

AEPTCo subsidiaries in PJM
Transmission Cost of Service Formula Rate
Utilizing Actual/Projected FERC Form 1 Data
West Virginia Transmission Company

For Twelve Months Ended

2022

Line No.						Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(In 113)				\$244,590,387
			Total		Allocator	
2	REVENUE CREDITS	(Worksheet E, In 8) (Note A)	-	DA	1.00000	\$ -
3	Facility Credits under PJM OATT Section 30.9	Worksheet E, In 9) (Note X)				0
4	REVENUE REQUIREMENT For All Company Facilities	(In 1 less In 2 plus In 3)				\$ 244,590,387
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)		51,629,251	DA	1.00000	\$ 51,629,251
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)					
7	Annual Rate	((In 1 - In 80)/(In 33) x 100))				13.59%
8	Monthly Rate	(In 7 / 12)				1.13%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)					
10	Annual Rate	((In 1 - In 80 - In 83)/(In 33) x 100))				10.87%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)					
12	Annual Rate	((In 1 - In 80 - In 83 - In 108 - In 109) /(In 33) x 100))				2.17%
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 63 Below				286,000
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)					-
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)					-
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)				286,000

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(1)		(2)	(3)	(4)		(5)
RATE BASE CALCULATION		Data Sources (See "General Notes")	TO Total NOTE C	Allocator		Total Transmission
Line No.						
19	GROSS PLANT IN SERVICE					
19	Transmission	(Worksheet A In 14.(d) & Ln 117)	1,945,697,000	DA		1,945,697,000
20	Less: Transmission ARO (Enter Negative)	(Worksheet A In 14.(e))	-	TP	1.00000	-
21	General Plant	(Worksheet A In 14.(h))	3,490,000	W/S	1.00000	3,490,000
22	Less: General Plant ARO (Enter Negative)	(Worksheet A In 14.(i))	-	W/S	1.00000	-
23	Intangible Plant	(Worksheet A In 14.(j))	23,068,000	W/S	1.00000	23,068,000
24	TOTAL GROSS PLANT	(Sum of Lines: 19 to 23)	1,972,255,000	GP=	1.000000	1,972,255,000
				GTD=	1.00000	
25	ACCUMULATED DEPRECIATION AND AMORTIZATION					
26	Transmission	(Worksheet A In 28.(d) & Ln 43.(b))	146,130,000	DA	1.00000	146,130,000
27	Less: Transmission ARO (Enter Negative)	(Worksheet A In 28.(e))	-	TP	1.00000	-
28	General Plant	(Worksheet A In 28.(h))	25,000	W/S	1.00000	25,000
29	Less: General Plant ARO (Enter Negative)	(Worksheet A In 28.(i))	-	W/S	1.00000	-
30	Intangible Plant	(Worksheet A In 28.(j))	10,462,000	W/S	1.00000	10,462,000
31	TOTAL ACCUMULATED DEPRECIATION	(Sum of Lines: 26 to 30)	156,617,000			156,617,000
32	NET PLANT IN SERVICE					
33	Transmission	(In 19 + In 20 - In 26 - In 27)	1,799,567,000			1,799,567,000
34	General Plant	(In 21 + In 22 - In 28 - In 29)	3,465,000			3,465,000
35	Intangible Plant	(In 23 - In 30)	12,606,000			12,606,000
36	TOTAL NET PLANT IN SERVICE	(Sum of Lines: 33 to 35)	1,815,638,000	NP=	1.000000	1,815,638,000
37	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)				
38	Account No. 281.1 (enter negative)	(Worksheet B, In 2 & In 5.E)	-	NA		-
39	Account No. 282.1 (enter negative)	(Worksheet B, In 7 & In 10.E)	(114,578,500)	DA		(146,683,000)
40	Account No. 283.1 (enter negative)	(Worksheet B, In 12 & In 15.E)	(53,333,500)	DA		(43,842,500)
41	Account No. 190.1	(Worksheet B, In 17 & In 20.E)	67,486,000	DA		48,848,000
42	Account No. 255 (enter negative)	(Worksheet B, In 24 & In 25.E)	-	DA		-
43	TOTAL ADJUSTMENTS	(sum Ins 38 to 42)	(100,626,000)			(141,677,500)
44	PLANT HELD FOR FUTURE USE	(Worksheet A In 44.(e)) In 45.(e))	-	DA		-
45	REGULATORY ASSETS	(Worksheet A In 51.(e))	-	DA		-
46	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y (Worksheet A In 54.(e))		-	W/S	1.00000	-
47	WORKING CAPITAL	(Note E)				
48	Cash Working Capital	(1/8 * In 66)	2,118,375			2,118,375
49	Transmission Materials & Supplies	(Worksheet C, In 2.(F))	-	TP	1.00000	-
50	A&G Materials & Supplies	(Worksheet C, In 3.(F))	-	W/S	1.00000	-
51	Stores Expense	(Worksheet C, In 4.(F))	-	GP	1.00000	-
52	Prepayments (Account 165) - Labor Allocated	(Worksheet C, In 8.(G))	-	W/S	1.00000	-
53	Prepayments (Account 165) - Gross Plant	(Worksheet C, In 8.(F))	481,000	GP	1.00000	481,000
54	Prepayments (Account 165) - Transmission Only	(Worksheet C, In 8.(E))	-	DA	1.00000	-
55	Prepayments (Account 165) - Unallocable	(Worksheet C, In 8.(D))	-	NA	0.00000	-
56	TOTAL WORKING CAPITAL	(sum Ins 48 to 55)	2,599,375			2,599,375
57	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, In 8.B)	-	DA	1.00000	-
58	RATE BASE (sum Ins 36, 43, 44, 45, 46, 56, 57)		1,717,611,375			1,676,559,875

