596,000	6,311,000		
31	February	11,596,000	6,332,000		
32	March	11,596,000	6,353,000		
33	April	11,596,000	6,375,000		
34	May	11,596,000	6,396,000		
35	June	11,596,000	6,417,000		
36	July	11,596,000	6,439,000		
37	August	11,596,000	6,460,000		
38	September	11,596,000	6,482,000		
39	October	11,596,000	6,503,000		
40	November	11,596,000	6,524,000		
41	December of Rate Year	11,596,000	6,546,000		
42	Average of the 13 Monthly Balances	11,596,000	6,417,000	-	-

43 Transmission Accum Depreciation net of GSU 28,632,000

<u>Plant Held For Future Use</u>		<u>Source of Data</u>	<u>Balance @ December 31, 2021</u>	<u>Balance @ December 31, 2020</u>	<u>Average Balance for 2021</u>
(a)	(b)	(c)	(d)	(e)	
44 <u>Plant Held For Future Use</u>	FF1, page 214, In 47, Col. (d)	-	-	-	-
45 <u>Transmission Plant Held For Future Use</u> (Included in total on line 44)	Company Records - Note 1	-	-	-	-

Regulatory Assets and Liabilities Approved for Recovery in Ratebase

Note: Regulatory Assets & Liabilities can only be included in ratebase pursuant to a 205 filing with the FERC.

46		-
47		-
48		-
49		-
50		-
51	Total Regulatory Deferrals Included in Ratebase	-

Unfunded Reserves Summary (Company Records)

	<u>Description</u>	<u>Account</u>			
52					
53a	Accum Prv I/D Worker's Com	4,000	4,000	4,000	
53b					-
54	Total	4,000	4,000	4,000	

NOTE 1: On this worksheet, "Company Records" refers to AEP's property accounting ledger.

NOTE 2: The ratebase should not include the unamortized balance of hedging gains or losses.

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet B Supporting ADIT and ITC Balances  
WHEELING POWER COMPANY

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) Source</u>	<u>(C) Balance @ December 31, 2021</u>	<u>(D) Balance @ December 31, 2020</u>	<u>(E) Average Balance for 2021</u>
1	<b><u>Account 281</u></b>				
2	Year End Utility Deferrals	FF1, p. 272 - 273, ln 8, Col. (k)	47,371,000	48,496,000	47,933,500
3	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 4 (Note 1)	-	-	-
4	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 3 (Note 1)	47,371,000	48,496,000	47,933,500
5	Transmission Related Deferrals	Ln 2 - ln 3 - ln 4	-	-	-
6	<b><u>Account 282</u></b>				
7	Year End Utility Deferrals	FF1, p. 274 - 275, ln 5, Col. (k)	136,429,000	139,669,000	138,049,000
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	895,000	895,000	895,000
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	110,853,000	113,826,000	112,339,500
10	Transmission Related Deferrals	Ln 7 - ln 8 - ln 9	24,681,000	24,948,000	24,814,500
11	<b><u>Account 283</u></b>				
12	Year End Utility Deferrals	FF1, p. 276 - 277, ln 9, Col. (k)	28,318,000	28,678,000	28,498,000
13	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 13 (Note 1)	-	-	-
14	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 12 (Note 1)	27,851,000	28,204,000	28,027,500
15	Transmission Related Deferrals	Ln 12 - ln 13 - ln 14	467,000	474,000	470,500
16	<b><u>Account 190</u></b>				
17	Year End Utility Deferrals	FF1, p. 234, ln 8, Col. (c)	10,077,000	8,590,000	9,333,500
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)	1,789,000	1,789,000	1,789,000
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	7,662,000	6,270,000	6,966,000
20	Transmission Related Deferrals	Ln 17 - ln 18 - ln 19	626,000	531,000	578,500
21	<b><u>Account 255</u></b>				
22	Year End ITC Balances	FF1, p. 266-267, ln 8, Col. (h)	-	-	-
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	-	-	-
24	ITC Balances Includeable Ratebase	Ln 22 - ln 23	-	-	-
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)	-	-	-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section 1.67(l)-(h)(6)(ii). Line item detail of actual deferred tax items will be included on Worksheets B-1 and B-2.

NOTE 2 ADIT balances should exclude balances related to hedging activity.



(DEBIT)	CREDIT
---------	--------

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS	NON-APPLICABLE/NON-UTILITY			AVERAGE ELECTRIC UTILITY (B+C+D+E)/2	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2020			FUNCTIONALIZATION 12/31/2021		
ACCUMULATED DEFERRED FIT ITEMS		BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2021		GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1.00 ACCOUNT 281:															
2.01															
2.02		0	0			0	0	0	0						
2.03															
2.04		0	0	0	0	0									
2.05		0	0	0	0	0									
2.06		0	0	0	0	0									
3 TOTAL ACCOUNT 281		0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 ACCOUNT 281 - ARO-Related Deferrals		0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 ACCOUNT 282:															
5.01		0	0			0	0	0	0						
5.02		0	0			0	0	0	0						
5.03		0	0			0	0	0	0						
5.04		0	0			0	0	0	0						
5.05		0	0			0	0	0	0						
5.06		0	0			0	0	0	0						
5.07		0	0	0	0	0	0	0	0						
5.08		0	0	0	0	0	0	0	0						
5.09		0	0	0	0	0	0	0	0						
5.10		0	0			0	0	0	0						
5.36		0	0			0	0	0	0						
5.39				0	0	0	0	0	0						
5.40				0	0	0	0	0	0						
5.41				0	0	0	0	0	0						
6 TOTAL ACCOUNT 282		0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 ACCOUNT 282 - ARO-Related Deferrals		0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 ACCOUNT 283:															
9.01		0	0			0	0	0	0						
9.02		0	0			0	0	0	0						
9.03		0	0			0	0	0	0						
9.04		0	0			0	0	0	0						
9.05		0	0			0	0	0	0						
9.06		0	0			0	0	0	0						
9.07		0	0			0	0	0	0						
9.08		0	0			0	0	0	0						
9.94				0	0		0	0	0						
9.95				0	0		0	0	0						
9.96				0	0		0	0	0						
9.97				0	0		0	0	0						
9.98				0	0		0	0	0						
9.99				0	0		0	0	0						
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 DEF'D STATE INCOME TAXES		0	0			0	0	0	0						
11.01				0	0	0									
12 TOTAL ACCOUNT 283		0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 ACCOUNT 283 - ARO-Related Deferrals		0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 JURISDICTIONAL AMOUNTS FUNCTIONALIZED															
15 TOTAL COMPANY AMOUNTS FUNCTIONALIZED															
16 REFUNCTIONALIZED BASED ON JURISDICTIONAL PLANT															
17 NOTE: POST 1970 ACCUMULATED DEFERRED															
18 INV TAX CRED. (JDTTC) IN AC 255															
18.01		0	0			0	0	0	0						
18.02		0	0			0	0	0	0						
19															
20 TOTAL ACCOUNT 255		0	0	0	0	0	0	0	0	0	0	0	0	0	0

## DEBIT (CREDIT)

ACCOUNT 190:							
2.01	0	0		0	0	0	0
2.02	0	0		0	0	0	0
2.03	0	0		0	0	0	0
2.04	0	0		0	0	0	0
2.05	0	0		0	0	0	0
2.06	0	0		0	0	0	0
2.07	0	0		0	0	0	0
2.08	0	0		0	0	0	0
2.09	0	0		0	0	0	0
2.10	0	0		0	0	0	0
2.79	0	0		0	0	0	0
2.80			0	0			
2.81			0	0			
2.82			0	0			
2.83			0	0			
2.84			0	0			
2.85			0	0			
2.86			0	0			
2.87			0	0			
2.88			0	0			
2.89			0	0			
2.90			0	0	0	0	0
2.91	0	0		0	0	0	0
3 TOTAL ACCOUNT 190	0	0	0	0	0	0	0
4 ACCOUNT 190 - ARO-Related Deferrals	0	0	0	0	0	0	0

WHEELING POWER COMPANY, INC.

Worksheet B-3

Excess/ Deficient ADIT Worksheet for Total Company and Functional Balances

For Year Ended December 31, 2019

Debit/(Credit)

A	B	C	D	E
TOTAL COMPANY BALANCES				
Line No.	Account (NOTE A)	Description of Account	Protected Unprotected	Tax Rate Change Act
Deferred Tax Account (NOTE B)				
1a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017
1b	2811001	ADFIT - Accel Amortization Property	Protected	TCJA 2017
1c	2814001	ADFIT - Accel Amort FAS 109 Excess	Protected	TCJA 2017
1d	2821001	ADFIT - Utility Property	Protected	TCJA 2017
1e	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017
1f	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017
1g	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017
1h	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017
1i	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017
1j	NOTE E			
Regulatory Deferral Accounts				
2a	182.3	Regulatory Asset		TCJA 2017
2b	254	Regulatory Liability		TCJA 2017
2c	NOTE E			
3	Total For Accounting Entires (Sum of Lines 1a through 2b)			
TRANSMISSION FUNCTION BALANCES				
Deferred Tax Account (NOTE B)				
4a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017
4b	2821001	ADFIT - Utility Property	Protected	TCJA 2017
4c	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017
4d	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017
4e	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017
4f	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017
4g	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017
4h	NOTE E			
Regulatory Deferral Accounts				
5a	182.3	Regulatory Asset		TCJA 2017
5b	254	Regulatory Liability		TCJA 2017
5c	NOTE E			
6	Total For Accounting Entires (Sum of Lines 4a through 5b)			

GENERAL NOTE: ADIT Tax balances provided in the formula presented in Attachment H-14B are maintained on both a to formula, the information for excess and deficient ADIT is also presented for both total company and the transmission functional summary.