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	(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				
59	Customer Related Expense	322 & 323.164,171,178.b	-		
60	Regional Marketing Expenses	322.131.b	-		
61	Transmission	321.112.b	17,233,000		
62	TOTAL O&M EXPENSES	(sum Ins 59 to 61)	17,233,000		
63	Less: Total Account 561	(Note G) (Worksheet F, In 14.C)	286,000		
64	Less: Account 565	(Note H) 321.96.b	-		
65	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, In 4.C)	-		
66	Total O&M Allocable to Transmission	(Ins 61 - 63 - 64 - 65)	16,947,000	TP 1.00000	16,947,000
67	Administrative and General	323.197.b (Notes J & M)	5,966,000		
68	Less: Acct. 924, Property Insurance	323.185.b	407,000		
69	Acct. 928, Rea. Com. Exp.	323.189.b	-		
70	Acct. 930.1, Gen. Advert. Exp.	323.191.b	-		
71	Acct. 930.2, Misc. Gen. Exp.	323.192.b	67,000		
72	Balance of A & G	(In 67 - sum In 68 to In 71)	5,492,000	W/S 1.00000	5,492,000
73	Plus: Acct. 924, Property Insurance	(In 68)	407,000	GP(h) 1.00000	407,000
74	Acct. 928 - Transmission Specific	Worksheet F In 21.(E) (Note L)	-	TP 1.00000	-
75	Acct 930.1 - Only safety related ads -Direct	Worksheet F In 38.(E) (Note L)	-	TP 1.00000	-
76	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F In 42.(E) (Note L)	16,000	DA 1.00000	16,000
77	PBCP Adjustment	Worksheet O Ln 16.(B). (Note K & M)	475,000	W/S 1.00000	475,000
78	A & G Subtotal	(sum Ins 72 to 77)	6,390,000		6,390,000
79	O & M EXPENSE SUBTOTAL	(In 66 + In 78)	23,337,000		23,337,000
80	Plus: Transmission Lease Payments To Affiliates in Acct 565 (Company Records) (Note H)		-	DA 0.00000	-
81	TOTAL O & M EXPENSE	(In 79 + In 80)	23,337,000		23,337,000
82	DEPRECIATION AND AMORTIZATION EXPENSE				
83	Transmission	336.7.f	48,902,000	TP 1.00000	48,902,000
84	General	336.10.f	53,000	W/S 1.00000	53,000
85	Intangible	336.1.f	4,084,000	W/S 1.00000	4,084,000
86	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 83+84+85)	53,039,000		53,039,000
87	TAXES OTHER THAN INCOME	(Note N)			
88	Labor Related				
89	Payroll	Worksheet H In 23.(D)	-	W/S 1.00000	-
90	Plant Related				
91	Property	Worksheet H-p2 In 3.(C) & In 3.(G)	11,561,000	DA 1.00000	11,561,000
92	Gross Receipts/Sales & Use	Worksheet H In 23.(F)	-	NA 0.00000	-
93	Other	Worksheet H In 23.(E)	-	GP 1.00000	-
94	TOTAL OTHER TAXES	(sum Ins 89 to 93)	11,561,000		11,561,000
95	INCOME TAXES	(Note O)			
96	$T=1 - ((1 - SIT) * (1 - FIT)) / (1 - SIT * FIT * p)) =$		26.14%		
97	$EIT=(T/(1-T)) * (1-(WCLTD/WACC)) =$		27.60%		
98	where WCLTD=(In 136) and WACC = (In 139)				
99	and FIT, SIT & p are as given in Note O.				
100	$GRCF=1 / (1 - T) =$ (from In 96)		1.3538		
101	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, In 19.c)	-		
102	Excess Deferred Income Tax	(Note T)	552,000	NP(h) 1.00000	552,000
103	Tax Effect of Permanent and Flow-Through Differences	(Note T)	254,000	NP(h) 1.00000	254,000
104	Income Tax Calculation	(In 97 * In 109)	34,474,029		33,650,088
105	ITC adjustment	(In 100 * In 101)	-	NP(h) 1.00000	-
106	Excess Deferred Income Tax	(In 100 * In 102)	747,309		747,309
107	Tax Effect of Permanent and Flow-Through Differences	(In 100 * In 103)	343,871		343,871
108	TOTAL INCOME TAXES	(sum Ins 104 to 107)	35,565,209		34,741,268
109	RETURN ON RATE BASE (Rate Base*WACC)	(In 58 * In 139)	124,897,204		121,912,118
110	INTEREST ON IPP CONTRIBUTION FOR CONST. (Note F) (Worksheet D, In 2.(B))		-	DA 1.00000	-
111	(Gains) / Losses on Sales of Plant Held for Future Use (Worksheet N, In 4, Cols. ((F) & (H))		-		-
112	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use (In 111 * In97)		-		-
113	TOTAL REVENUE REQUIREMENT		248,399,414		244,590,387
	(sum Ins 81, 86, 94, 108, 109, 110, 111, 112)				