- NOTE A: In order to ensure ratebase neutrality, AEP utilizes the fourth digit of its seven digit FERC Tax subaccount number. The fourth digit of a FERC tax account refers to the utility operations balances or activity. Accounts with the "1" in the fourth position of the account number indicates accounts used to track regulatory accounting requirements balance, which will ensure that in the formula rate the excess or deficiency amounts will be part of ratebase, but the amounts recorded in the "4" accounts will be offset on a net basis in the regulatory asset or liability subaccount.
- NOTE B: The amount of the FIT gross up to be recorded on regulatory assets and liabilities will be reported on the first line of the FIT calculation.
- NOTE C: The amounts of the remeasurement shown here are as of the effective date of the change in tax rates and will be reported on the first line of the FIT calculation.
- NOTE D: The ten year amortization period for unprotected excess ADIT is consistent with the period agreed upon by the *Company, et al*, 166 FERC ¶ 61,135 (2019).
- NOTE E: In the event of future tax rate changes, additional lines will be inserted in both the Total Company and Transmission function that may be necessary to track that tax rate change.
- NOTE F: The amount of excess amortization entries shown in lines 1a through 1j and 4a through 4h are shown as a debit and 6 is the offset recorded to the 410/411 account and will tie to the total company and transmission function service.

F	G	H	I 1/1/2019 Beginning Balances		J
Excess Balance at Remeasurement (NOTE C)	Amortization Methodology (NOTE D)	Amotization Period	Excess ADIT Regulatory Offset		Excess ADIT in Utility Deferrals
(21,108,640)	ARAM	Life of Asset	19,021,327		(20,229,334)
			20,229,334		
(42,122,240)	ARAM	Life of Asset			(41,546,014)
(21,950,878)	10 Years	1/2018 - 12/2027			(8,827,409)
			41,546,014		
			8,827,409		
(3,151,603)	10 Years	1/2018 - 12/2027			953,663
			7,718,111		
			(285,397)		
			(97,056,798)		
(88,333,361)			-		(69,649,094)
(9,984,247)	ARAM	Life of Asset	2,674,429		(9,939,753)
(518,040)	10 Years	1/2018 - 12/2027			(466,253)
			9,939,753		
			466,253		
351,772	10 Years	1/2018 - 12/2027			344,184
			505,504		
			26,808		
			(13,612,747)		
(10,150,515)			-		(10,061,822)

tal company and transmission functional basis. Because both sets of numbers are presented in the on this worksheet. Account 281 only applies to the generation function, so is not presented in the

numbers to identify balances associated with utility operations vs regulatory reporting requirements. A "1" in " designation will be included in the determination of ratebase to be recovered in the formula rate. A "4" nts. The excess ADIT amounts recorded in accounts with the "4" designation will be contra to the "1" ut at the total FERC account level the tax liability or asset will be recorded at the current Federal FIT rate. account established for this purpose.

of ADIT accounts provided for each specific change in tax rates.

l remain static on this workpaper.

Company and its customers and approved for the Company's PJM formula rates. *Appalachian Power*

mission Functional sections above as required to reflect any new ADIT or regulatory deferral accounts

debit or credit to the ADIT account from which it is being amortized. The total in line 3 al amounts of excess or deficient ADIT amortization shown on line 119 of the cost of

K	L	M	N	O	P
Balance Sheet Entries			Tax Expense Entries		12/31/2019 Er
Balance Sheet			410/411	410/411 Deferred	
Account			Excess	Tax Expense/	Excess ADIT
Reclassifications	182.3	254	Amortization	(Benefit)	Regulatory Offset
Sum of Cc					
		2,688,074			21,709,401
			558,355	282,378	
		(840,734)			19,388,600
			873,701	2,570,289	
			7,471,934	(3,425,871)	
		(3,443,990)			38,102,024
		(4,046,063)			4,781,346
			1,111,431	(1,335,513)	
		(8,162,297)			(444,186)

				(285,397)
		13,805,010		(83,251,788)

-	-	-	(10,015,421)	1,908,717	-
NOTE F					

Sum of Cc					
		841,478			3,515,907
			43,244	364,954	
			207,822	(1,405,674)	
		(408,198)			9,531,555
		1,197,852			1,664,105
			(153,822)	1,040,780	
		(1,763,219)			(1,257,715)

(231)				26,577
231		132,087		(13,480,429)

-	-	-	(97,244)	(60)	-
NOTE F					





Q	R
Ending Balance	
<b>Excess ADIT in Utility</b>	
<b>Deferrals</b>	<b>Reference</b>
<b>Cols (I) - (O)</b>	
	WS B - 2 Col C/D, ADIT item 2.48
(19,388,601)	Company Records
	WS B - 1 Col C/D, ADIT item 2.06
(38,102,024)	WS B - 1 Cols M+N+O , ADIT Item 5.14
(4,781,346)	
	WS B - 1 Col C/D, ADIT Item 5.14
729,581	WS B - 1 Cols M+N+O , ADIT Item 9.36
	WS B - 1 Col C/D, ADIT Item 9.39

Company Records

FERC Form 1 p. 278 Ln. 3 Cols, (b) /(f)

(61,542,390)

<b>Cols (I) - (O)</b>	
	Company Records
(9,531,555)	WS B - 1 Col N, ADIT Item 5.14
(1,664,105)	
	Company Records
1,231,142	WS B - 1 Cols N , ADIT Item 9.36
	Company Records

Company Records

Company Records

(9,964,518)

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet C Supporting Working Capital Rate Base Adjustments  
WHEELING POWER COMPANY

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
<b>Materials &amp; Supplies</b>								
<u>Line Number</u>		<u>Source</u>	<u>Balance @ December 31, 2021</u>	<u>Balance @ December 31, 2020</u>	<u>Average Balance for 2021</u>			
1								
2	Transmission Materials & Supplies	FF1, p. 227, In 8, Col. (c) & (b)	3,000	3,000	3,000			
3	General Materials & Supplies	FF1, p. 227, In 11, Col. (c) & (b)	4,000	4,000	4,000			
4	Stores Expense (Undistributed) - Account 163	FF1, p. 227, In 16, Col. (c) & (b)			-			

**Prepayment Balance Summary (Note 1)**

	<u>Average of YE Balance</u>	<u>Excludable Balances</u>	<u>100% Transmission Related</u>	<u>Transmission Plant Related</u>	<u>Transmission Labor Related</u>	<u>Total Included in Ratebase (E)+(F)+(G)</u>
5						
6	Totals as of December 31, 2021	1,407,000	(9,102,000)	0	911,000	9,598,000
7	Totals as of December 31, 2020	1,407,000	(8,766,000)		911,000	9,262,000
8	<b>Average Balance</b>	1,407,000	(8,934,000)	-	911,000	9,430,000

**Prepayments Account 165 - Balance @ 12/31/2021**

	<u>2021 YE Balance</u>	<u>Excludable Balances</u>	<u>100% Transmission Related</u>	<u>Transmission Plant Related</u>	<u>Transmission Labor Related</u>	<u>Total Included in Ratebase (E)+(F)+(G)</u>	<u>Explanation</u>
9	<u>Acc. No.</u>	<u>Description</u>					
10	1650001	Prepaid Insurance	461,000	-	461,000	461,000	Plant Related Insurance Policies
11	165000219	Prepaid Taxes	496,000			-	Prepaid Taxes - Distribution
12	165000220	Prepaid Taxes	122,000		122,000	122,000	Prepaid Taxes
13	1650009	Prepaid Carrying Costs - Factored AR	0	-		-	
14	1650010	Prepaid Pension Benefits	6,831,000	-		6,831,000	Prefunded Pension Expense
15	1650014	FAS 158 Qual Contra Asset	(6,831,000)			-	SFAS 158 Offsett
16	1650016	FAS 112 ASSETS	0	-		-	
17	1650021	Prepaid Insurance - EIS	328,000		328,000	328,000	EIS Insurance
18	1650035	PRW Without Med-D Benefits	2,767,000	-		2,767,000	Medical Benefits
19	1650036	PRW for Med-D Benefits	0	-		-	
20	1650037	FAS158 Contra-PRW Exc Med-D	(2,767,000)			-	SFAS 158 Offsett
	<b>Subtotal - Form 1, p 111.57.c</b>		1,407,000	(9,102,000)	0	911,000	9,598,000

**Prepayments Account 165 - Balance @ 12/31/ 2020**

	<u>2020 YE Balance</u>	<u>Excludable Balances</u>	<u>100% Transmission Related</u>	<u>Transmission Plant Related</u>	<u>Transmission Labor Related</u>	<u>Total Included in Ratebase (E)+(F)+(G)</u>	<u>Explanation</u>
21	<u>Acc. No.</u>	<u>Description</u>					
22	1650001	Prepaid Insurance	461,000	-	461,000	461,000	Plant Related Insurance Policies
23	165000219	Prepaid Taxes	496,000			-	Prepaid Taxes - Distribution
24	165000220	Prepaid Taxes	122,000		122,000	122,000	Prepaid Taxes
25	1650009	Prepaid Carrying Costs - Factored AR	0	-		-	
26	1650010	Prepaid Pension Benefits	6,831,000	-		6,831,000	Prefunded Pension Expense
27	1650014	FAS 158 Qual Contra Asset	(6,831,000)			-	SFAS 158 Offsett
28	1650016	FAS 112 ASSETS	0	-		-	
29	1650021	Prepaid Insurance - EIS	328,000		328,000	328,000	EIS Insurance
30	1650035	PRW Without Med-D Benefits	2,431,000	-		2,431,000	Medical Benefits
31	1650036	PRW for Med-D Benefits	0	-		-	
32	1650037	FAS158 Contra-PRW Exc Med-D	(2,431,000)			-	SFAS 158 Offsett
	<b>Subtotal - Form 1, p 111.57.d</b>		1,407,000	(8,766,000)		911,000	9,262,000

Note 1: Prepayment Balance will not include: (i) federal and state income tax payments made to offset additional tax liabilities resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; (ii) outstanding income tax refunds due to the company resulting (or expected to result) from prior federal or state audits or from the filing of one or more amended income tax returns; or (iii) prepayments of federal or state income taxes which are attributable to income earned during periods prior to January 1 of the year depicted in the Balance Sheet (as described in USofA Account 236).