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SUPPORTING CALCULATIONS

No.	TRANSMISSION PLANT INCLUDED IN PJM TARIFF									
114	Total transmission plant	(In 19)								1,945,697,000
115	Less transmission plant excluded from PJM Tariff	(Worksheet A, In 42.(d)) (Note P)								-
116	Less transmission plant included in OATT Ancillary Services	(Worksheet A, In 42, Col. (b)) (Note Q)								-
117	Transmission plant included in PJM Tariff	(In 114 - In 115 - In 116)								1,945,697,000
118	Percent of transmission plant in PJM Tariff	(In 117 / In 114)							TP=	1.00000
119	WAGES & SALARY ALLOCATOR (W/S)	(Note R)	Direct Payroll	Payroll Billed from AEP Service Corp.	Total					
120	Line Deliberately Left Blank									
121	Transmission	354.21.b	0	5,320,000	5,320,000	TP	1.00000			5,320,000
122	Regional Market Expenses	354.22.b	0	0	-	NA	0.00000			-
123	Line Deliberately Left Blank									
124	Other (Excludes A&G)	354.24,25,26.b	0	0	-	NA	0.00000			-
125	Total	(sum Ins 121, 122, & 124)	-	5,320,000	5,320,000					5,320,000
126	Transmission related amount								W/S=	1.00000
127	Actual (Uncapped) Capital Structure									
128	WEIGHTED AVERAGE COST OF CAPITAL (WACC)									
129	Long Term Interest	(Worksheet M, In.36, col.(d))							\$	29,129,000
130	Preferred Dividends	(Worksheet M, In. 45, col.(d))								-
131	Development of Common Stock:									-
132	Proprietary Capital	(Worksheet M, In. 14, col.(b))								998,468,000
133	Less: Preferred Stock	(Worksheet M, In. 14, col.(c))								-
134	Less: Account 216.1	(Worksheet M, In. 14, col.(d))								-
135	Less: Account 219	(Worksheet M, In. 14, col.(e))								-
136	Common Stock	(In 131 - In 132 - In 133 - In 134)								998,468,000
Capital Structure Percentages										
			\$	%	Cap Limit	Cost (Note S)			Weighted	
136	Long Term Debt (Note S) Worksheet M, In 28, col. (g), In 37, col. (d))		823,292,000	45.19%	45.19%	3.54%				0.0160
137	Preferred Stock (In 132)		-	0.00%	0.00%	0.00%				0.0000
138	Common Stock (In 135)		998,468,000	54.81%	54.81%	10.35%				0.0567
139	Total (Sum Ins 136 to 138)		1,821,760,000	100.00%					WACC=	0.0727
140	Capital Structure Equity Limit (Note Z)		55.00%							