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet D Supporting IPP Credits  
WHEELING POWER COMPANY

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) 2021</u>
1	Net Funds from IPP Customers 12/31/2020 (2021 FORM 1, P269)	0
2	Interest Accrual (Company Records - Note 1)	0
3	Revenue Credits to Generators (Company Records - Note 1)	0
4	<u>Other Adjustments</u>	
5	Accounting Adjustment (Company Records - Note 1)	0
6		-
7	Net Funds from IPP Customers 12/31/2021 (2021 FORM 1, P269)	-
8	Average Balance for Year as Indicated in Column B ((ln 1 + ln 7)/2)	-

Note 1 On this worksheet Company Records refers to WHEELING  
POWER COMPANY's general ledger.

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet E Supporting Revenue Credits  
WHEELING POWER COMPANY

<u>Line Number</u>	<u>Description</u>	<u>Total Company</u>	<u>Non- Transmission</u>	<u>Transmission</u>
1	Account 450, Forfeited Discounts (FF1 p.300.16.(b); Company Records - Note 1)	149,000	149,000	-
2	Account 451, Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)	12,000	12,000	-
3	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)	2,398,000	2,084,000	314,000
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)	17,000	16,000	1,000
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	4,859,000	3,243,000	1,616,000
5a	Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)		-	
5b	Account 457.2, Miscellaneous Revenues (FF1 p.300.24.(b); Company Records - Note 1)		-	
6	Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b))	7,435,000	5,504,000	1,931,000
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	7,435,000	5,504,000	1,931,000

Note 1 The total company data on this worksheet comes from the indicated FF1 source, or WHEELING POWER COMPANY's general ledger. The functional amounts identified as transmission revenue also come from the general ledger.

Note 2 The total of line 4 and line 5 will equal total Account 456 as listed on FF1 p.300.21-22.(b)

9	Facility Credits under PJM OATT Section 30.9			-
---	--	--	--	---

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet F Supporting Allocation of Specific O&M or A&G Expenses  
WHEELING POWER COMPANY

<u>Line</u> <u>Number</u>	<u>(A)</u> <u>Item No.</u>	<u>(B)</u> <u>Description</u>	<u>(C)</u> <u>2021</u> <u>Expense</u>	<u>(D)</u> <u>100%</u> <u>Non-Transmission</u>	<u>(E)</u> <u>100%</u> <u>Transmission</u> <u>Specific</u>	<u>(F)</u> <u>Explanation</u>
<b><u>Regulatory O&amp;M Deferrals &amp; Amortizations</u></b>						
1						
2						
3						
4		<b>Total</b>	<b>0</b>			
<b><u>Detail of Account 561 Per FERC Form 1</u></b>						
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	0			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	32,000			
8	FF1 p 321.87.b	561.3 - Load Dispatch - Trans Service & Scheduling	0			
9	FF1 p 321.88.b	561.4 - Scheduling, System Control & Dispatch	912,000			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	21,000			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	0			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies	0			
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	245,000			
14		<b>Total of Account 561</b>	<b>1,210,000</b>			
<b><u>Account 928</u></b>						
15	9280000	Regulatory Commission Exp	-	-	-	
16	9280001	Regulatory Commission Exp-Adm	-	-	-	
17	9280002	Regulatory Commission Exp-Case	70,000	70,000	-	
18	9280003	Rate Case Amort	(25,000)	(25,000)	-	
19	9280005	Reg Com Exp-FERC Trans Cases	(3,000)	-	(3,000)	
20		<b>Total (FERC Form 1 p.323.189.b)</b>	<b>42,000</b>	<b>45,000</b>	<b>(3,000)</b>	
<b><u>Account 930.1</u></b>						
21	9301000	General Advertising Expenses	-	-	-	
22	9301001	Newspaper Advertising Space	-	-	-	
23	9301010	Publicity	-	-	-	
24	9301012	Public Opinion Surveys	1,000	1,000	-	
25	9301015	Other Corporate Comm Exp	1,000	1,000	-	
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37		<b>Total (FERC Form 1 p.323.191.b)</b>	<b>2,000</b>	<b>2,000</b>	<b>-</b>	
<b><u>Account 930.2</u></b>						
38	9302000	Misc General Expenses	103,000	103,000	-	
39	9302003	Corporate & Fiscal Expenses	4,000	4,000	-	
40	9302004	Research, Develop&Demonstr Exp	-	-	-	
41	9302006	Assoc Business Development Materials Sold	-	-	-	
42	9302007	Assoc Business Development Exp	27,000	25,000	2,000	
43		<b>Total (FERC Form 1 p.323.192.b)</b>	<b>134,000</b>	<b>132,000</b>	<b>2,000</b>	

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet G Supporting - Development of Composite State Income Tax Rate  
WHEELING POWER COMPANY

West Virginia Corporate Income Tax	6.50%	
Apportionment Factor - Note 2	97.42%	
Effective State Tax Rate		6.33%
Illinois Corporation Income Tax	9.50%	
Apportionment Factor - Note 2	1.58%	
Effective State Tax Rate		0.15%
Michigan Business Income Tax	6.00%	
Apportionment Factor - Note 2	0.06%	
Effective State Tax Rate		0.00%
Kentucky Business Income Tax	0.00%	
Apportionment Factor - Note 2	0.00%	
Effective State Tax Rate		0.00%
Ohio Municipal Net Income Tax	0.00%	
Apportionment Factor - Note 2	0.00%	
Effective State Tax Rate		0.00%
Ohio Franchise Tax Rate	0.00%	
Phase-out Factor Note 1	0.00%	
Apportionment Factor - Note 2	0.00%	
Effective State Tax Rate		0.00%
Total Effective State Income Tax Rate		6.49%

Note 1 Apportionment Factors are determined as part of the Company's annual tax return for that jurisdiction.

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet H Supporting Taxes Other than Income  
WHEELING POWER COMPANY

Line No.	(A) Account	(B) Total Company NOTE 1	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	<b>Revenue Taxes</b>					
2	Gross Receipts Tax	10,000				10,000
3	<b>Real Estate and Personal Property Taxes</b>					
4	Real and Personal Property - West Virginia	6,541,000	6,541,000			
5	Real and Personal Property - Other Jurisdictions	-	-			
6	<b>Payroll Taxes</b>					
7	Federal Insurance Contribution (FICA )	967,000		967,000		
8	Federal Unemployment Tax	5,000		5,000		
9	State Unemployment Insurance	-		-		
10	<b>Production Taxes</b>					
11	State Severance Taxes	-				-
12	<b>Miscellaneous Taxes</b>					
13	State Business & Occupation Tax	2,167,000				2,167,000
14	State Public Service Commission Fees	1,054,000			1,054,000	
15	State Franchise Taxes	-			-	
16	State Lic/Registration Fee	-			-	
17	Misc. State and Local Tax	-			-	
18	Sales & Use	-			-	-
19	Federal Excise Tax	-			-	-
20	State B&O Tax	9,124,000				9,124,000
21						
22	Total Taxes by Allocable Basis (Total Company Amount Ties to FFI p.114, Ln 14,(c)) NOTE 1: The detail of each total company number and its source in the FERC Form 1 is shown on WS H-1.	19,868,000	6,541,000	972,000	1,054,000	11,301,000
<b>Functional Property Tax Allocation</b>						
		<u>Production</u>	<u>Transmission</u>	<u>Distribution</u>	<u>General</u>	<u>Total</u>
23	Functionalized Net Plant (TCOS, Lns 41 thru 46)	579,387,000	126,069,000	170,828,000	6,996,000	883,280,000
24	<b>WEST VA JURISDICTION</b>					
25	Percentage of Plant in WEST VA JURISDICTION	100.00%	100.00%	100.00%	100.00%	
26	Net Plant in WEST VA JURISDICTION (Ln 23 * Ln 24)	579,387,000	126,069,000	170,828,000	6,996,000	883,280,000
27	Less: Net Value of Exempted Generation Plant	463,488,644				
28	Taxable Property Basis (Ln 25 - Ln 26)	115,898,356	126,069,000	170,828,000	6,996,000	419,791,356
29	Relative Valuation Factor	100.00%	100.00%	100.00%	100.00%	
30	Weighted Net Plant (Ln 27 * Ln 28)	115,898,356	126,069,000	170,828,000	6,996,000	
31	General Plant Allocator (Ln 29 / (Total - General Plant))	28.08%	30.54%	41.38%	-100.00%	
32	Functionalized General Plant (Ln 30 * General Plant)	1,964,230	2,136,600	2,895,170	(6,996,000)	-
33	Weighted WEST VA JURISDICTION Plant (Ln 29 + 31)	117,862,586	128,205,600	173,723,170	-	419,791,356
	Functional Percentage (Ln 32/Total Ln 32)	28.08%	30.54%	41.38%		

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet H-1 Form 1 Source Reference of Company Amounts on WS H  
WHEELING POWER COMPANY

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
----------	---	----------------------	-----------------------------	------------------------------

1 **Revenue Taxes**

2 Gross Receipts Tax

10,000

10,000

Line No.	(A) Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)	(B) Tax Year	(C) Total Company	(D) FERC FORM 1 Tie-Back	(E) FERC FORM 1 Reference	(F) Tax Year Factor (Note 2)	(G) Transmission Function (Note 2)
----------	---	-----------------	----------------------	-----------------------------	------------------------------	------------------------------------	--

3 **Real Estate and Personal Property Taxes Total**  
(Ln 4 + Ln 5 + Ln 6 + Ln 7)

6,541,000

1,997,642

4 Real and Personal Property - West Virginia

6,541,000

6,541,000

30.54%

1,997,642

1,997,642

-

-

5 Real and Personal Property - Other

-

-

0.00%

-

-

-

-

-

-

-

-

-

6 Real and Personal Property - Tennessee

-

-

-

-

-

-

-

7 Real and Personal Property - Other Jurisdictions

-

-

-

-

-

-

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
----------	---	----------------------	-----------------------------	------------------------------

8 **Payroll Taxes**

9 Federal Insurance Contribution (FICA )

967,000

967,000

10 Federal Unemployment Tax

5,000

5,000

11 State Unemployment Insurance

-

-

12 **Production Taxes**

13 State Severance Taxes

-

-

14 **Miscellaneous Taxes**

15 Muni B&O Tax

2,167,000

2,167,000

16 State Public Service Commission Fees

1,054,000

1,054,000

17 State Franchise Taxes

-

-

18 State Lic/Registration Fee

-

-

19 Misc. State and Local Tax

-

-

20 Sales & Use

-

-

21 Federal Excise Tax

-

-

22 State B&O Tax

9,124,000

9,124,000

23 Total Taxes by Allocable Basis  
(Total Company Amount Ties to FFI p.114, Ln 14,(c))

19,868,000

19,868,000

Note 1: The taxes assessed on each operating company can differ from year to year and between operating companies by both the type of taxes and the states in which they were assessed. Therefore, for each company, the types and jurisdictions of tax expense recorded on this page could differ from the same page in the same company's prior year template or from this page in other operating companies' current year templates. For each update, this sheet will be revised to ensure that the total activity recorded hereon equals the total reported in account 408.1 on P. 114, Ln 14,(c) of the Ferc Form 1.

Note 2: The transmission functional amounts for any Real Estate and Property taxes listed on pages 263 of the FERC Form 1 will be allocated using the transmission functional allocator calculated for each state in Worksheet H of the applicable year that the taxes were assessed. Real and Personal Property - Other Jurisdictions will be allocated using the Gross Plant Allocator from the applicable year.



**AEP East Companies**  
**Cost of Service Formula Rate Using 2021 FF1 Balances**  
**Worksheet I RESERVED FOR FUTURE USE**  
**WHEELING POWER COMPANY**

AEP East Companies  
Cost of Service Formula Rate Using 2021 FF1 Balances  
Worksheet J Supporting Calculation of PROJECTED PJM RTEP Project Revenue Requirement Billed to Benefiting Zones  
WHEELING POWER COMPANY

Page 1 of 1

I. Calculate Return and Income Taxes with basis point ROE increase for Projects Qualified for Regional Billing.

A. Determine 'R' with hypothetical basis point increase in ROE for Identified Projects

ROE w/o incentives (TCOS, ln 156)				10.35%
Project ROE Incentive Adder				
ROE with additional basis point incentive				10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the TCOS, lns 154 through 156)				
	%	Cost	Weighted cost	
Long Term Debt	46.47%	3.58%	1.665%	
Preferred Stock	0.00%	0.00%	0.000%	
Common Stock	53.53%	10.35%	5.540%	
		R =	7.205%	

B. Determine Return using 'R' with hypothetical basis point ROE increase for Identified Projects.

Rate Base (TCOS, ln 68)	97,056,898
R (from A. above)	7.205%
Return (Rate Base x R)	6,992,894

C. Determine Income Taxes using Return with hypothetical basis point ROE increase for Identified Projects.

Return (from B. above)	6,992,894
Effective Tax Rate (TCOS, ln 114)	27.19%
Income Tax Calculation (Return x CIT)	1,901,466
ITC Adjustment	-
Excess Deferred Income Tax	(128,594)
Tax Affect of Permanent Differences	36,548
Income Taxes	1,809,420

SUMMARY OF PROJECTED ANNUAL RTEP REVENUE REQUIREMENTS				
	Rev Require	W Incentives	Incentive Amounts	
PROJECTED YEAR	2021	118,222	118,222	\$ -

II. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetical basis point ROE increase.

A. Determine Annual Revenue Requirement less return and Income Taxes.

Annual Revenue Requirement (TCOS, ln 1)	14,884,960
Lease Payments (TCOS, Ln 95)	-
Return (TCOS, ln 126)	6,992,894
Income Taxes (TCOS, ln 125)	1,809,420
Annual Revenue Requirement, Less Lease Payments, Return and Taxes	6,082,646

B. Determine Annual Revenue Requirement with hypothetical basis point increase in ROE.

Annual Revenue Requirement, Less Lease Payments, Return and Taxes	6,082,646
Return (from I.B. above)	6,992,894
Income Taxes (from I.C. above)	1,809,420
Annual Revenue Requirement, with Basis Point ROE increase	14,884,960
Depreciation (TCOS, ln 100)	2,503,840
Annual Rev. Req. w/ Basis Point ROE increase, less Depreciation	12,381,120

C. Determine FCR with hypothetical basis point ROE increase.

Net Transmission Plant (TCOS, ln 42)	120,890,000
Annual Revenue Requirement, with Basis Point ROE increase	14,884,960
FCR with Basis Point increase in ROE	12.31%
Annual Rev. Req. w/ Basis Point ROE increase, less Dep.	12,381,120
FCR with Basis Point ROE increase, less Depreciation	10.24%
FCR less Depreciation (TCOS, ln 10)	10.24%
Incremental FCR with Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2021 (TCOS, ln 21)	149,522,000
Annual Depreciation and Amortization Expense (TCOS, ln 100)	2,503,840
Composite Depreciation Rate	1.67%
Depreciable Life for Composite Depreciation Rate	59.72
Round to nearest whole year	60

OPCo Worksheet J - ATRR PROJECTED Calculation for PJM Projects Charged to Benefiting Zones

IV. Determine the Revenue Requirement, and Additional Revenue Requirement for facilities receiving incentives.

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b1864.2 (West Bellaire-Brues 138KV Circuit)

Current Projected Year ARR	118,222
Current Projected Year ARR w/ Incentive	118,222
Current Projected Year Incentive ARR	-

Details					
Investment	1,115,334	Current Year	2021		
Service Year (yyyy)	2013	ROE increase accepted by FERC (Basis Points)			
Service Month (1-12)	10	FCR w/o incentives, less depreciation	10.24%		
Useful life	60	FCR w/incentives approved for these facilities, less dep.	10.24%		
CIAC (Yes or No)	No	Annual Depreciation Expense	18,589		