55.00%

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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 Transmission Companies have any directly assigned transmission facilities, the revenue credits in the 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-ROEs. Interest will be calculated based on Worksheet R 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 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 flow throughs 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 RM02-7-000, Asset Retirement Obligation deferrals have been removed from ratebase. Transmission ADIT allocations are shown on WS B.
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)-(h)(6)(ii). Detailed balances for the projected or actual period, distinguished between utility and non-utility balances, will be filed and posted as part of the informational filing.
The company will not include the ADIT portion of deferred hedge gains and losses in rate base.

E Cash Working Capital assigned to transmission is one-eighth of O&M allocated to transmission, as shown on line 66. It excludes:
1) Load Scheduling & Dispatch Charges in account 561 that are collected in the OATT Ancillary Services Revenue, as shown on line 63.
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 65
4) All A&G Expenses, as shown on line 78.

F Consistent with Paragraph 657 of Order 2003-A, the amount on line 57 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 110.

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 66. To the extent such service is incurred to provide the PJM service at issue, e.g. lease payments to affiliates, such costs are added back on line 80 to determine the total O&M collected in the formula. The amounts on line80 is also excluded in the calculation of the FCR percentage calculated on lines 6 through 12.

The addbacks on line80 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 line80 is the West Virginia Transmission 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 The Post-employment Benefit Other than Pension (PBOP) expense is fixed based on an approved ratio of PBOP expense to direct labor expense.

L Expenses reported for these A&G accounts will be included in the cost of service only to the extent they are directly assignable to transmission service. Worksheet F allocates these expense items. Acct 928 Includes Regulatory Commission expenses itemized in FERC Form-1 at page 351, column H. FERC Assessment Fees and Annual Charges shall not be allocated to transmission. Only safety-related and educational advertising costs in Account 930.1 are included in the TCOS. 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. Recoverable PBOP expense is based on a rate of \$(0.058) cents per dollar of direct labor. This rate may be adjusted up or down every four years based on a comparison of the Allowable TransCo PBOP Expense and the Actual PBOP Expense for a four year Historic and four year Projected period. If the over or under collection is greater than plus or minus 20% of the recoverable amount, an adjustment will be proposed in a Section 205 rate filing.

N Includes only FICA, unemployment, highway, property and other assessments. 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 101) multiplied by (1/(1-T)) . If the applicable tax rates are zero enter 0.

Inputs Required:	FIT =	21.00%	
	SIT =	6.50%	(State Income Tax Rate or Composite SIT, Worksheet G)
	p =	0.00%	(percent of federal income tax deductible for state purposes)

The formula rate shall reflect the applicable state and federal statutory tax rates in effect during the period the calculated estimated unit charges are applicable. 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.

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 (Ln 128)/average long term debt (Ln 136). Preferred Stock cost rate = preferred dividends (Ln 129)/preferred outstanding (In 137).
Common Stock cost rate (ROE) = 11.49%, the rate accepted by FERC in Docket No. ER10-355. It includes an additional 50 basis points for PJM RTO membership. All Transmission Companies other than AEP Appalachian Transmission Company utilize their own capital structure and costs as shown on Worksheet M. The calculations on Worksheet M will use the projected or actual 13 month average balances of long-term debt, common and preferred equity and calendar year long term debt interest expenses, preferred dividends and approved ROE. The long term debt balances and long term debt cost rate shall not include any amounts related to hedging activity. As shown on Worksheet Q, the AEP Appalachian Transmission Company capital structure and weighted cost of capital (WACC) shall be based on the weighted composite of the AEP East Operating Companies beginning and ending average outstanding LTD and PS issuances with the common equity portion in Docket No. ER08-1329, and (2) the weighted composite LTD and PS cost using projected or actual calendar year LTD expense and PS dividends of the AEP East Operating Companies excluding all interest rate hedging costs and/or gains, until the Company establishes its own actual capital structure.