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2013	1,115,334	3,098	1,112,236	117,168	#####	\$ -
2014	1,112,236	18,589	1,093,647	131,548	\$ 131,548	\$ -
2015	1,093,647	18,589	1,075,058	129,644	\$ 129,644	\$ -
2016	1,075,058	18,589	1,056,469	127,741	\$ 127,741	\$ -
2017	1,056,469	18,589	1,037,880	125,837	\$ 125,837	\$ -
2018	1,037,880	18,589	1,019,291	123,933	\$ 123,933	\$ -
2019	1,019,291	18,589	1,000,702	122,029	\$ 122,029	\$ -
2020	1,000,702	18,589	982,114	120,125	\$ 120,125	\$ -
2021	982,114	18,589	963,525	118,222	\$ 118,222	\$ -
2022	963,525	18,589	944,936	116,318	\$ 116,318	\$ -
2023	944,936	18,589	926,347	114,414	\$ 114,414	\$ -
2024	926,347	18,589	907,758	112,510	\$ 112,510	\$ -
2025	907,758	18,589	889,169	110,606	\$ 110,606	\$ -
2026	889,169	18,589	870,580	108,702	\$ 108,702	\$ -
2027	870,580	18,589	851,991	106,799	\$ 106,799	\$ -
2028	851,991	18,589	833,402	104,895	\$ 104,895	\$ -
2029	833,402	18,589	814,813	102,991	\$ 102,991	\$ -
2030	814,813	18,589	796,225	101,087	\$ 101,087	\$ -
2031	796,225	18,589	777,636	99,183	\$ 99,183	\$ -
2032	777,636	18,589	759,047	97,280	\$ 97,280	\$ -
2033	759,047	18,589	740,458	95,376	\$ 95,376	\$ -
2034	740,458	18,589	721,869	93,472	\$ 93,472	\$ -
2035	721,869	18,589	703,280	91,568	\$ 91,568	\$ -
2036	703,280	18,589	684,691	89,664	\$ 89,664	\$ -
2037	684,691	18,589	666,102	87,761	\$ 87,761	\$ -
2038	666,102	18,589	647,513	85,857	\$ 85,857	\$ -
2039	647,513	18,589	628,924	83,953	\$ 83,953	\$ -
2040	628,924	18,589	610,336	82,049	\$ 82,049	\$ -
2041	610,336	18,589	591,747	80,145	\$ 80,145	\$ -
2042	591,747	18,589	573,158	78,242	\$ 78,242	\$ -
2043	573,158	18,589	554,569	76,338	\$ 76,338	\$ -
2044	554,569	18,589	535,980	74,434	\$ 74,434	\$ -
2045	535,980	18,589	517,391	72,530	\$ 72,530	\$ -
2046	517,391	18,589	498,802	70,626	\$ 70,626	\$ -
2047	498,802	18,589	480,213	68,723	\$ 68,723	\$ -
2048	480,213	18,589	461,624	66,819	\$ 66,819	\$ -
2049	461,624	18,589	443,035	64,915	\$ 64,915	\$ -
2050	443,035	18,589	424,447	63,011	\$ 63,011	\$ -
2051	424,447	18,589	405,858	61,107	\$ 61,107	\$ -
2052	405,858	18,589	387,269	59,203	\$ 59,203	\$ -
2053	387,269	18,589	368,680	57,300	\$ 57,300	\$ -
2054	368,680	18,589	350,091	55,396	\$ 55,396	\$ -
2055	350,091	18,589	331,502	53,492	\$ 53,492	\$ -
2056	331,502	18,589	312,913	51,588	\$ 51,588	\$ -
2057	312,913	18,589	294,324	49,684	\$ 49,684	\$ -
2058	294,324	18,589	275,735	47,781	\$ 47,781	\$ -
2059	275,735	18,589	257,146	45,877	\$ 45,877	\$ -
2060	257,146	18,589	238,558	43,973	\$ 43,973	\$ -
2061	238,558	18,589	219,969	42,069	\$ 42,069	\$ -
2062	219,969	18,589	201,380	40,165	\$ 40,165	\$ -
2063	201,380	18,589	182,791	38,262	\$ 38,262	\$ -
2064	182,791	18,589	164,202	36,358	\$ 36,358	\$ -
2065	164,202	18,589	145,613	34,454	\$ 34,454	\$ -
2066	145,613	18,589	127,024	32,550	\$ 32,550	\$ -
2067	127,024	18,589	108,435	30,646	\$ 30,646	\$ -
2068	108,435	18,589	89,846	28,743	\$ 28,743	\$ -
2069	89,846	18,589	71,257	26,839	\$ 26,839	\$ -
2070	71,257	18,589	52,669	24,935	\$ 24,935	\$ -
2071	52,669	18,589	34,080	23,031	\$ 23,031	\$ -
2072	34,080	18,589	15,491	21,127	\$ 21,127	\$ -
Project Totals			4,621,096	4,621,096		-

\*\* This is the total amount that needs to be reported to PJM for billing to all regions.

## This is the calculation of additional incentive revenue on projects deemed by the FERC to be eligible for an incentive return. This additional incentive requirement is applicable for the life of this specific project. Each year the revenue requirement calculated for PJM should be incremented by the amount of the incentive revenue calculated for that year on this project.

In order to calculate the proper monthly RTEP billing amount, PJM requires a 12 month revenue requirement for each RTEP project. As a result, notwithstanding the fact that the project was in service for a partial year, the project revenue requirement in the year that the project goes into service has been annualized (shown at the full-year level) so that PJM will collect the correct monthly billings.

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:  
INPUT PROJECTED ARR (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR  
TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ARRS OVER THE  
LIFE OF THE PROJECT.

RTEP Projected Rev. Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **			
\$ 44,166	\$ 44,166			
\$ 33,234	\$ 33,234			
\$ 58,699	\$ 58,699			
\$ 107,095	\$ 107,095			
\$ 154,474	\$ 154,474			
\$ 130,159	\$ 130,159			
\$ 131,100	\$ 131,100			
\$ 117,847	\$ 117,847			

AEP East Companies  
Cost of Service Formula Rate Using 2021 FF1 Balances  
Worksheet L Reserved for Future Use  
WHEELING POWER COMPANY

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet M Supporting Calculation of Capital Structure and Weighted Average Cost of Capital  
WHEELING POWER COMPANY

Line No	Month (a)	Average Balance of Common Equity				Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
		Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	
	(Note A)	(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	404,706,000			162,000	404,544,000
2	January	408,429,000			162,000	408,267,000
3	February	401,097,000			162,000	400,935,000
4	March	405,129,000			162,000	404,967,000
5	April	406,480,000			162,000	406,318,000
6	May	398,984,000			162,000	398,822,000
7	June	401,535,000			162,000	401,373,000
8	July	406,098,000			162,000	405,936,000
9	August	400,194,000			162,000	400,032,000
10	September	403,235,000			162,000	403,073,000
11	October	406,326,000			162,000	406,164,000
12	November	399,254,000			162,000	399,092,000
13	December of Rate Year	401,595,000			162,000	401,433,000
14	Average of the 13 Monthly Balances	403,312,000	-	-	162,000	403,150,462

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Acct 221 Bonds (b)	Less: Acct 222 Reacquired Bonds (c)	Acct 223 LT Advances from Assoc. Companies (d)	Acct 224 Senior Unsecured Notes (e)	Less: Fair Value Hedges (f)	
	(Note A)	(FF1 112.18)	(FF1 112.19)	(FF1 112.20)	(FF1 112.21)	FF1, page 257, Col. (h) - Note 1	
15	December Prior to Rate Year	-	-	-	350,000,000		350,000,000
16	January	-	-	-	350,000,000		350,000,000
17	February	-	-	-	350,000,000		350,000,000
18	March	-	-	-	350,000,000		350,000,000
19	April	-	-	-	350,000,000		350,000,000
20	May	-	-	-	350,000,000		350,000,000
21	June	-	-	-	350,000,000		350,000,000
22	July	-	-	-	350,000,000		350,000,000
23	August	-	-	-	350,000,000		350,000,000
24	September	-	-	-	350,000,000		350,000,000
25	October	-	-	-	350,000,000		350,000,000
26	November	-	-	-	350,000,000		350,000,000
27	December of Rate Year	-	-	-	350,000,000		350,000,000
28	Average of the 13 Monthly Balances	-	-	-	350,000,000	-	350,000,000

NOTE 1: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (Page 257 Column H of the FF1)

**Development of Cost of Long Term Debt Based on Average Outstanding Balance**

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	<b>Annual Interest Expense for 2021</b>						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			12,361,000			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 50 below.			-			
32	Plus: Allowed Hedge Recovery From Ln 55 below.			-			
33	Amort of Debt Discount & Expense - Acct 428 (117.63.c)			177,000			
34	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)			-			
35	Less: Amort of Premium on Debt - Acct 429 (117.65.c)						
36	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)						
37	<b>Total Interest Expense (Ln 30 - 31 + 33 + 34 - 35 - 36)</b>			12,538,000			
38	<b>Average Cost of Debt for 2021 (Ln 37/ Ln 28 (g))</b>			3.58%			

**CALCULATION OF RECOVERABLE HEDGE GAINS/LOSSES**

39 NOTE: The net amount of hedging gains or losses recorded in account 427 to be recovered in this formula rate should be limited to the effective portion of pre-issuance cash flow hedges that are amortized over the life of the underlying debt issuances. The recovery of a net loss or passback of a net gain will be limited to five basis points of the total Capital Structure. Amounts related to the ineffective portion of pre-issuance hedges, cash settlements of fair value hedges issued on Long Term Debt, post-issuance cash flow hedges, and cash flow hedges of variable rate debt issuances are not recoverable in this formula and are to be recorded in the "Excludable" column below.

				Amortization Period		
HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)		Total Hedge (Gain)/Loss for 2021	Less Excludable Amounts (See NOTE on Line 39)	Net Includable Hedge Amount	Remaining Unamortized Balance	Beginning Ending
40	SUN Cash Flow Hedge - 6.000%	-	-	-		
41	SUN Cash Flow Hedge - 5.375%	-	-	-		
42						
43						
44						
45						
46						
47						
48						
49						
50	Total Hedge Amortization	-	-	-		
51	Hedge Gain or Loss Prior to Application of Recovery Limit (Sum of Lines 40 to 48)			-		
52	Total Average Capital Structure Balance for 2021 (TCOS, Ln 157)			753,150,000		
53	Financial Hedge Recovery Limit - Five Basis Points of Total Capital			0.0005		
54	Limit of Recoverable Amount			376,575		
55	<b>Recoverable Hedge Amortization (Lesser of Ln 51 or Ln 54)</b>			-		

**Development of Cost of Preferred Stock**

Preferred Stock		Average	
56	0% Series - 0 - Dividend Rate (p. 250-251)	0.000%	0.000%
57	0% Series - 0 - Par Value (p. 250-251)	\$ -	\$ -
58	0% Series - 0 - Shares O/S (p.250-251)	-	-
59	0% Series - 0 - Monetary Value (Ln 57 * Ln 58)	-	-
60	0% Series - 0 - Dividend Amount (Ln 56 * Ln 59)	-	-
61	0% Series - 0 - Dividend Rate (p. 250-251)	0.000%	0.000%
62	0% Series - 0 - Par Value (p. 250-251)	\$ -	\$ -
63	0% Series - 0 - Shares O/S (p.250-251)	-	-
64	0% Series - 0 - Monetary Value (Ln 62 * Ln 63)	-	-
65	0% Series - 0 - Dividend Amount (Ln 61 * Ln 64)	-	-
66	0% Series - 0 - Dividend Rate (p. 250-251)	0.000%	0.000%
67	0% Series - 0 - Par Value (p. 250-251)	\$ -	\$ -
68	0% Series - 0 - Shares O/S (p.250-251)	-	-
69	0% Series - 0 - Monetary Value (Ln 67 * Ln 68)	-	-
70	0% Series - 0 - Dividend Amount (Ln 66 * Ln 69)	-	-
71	Balance of Preferred Stock (Lns 59, 64, 69)	-	-
72	Dividends on Preferred Stock (Lns 60, 65, 70)	-	-
73	Average Cost of Preferred Stock (Ln 72/71)	0.00%	0.00%

- Year End Total Agrees to FF1 p.112, Ln 3, col (c) & (d)

**AEP East Companies**  
**Cost of Service Formula Rate Using Actual/Projected FF1 Balances**  
**Worksheet N - Gains (Losses) on Sales of Plant Held For Future Use**  
**WHEELING POWER COMPANY**

**Note:** Gain or loss on plant held for future are recorded in accounts 411.6 or 411.7 respectively. Sales will be funtionalized based on the description of that asset. Sales of transmission assets will be direct assigned; sales of general assets will be functionalized on labor. Sales of plant held for future use related to generation or distribution will not be included in the formula.

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Line	Date	Property Description	Function (T) or (G) T = Transmission G = General	Basis	Proceeds	(Gain) / Loss	Functional Allocator	Functionalized Proceeds (Gain) / Loss	FERC Account
1						-	0.000%	-	
2						-	0.000%	-	
3						-	0.000%	-	
4				Net (Gain) or Loss for 2021		-		-	

AEP East Companies  
Cost of Service Formula Rate Using Actual/Projected FF1 Balances  
Worksheet O - Calculation of Postemployment Benefits Other than Pensions Expenses Allocable to Transmission Service  
WHEELING POWER COMPANY

1 Total AEP East Operating Company PBOP Settlement Amount (127,042,000)

**Allocation of PBOP Settlement Amount for 2021**

**Total Company Amount**

Line#	Company	Actual Expense (Including AEPSC Billed OPEB)	Ratio of Company Actual to Total	Allocation of PBOB Recovery Allowance	Labor Allocator for 2021	Actual Expense	Allowable Expense	One Year Functional Expense (Over)/Under
		(A)	(B)=(A)/Total (A)	(C)=(B) * -127042000	(D)	(E)=(A) * (D)	(F)=(C) * (D)	(G)=(E) - (F)
		(Line 14)						
2	APCo	(16,579,000)	36.54%	(46,416,231)	9.207%	(1,526,430)	(4,273,546)	2,747,116
3	I&M	(12,009,000)	26.46%	(33,621,601)	4.475%	(537,358)	(1,504,441)	967,083
4	KPCo	(3,821,000)	8.42%	(10,697,655)	7.824%	(298,953)	(836,980)	538,026
5	KNGP	(376,000)	0.83%	(1,052,687)	11.212%	(42,157)	(118,027)	75,870
6	OPCo	(11,910,000)	26.25%	(33,344,430)	11.570%	(1,377,956)	(3,857,865)	2,479,909
7	WPCo	(682,000)	1.50%	(1,909,396)	3.184%	(21,718)	(60,803)	39,085
8	<b>Sum of Lines 2 to 7</b>	<b>(45,377,000)</b>		<b>(127,042,000)</b>		<b>(3,804,572)</b>	<b>(10,651,662)</b>	<b>6,847,090</b>

**Detail of Actual PBOP Expenses to be Removed in Cost of Service**

	APCo	I&M	KPCo	KNGSPT	OPCo	WPCo	AEP East Total
9 Direct Charged PBOP Expense per Actuarial Report	(12,806,000)	(10,920,000)	(3,094,000)	(262,000)	(8,879,000)	(329,000)	(36,290,000)
10 Additional PBOP Ledger Entries (from Company Records)	351,000	1,340,000	306,000	-	-	(263,000)	
11 Medicare Subsidy	-	-	-	-	-	-	-
12 Net Company Expense (Ln 9 + Ln 10 + Ln 11)	(12,455,000)	(9,580,000)	(2,788,000)	(262,000)	(8,879,000)	(592,000)	(34,556,000)
13 PBOP Expenses From AEP Service Corporation (from Company Records)	(4,124,000)	(2,429,000)	(1,033,000)	(114,000)	(3,031,000)	(89,000)	(10,820,000)
14 Company PBOP Expense (Ln 12 + Ln 13)	(16,579,000)	(12,009,000)	(3,821,000)	(376,000)	(11,910,000)	(681,000)	(45,376,000)

For the rate year 2017 and adjusted every four years thereafter, using the annual actuarial report produced for that year, filed as part of the informational filing, Worksheet O will be used to adjust PBOP costs for the next four years (i.e. 2017, 2018, 2019, 2020). If the annual actuarial report projects PBOP costs during the next four years, taken together with the then current cumulative PBOP cost/allowance position, will, absent a change in the PBOP allowance, cause the AEP Companies to over or under collect their cumulative PBOP costs by more than 20% of the projected next four year's total cost, the PBOP allowance shall be adjusted. Worksheet O will be used in the process of updating the PBOP allowance determining (a) the level of cumulative over or under collections during the period since the PBOP allowance was last set, including carrying costs based on the weighted average cost of capital ("WACC") each year from the actual formula rate; (b) the cumulative net present value of projected PBOP costs during the next four years, as estimated by the then current actuarial report, assuming a discount rate equal to the actual formula rate weighted average cost of capital for the prior calendar year; and (c) the cumulative net present value of continued collections over the next four years based on the then effective PBOP allowance, assuming a discount rate equal to the prior year WACC. If the absolute value of (a)+(b)-(c) exceeds 20% of (b), then the PBOP allowance used in the formula rate calculation shall be changed to the value that will cause the projected result (a)+(b)-(c) to equal zero. If the projected over or under collection during the next four years will be less than 20% of (b), then the PBOP allowance will continue in effect for the next four years at the then effective rate. If it is determined through this procedure AEP Companies will over-recover or under-recover actual PBOP expenses by more than 20% over the subsequent four-year period, AEP shall make a filing under FPA Section 205 to change the PBOP expense stated in the formula rate shown on Worksheet O. No other changes to the formula rate may be included in that filing.



AEP EAST COMPANIES  
Worksheet - P CALCULATION OF  
TOTAL WEIGHTED AVERAGE DEPRECIATION RATES  
FOR TRANSMISSION PLANT PROPERTY ACCOUNT  
EFFECTIVE AS OF 3/6/2019  
FOR MULTIPLE JURISDICTION COMPANIES  
Appalachian Power Company

	VIRGINIA				WEST VIRGINIA			FERC WHOLESALE			FERC KINGSFORT			COMPANY
	(1)			WTD AVG.	(2)		WTD AVG.	(3)		WTD AVG.	(4)		WTD AVG.	
PLANT	VA SCC	ALLOCATION	DEPREC.		PSC OF WV	ALLOCATION	DEPREC.	FERC	ALLOCATION	DEPREC.	FERC	ALLOCATION	DEPREC.	WTD AVG.
ACCT.	RATES	FACTOR (5)	RATE		APPROVED	FACTOR (5)	RATE	RATES	FACTOR (5)	RATE	RATES	FACTOR (5)	RATE	DEPREC.
TRANSMISSION PLANT														
Land Rights - Va.	350.1	0.66%	1.000000	0.66%										0.66%
Energy Storage Equip	351.0				14.22%	1.000000	14.22%							14.22%
Structures & Improvements	352.0	1.55%	0.492648	0.76%	1.62%	0.414603	0.67%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	1.63%
Station Equipment	353.0	1.95%	0.492648	0.96%	2.37%	0.414603	0.98%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	2.14%
Towers & Fixtures	354.0	1.14%	0.492648	0.56%	1.59%	0.414603	0.66%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	1.42%
Poles & Fixtures	355.0	2.77%	0.492648	1.36%	2.71%	0.414603	1.12%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	2.68%
Overhead Conductor	356.0	1.01%	0.492648	0.50%	1.53%	0.414603	0.63%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	1.33%
Underground Conduit	351.0	1.23%	0.492648	0.61%	3.71%	0.414603	1.54%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	2.35%
Underground Conductors	351.0	3.18%	0.492648	1.57%	5.24%	0.414603	2.17%	2.19%	0.033874	0.07%	2.19%	0.058874	0.13%	3.94%
GENERAL PLANT														
Structures & Improvements	390.0	1.50%	0.519557	0.78%	1.91%	0.425935	0.81%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.78%
Office Furniture & Equipment	391.0	2.78%	0.519557	1.44%	3.17%	0.425935	1.35%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.98%
Transportation Equipment	392.0	0.00%	0.519557	0.00%	3.40%	0.425935	1.45%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.64%
Stores Equipment	393.0	1.60%	0.519557	0.83%	1.80%	0.425935	0.77%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.79%
Tools Shop & Garage Equipment	394.0	2.07%	0.519557	1.08%	2.57%	0.425935	1.09%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.36%
Laboratory Equipment	395.0	1.53%	0.519557	0.79%	4.01%	0.425935	1.71%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.69%
Power Operated Equipment	396.0	0.00%	0.519557	0.00%	3.90%	0.425935	1.66%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	1.85%
Communication Equipment	397.0	3.27%	0.519557	1.70%	4.98%	0.425935	2.12%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	4.01%
Miscellaneous Equipment	398.0	2.51%	0.519557	1.30%	2.70%	0.425935	1.15%	3.43%	0.019780	0.07%	3.43%	0.034728	0.12%	2.64%

(1) As approved in VA Case No. PUE 2011-00037 on Nov. 30, 2011.  
Depreciation rates were made effective on January 1, 2012.

(3) Approved by FERC March 2, 1990 in Docket ER90-132.

(4) Approved by FERC March 2, 1990 in Docket ER90-133.

(2) Approved by PSC of WV Order dated May 26, 2015 in  
Case No. 14-1151-E-D effective June 1, 2015.

(5) Transmission allocation factors are changed annually in January based on  
September factors as per the PJM tariff approved in FERC Docket ER08-1329  
Attachment H-14B, Part II, pg. 15 of 21.

(6) Energy Storage Equipment is a new account established per FERC Order 784.

**GENERAL NOTES:**

The rates for each AEP company have been approved by their respective regulatory commissions.

APCo falls under the authority of Virginia, West Virginia and the FERC. Therefore, APCo's rates are a composite of the jurisdictions under which it operates. Each jurisdictions' rate is multiplied by an allocation factor, and the product for each jurisdiction is added with the other jurisdictions to derive the composite rate for the company.

AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

AEP EAST COMPANIES  
Worksheet - P CALCULATION OF  
TOTAL WEIGHTED AVERAGE DEPRECIATION RATES  
FOR TRANSMISSION PLANT PROPERTY ACCOUNT  
EFFECTIVE AS OF October 31, 2018  
FOR MULTIPLE JURISDICTION COMPANIES  
INDIANA MICHIGAN POWER COMPANY

	INDIANA				MICHIGAN			FERC WHOLESALE			COMPANY
	(1)				(2)			(3)			
PLANT	IURC	ALLOCATION	WTD AVG.		MPSC	WTD AVG.		FERC	ALLOCATION	WTD AVG.	WTD AVG.
ACCT.	RATES	FACTOR (4)	DEPREC. RATE		APPROVED RATES	DEPREC. RATE		RATES	FACTOR (4)	DEPREC. RATE	DEPREC. RATE
<b>TRANSMISSION PLANT</b>											
Land Improvements	350.1	1.4800%	0.652103	0.9651%	1.4400%	0.144206	0.2077%	1.4400%	0.203691	0.2933%	1.47%
Structures & Improvements	352.0	1.5500%	0.652103	1.0108%	1.5000%	0.144206	0.2163%	1.5000%	0.203691	0.3055%	1.53%
Station Equipment	353.0	1.8600%	0.652103	1.2129%	1.8400%	0.144206	0.2653%	1.8400%	0.203691	0.3748%	1.85%
Towers & Fixtures	354.0	1.6900%	0.652103	1.1021%	1.5700%	0.144206	0.2264%	1.5700%	0.203691	0.3198%	1.65%
Poles & Fixtures	355.0	2.8500%	0.652103	1.8585%	2.8300%	0.144206	0.4081%	2.8300%	0.203691	0.5764%	2.84%
Overhead Conductors	356.0	1.9700%	0.652103	1.2846%	1.8900%	0.144206	0.2725%	1.8900%	0.203691	0.3850%	1.94%
Underground Conduit	357.0	1.8600%	0.652103	1.2129%	1.7700%	0.144206	0.2552%	1.7700%	0.203691	0.3605%	1.83%
Underground Conductors	358.0	1.7000%	0.652103	1.1086%	1.6600%	0.144206	0.2394%	1.6600%	0.203691	0.3381%	1.69%
Trails & Roads	359.0	1.5000%	0.652103	0.9782%	1.4800%	0.144206	0.2134%	1.4800%	0.203691	0.3015%	1.49%

(1) As approved in Indiana Case No. 44967.

(2) As approved in MICHIGAN Case No. U18370.

(3) FERC wholesale formula rate agreements specify that the depreciation rates in the formula rates change upon approval of MPSC rates in the Michigan jurisdiction.

(4) The rates approved for each jurisdiction are updated when approved by that commission. These demand-based allocation factors for all jurisdictions are updated when new rates are approved in one of the jurisdictions. These allocation factors reflect I&M's 12 monthly Coincident Peaks during test year of the most recent rate case.

**GENERAL NOTES:**

The rates for each AEP company have been approved by their respective regulatory commissions.

I&M falls under the authority of Indiana, Michigan and the FERC. Therefore, I&M's rates are a composite of the jurisdictions under which it operates. Each jurisdictions' rate is multiplied by an allocation factor, and the product for each jurisdiction is added with the other jurisdictions to derive the composite rate for the company.

AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

AEP EAST COMPANIES  
PJM FORMULA RATE  
WORKSHEET P - TRANSMISSION DEPRECIATION RATES  
EFFECTIVE AS OF 09/1/2016  
FOR SINGLE JURISDICTION COMPANIES  
KINGSPORT POWER COMPANY

	<b>PLANT ACCT.</b>	<b>RATES Note 1</b>
<b><i>TRANSMISSION PLANT</i></b>		
Structures & Improvements	352.0	1.04%
Station Equipment	353.0	1.49%
Towers & Fixtures	354.0	0.12%
Poles & Fixtures	355.0	2.14%
Overhead Conductors	356.0	0.77%
Underground Conduit	357.0	Note 2
Underground Conductors	358.0	Note 2
<b>Composite Transmission Depreciation Rate</b>		<b>1.46%</b>
<b>GENERAL PLANT</b>		
Structures & Improvements	390.0	1.71%
Office Furniture & Equipment	391.0	2.82%
Stores Equipment	393.0	2.22%
Tools Shop & Garage Equipmen	394.0	3.12%
Laboratory Equipment	395.0	3.17%
Communication Equipment	397.0	3.32%
Miscellaneous Equipment	398.0	4.92%
<b>Total General Plant</b>		<b>3.25%</b>

Reference:

Note 1: Rates Approved In Tennessee Regulatory Authority Docket No. 16-00001.  
K

Note 2: Kingsport Power Company does not have investment in plant  
accounts 357 or 358. Therefore, there are no depreciation rates approved

**General Note**

AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

AEP EAST COMPANIES  
PJM FORMULA RATE  
WORKSHEET P - TRANSMISSION DEPRECIATION RATES  
EFFECTIVE AS OF 07/1/2015  
FOR SINGLE JURISDICTION COMPANIES  
KENTUCKY POWER COMPANY

	<b>PLANT ACCT.</b>	<b>RATES Note 1</b>
<hr/> <b>TRANSMISSION PLANT</b>		
Land Rights	350.1	1.44%
Structures & Improvements	352.0	2.08%
Station Equipment	353.0	2.15%
Towers & Fixtures	354.0	2.61%
Poles & Fixtures	355.0	3.95%
Overhead Conductors	356.0	2.91%
Underground Conduit	357.0	2.99%
Underground Conductors	358.0	2.62%

Reference:

Note 1: Rates Approved in KPSC Case No. 2014-00396.

**General Note**

AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

AEP EAST COMPANIES  
PJM FORMULA RATE  
WORKSHEET P - TRANSMISSION DEPRECIATION RATES  
EFFECTIVE AS OF 1/1/2012  
FOR SINGLE JURISDICTION COMPANIES  
OHIO POWER COMPANY

	PLANT ACCT.	RATES Note 1
<b><i>TRANSMISSION PLANT</i></b>		
Structures & Improvements	352.0	2.02%
Station Equipment	353.0	2.29%
Twrs and Fixtures Above 69 KV	354.0	1.88%
Twrs and Fixtures Below 69 KV	354.0	1.88%
Poles and Fixtures Above 69 KV	355.0	3.52%
Poles and Fixtures Below 69 KV	355.0	3.52%
Overhead Conductor & Devices Above 69KV	356.0	1.91%
Overhead Conductor & Devices MSP	356.0	1.91%
Overhead Conductor & Devices 138KV	356.0	1.91%
Overhead Conductor & Devices 69KV	356.0	1.91%
Overhead Conductor & Devices CLR	356.0	1.91%
Underground Conduit	357.0	2.26%
Underground Conductors	358.0	3.27%

Reference:

Note 1: These are the weighted average of the depreciation rates in effect for Columbus Southern Power and Ohio Power prior to the merger of Columbus Southern into Ohio Power.

**General Note:**

AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

AEP EAST COMPANIES  
PJM FORMULA RATE  
WORKSHEET P - TRANSMISSION DEPRECIATION RATES  
EFFECTIVE AS OF 3/6/2019  
FOR SINGLE JURISDICTION COMPANIES  
WHEELING POWER COMPANY

	PLANT ACCT.	RATES Note 1
<b>TRANSMISSION PLANT</b>		
Structures & Improvements	352.0	1.15%
Station Equipment	353.0	2.22%
Towers & Fixtures	354.0	2.65%
Poles & Fixtures	355.0	2.41%
Overhead Conductors	356.0	1.32%
Underground Conduit	351.0	9.94%
Underground Conductors	351.0	13.98%
Trails & Roads	359.0	-
<b>GENERAL PLANT</b>		
Structures & Improvements	390.0	1.08%
Office Furniture & Equipment	391.0	2.13%
Stores Equipment	393.0	1.78%
Tools Shop & Garage Equipment	394.0	1.65%
Communication Equipment	397.0	5.09%
Miscellaneous Equipment	398.0	2.76%

Note 1: Rates Approved in WV Public Service Commission Case No. 14-1151-E-D.

**General Note:**

AEP will make a 205 filing whenever a company's rates are changed by their commission(s), or if the methodology to calculate the jurisdictional allocator in multiple-state companies changes. Changes in the allocation factors will not necessitate a 205 filing.

**AEP East Companies**  
**Cost of Service Formula Rate Using Actual/Projected FF1 Balances**  
**Worksheet Q - True-up With Interest**

Reconciliation Revenue Requirement For Year 2019 Available May 25, 2020		2019 Forecasted Revenue Requirement For Year 2019		True-up Adjustment - Over (Under) Recovery
\$10,915,703	-	\$11,060,082	=	\$144,379

Interest Rate on Amount of Refunds or Surcharges from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.4195%				

An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020

<u>Calculation of Interest</u>					Monthly	
January	Year 2019	12,032	0.4195%	12	(606)	(12,637)
February	Year 2019	12,032	0.4195%	11	(555)	(12,587)
March	Year 2019	12,032	0.4195%	10	(505)	(12,536)
April	Year 2019	12,032	0.4195%	9	(454)	(12,486)
May	Year 2019	12,032	0.4195%	8	(404)	(12,435)
June	Year 2019	12,032	0.4195%	7	(353)	(12,385)
July	Year 2019	12,032	0.4195%	6	(303)	(12,334)
August	Year 2019	12,032	0.4195%	5	(252)	(12,284)
September	Year 2019	12,032	0.4195%	4	(202)	(12,233)
October	Year 2019	12,032	0.4195%	3	(151)	(12,183)
November	Year 2019	12,032	0.4195%	2	(101)	(12,133)
December	Year 2019	12,032	0.4195%	1	(50)	(12,082)
					(3,937)	(148,316)

January through December	Year 2019	(148,316)	0.4195%	12	Annual (7,466)	(155,782)
--------------------------	-----------	-----------	---------	----	-------------------	-----------

<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>					Monthly	
January	Year 2021	155,782	0.4195%		(654)	13,339
February	Year 2021	143,097	0.4195%		(600)	13,339
March	Year 2021	130,359	0.4195%		(547)	13,339
April	Year 2021	117,567	0.4195%		(493)	13,339
May	Year 2021	104,722	0.4195%		(439)	13,339
June	Year 2021	91,822	0.4195%		(385)	13,339
July	Year 2021	78,869	0.4195%		(331)	13,339
August	Year 2021	65,861	0.4195%		(276)	13,339
September	Year 2021	52,799	0.4195%		(221)	13,339
October	Year 2021	39,682	0.4195%		(166)	13,339
November	Year 2021	26,510	0.4195%		(111)	13,339
December	Year 2021	13,283	0.4195%		(56)	13,339
					(4,280)	

True-Up Adjustment with Interest	(160,062)
Less Over (Under) Recovery	144,379
Total Interest	(15,683)

Note 1: The interest rate to be applied to the over recovery or under recovery amounts will be determined using the average monthly FERC interest rate (as determined pursuant to 18 C.F.R. Section 35.19a) for the twenty (20) months from the beginning of the rate year being true-up through August 31 of the following year.

**AEP East Companies**  
**Cost of Service Formula Rate Using Actual/Projected FF1 Balances**  
**Worksheet Q - True-up With Interest**

Reconciliation Revenue Requirement For Year 2019 Available May 25, 2020	-	2019 Forecasted Revenue Requirement For Year 2019	=	True-up Adjustment - Over (Under) Recovery
\$123,092		\$131,100		\$8,008

Interest Rate on Amount of Refunds or Surcharges from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.4195%				

An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020

<u>Calculation of Interest</u>					Monthly		
January	Year 2019	667	0.4195%	12	(34)		(701)
February	Year 2019	667	0.4195%	11	(31)		(698)
March	Year 2019	667	0.4195%	10	(28)		(695)
April	Year 2019	667	0.4195%	9	(25)		(693)
May	Year 2019	667	0.4195%	8	(22)		(690)
June	Year 2019	667	0.4195%	7	(20)		(687)
July	Year 2019	667	0.4195%	6	(17)		(684)
August	Year 2019	667	0.4195%	5	(14)		(681)
September	Year 2019	667	0.4195%	4	(11)		(679)
October	Year 2019	667	0.4195%	3	(8)		(676)
November	Year 2019	667	0.4195%	2	(6)		(673)
December	Year 2019	667	0.4195%	1	(3)		(670)
					(218)		(8,226)
					Annual		
January through December	Year 2019	(8,226)	0.4195%	12	(414)		(8,640)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>					Monthly		
January	Year 2021	8,640	0.4195%		(36)	740	(7,937)
February	Year 2021	7,937	0.4195%		(33)	740	(7,230)
March	Year 2021	7,230	0.4195%		(30)	740	(6,521)
April	Year 2021	6,521	0.4195%		(27)	740	(5,808)
May	Year 2021	5,808	0.4195%		(24)	740	(5,093)
June	Year 2021	5,093	0.4195%		(21)	740	(4,374)
July	Year 2021	4,374	0.4195%		(18)	740	(3,653)
August	Year 2021	3,653	0.4195%		(15)	740	(2,929)
September	Year 2021	2,929	0.4195%		(12)	740	(2,201)
October	Year 2021	2,201	0.4195%		(9)	740	(1,470)
November	Year 2021	1,470	0.4195%		(6)	740	(737)
December	Year 2021	737	0.4195%		(3)	740	(0)
					(237)		
True-Up Adjustment with Interest						(8,878)	
Less Over (Under) Recovery						8,008	
Total Interest						(870)	

Note 1: The interest rate to be applied to the over recovery or under recovery amounts will be determined using the average monthly FERC interest rate (as determined pursuant to 18 C.F.R. Section 35.19a) for the twenty (20) months from the beginning of the rate year being true-up through August 31 of the following year.



**AEP East Companies**  
**Cost of Service Formula Rate Using Actual/Projected FF1 Balances**  
**Worksheet Q - True-up With Interest**

Reconciliation Revenue Requirement For Year 2019 Available May 25, 2020	-	2019 Forecasted Revenue Requirement For Year 2019	=	True-up Adjustment - Over (Under) Recovery
\$76,377		\$57,663		(\$18,714)

Interest Rate on Amount of Refunds or Surcharges from 35.19a	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
		0.4195%				

An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorata over 2020

<u>Calculation of Interest</u>					Monthly	
January	Year 2019	(1,559)	0.4195%	12	79	1,638
February	Year 2019	(1,559)	0.4195%	11	72	1,631
March	Year 2019	(1,559)	0.4195%	10	65	1,625
April	Year 2019	(1,559)	0.4195%	9	59	1,618
May	Year 2019	(1,559)	0.4195%	8	52	1,612
June	Year 2019	(1,559)	0.4195%	7	46	1,605
July	Year 2019	(1,559)	0.4195%	6	39	1,599
August	Year 2019	(1,559)	0.4195%	5	33	1,592
September	Year 2019	(1,559)	0.4195%	4	26	1,586
October	Year 2019	(1,559)	0.4195%	3	20	1,579
November	Year 2019	(1,559)	0.4195%	2	13	1,573
December	Year 2019	(1,559)	0.4195%	1	7	1,566
					510	19,224

January through December	Year 2019	19,224	0.4195%	12	968	20,192
--------------------------	-----------	--------	---------	----	-----	--------

<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>					Monthly	
January	Year 2021	(20,192)	0.4195%		85	18,548
February	Year 2021	(18,548)	0.4195%		78	16,896
March	Year 2021	(16,896)	0.4195%		71	15,238
April	Year 2021	(15,238)	0.4195%		64	13,573
May	Year 2021	(13,573)	0.4195%		57	11,902
June	Year 2021	(11,902)	0.4195%		50	10,223
July	Year 2021	(10,223)	0.4195%		43	8,537
August	Year 2021	(8,537)	0.4195%		36	6,844
September	Year 2021	(6,844)	0.4195%		29	5,143
October	Year 2021	(5,143)	0.4195%		22	3,436
November	Year 2021	(3,436)	0.4195%		14	1,722
December	Year 2021	(1,722)	0.4195%		7	0
					555	

True-Up Adjustment with Interest	20,746
Less Over (Under) Recovery	(18,714)
Total Interest	2,033

Note 1: The interest rate to be applied to the over recovery or under recovery amounts will be determined using the average monthly FERC interest rate (as determined pursuant to 18 C.F.R. Section 35.19a) for the twenty (20) months from the beginning of the rate year being trued-up through August 31 of the following year.