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.

T

U 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

V The formula rate shall allocate property tax expense based on the as filed net plant cost allocation method detailed on Worksheet H.

W AEP Transmission Companies will record depreciation expense using composites of the depreciation rates shown on Worksheet P which rates will not be changed absent a Section 205 or 206 filing at FERC to seek a change in depreciation rates. No other changes to the formula rate may be included in that filing.

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.
X 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.
Y 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.
Z

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet A Rate Base
West Virginia Transmission Company

Line No	Month (a)	Gross Plant In Service				
		Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 58	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), In 99	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	1,871,339,000		3,344,000		21,352,000
2	January	1,874,126,000		3,348,000		21,772,000
3	February	1,877,488,000		3,353,000		22,101,000
4	March	1,878,304,000		3,357,000		22,368,000
5	April	1,881,205,000		3,361,000		22,621,000
6	May	1,882,018,000		3,365,000		22,867,000
7	June	1,893,355,000		3,369,000		23,111,000
8	July	1,896,291,000		3,373,000		23,353,000
9	August	1,941,682,000		3,436,000		23,592,000
10	September	1,966,110,000		3,499,000		23,835,000
11	October	2,033,369,000		3,561,000		24,076,000
12	November	2,099,110,000		3,623,000		24,318,000
13	December of Rate Year	2,199,670,000		4,386,000		24,514,000
14	Average of the 13 Monthly Balances	1,945,697,000	-	3,490,000	-	23,068,000

Line No	Month (a)	Accumulated Depreciation				
		Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 219, In 25, Col. (b)	Company Records (Included in total in Column (d))	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	122,419,000		(1,000)		8,467,000
16	January	126,322,000		3,000		8,781,000
17	February	130,232,000		7,000		9,102,000
18	March	134,149,000		12,000		9,428,000
19	April	138,068,000		16,000		9,759,000
20	May	141,993,000		20,000		10,094,000
21	June	145,921,000		24,000		10,433,000
22	July	149,873,000		28,000		10,776,000
23	August	153,833,000		33,000		11,123,000
24	September	157,894,000		37,000		11,474,000
25	October	162,011,000		42,000		11,829,000
26	November	166,279,000		47,000		12,188,000
27	December of Rate Year	170,694,000		52,000		12,551,000
28	Average of the 13 Monthly Balances	146,130,000	-	25,000	-	10,462,000

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet A Rate Base
West Virginia Transmission Company

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 (d) of accumulated depreciation above)	Company Records	Company Records
29	December Prior to Rate Year	-	-	-	-
30	January	-	-	-	-
31	February	-	-	-	-
32	March	-	-	-	-
33	April	-	-	-	-
34	May	-	-	-	-
35	June	-	-	-	-
36	July	-	-	-	-
37	August	-	-	-	-
38	September	-	-	-	-
39	October	-	-	-	-
40	November	-	-	-	-
41	December of Rate Year	-	-	-	-
42	Average of the 13 Monthly Balances	-	-	-	-

43 Transmission Accumulated Depreciation net of GSU 146,130,000

<u>Plant Held For Future Use</u>		<u>Source of Data</u>	<u>Balance @ December 31, 2022</u>	<u>Balance @ December 31, 2021</u>	<u>Average Balance for 2022</u>
(a)	(b)	(c)	(d)	(e)	
44 <u>Plant Held For Future Use</u>	FF1, page 214, ln 47, Col. (d)	-	-	-	-
45 <u>Transmission Plant Held For Future Use (Included in total on line 4</u>	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)

52	<u>Description</u>	<u>Account</u>
----	--------------------	----------------

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet A Rate Base
West Virginia Transmission Company

53a					-
53b					-
54		Total	-	-	-

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.

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet B Supporting ADIT and ITC Balances
West Virginia Transmission Company

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) Source</u>	<u>(C) Balance @ December 31, 2022</u>	<u>(D) Balance @ December 31, 2021</u>	<u>(E) Average Balance for 2022</u>
1	<u>Account 281</u>				
2	Year End Utility Deferrals	FF1, p. 272 - 273, In 8, Col. (k)	-	-	-
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)	-	-	-
5	Transmission Related Deferrals	Ln 2 - In 3 - In 4	-	-	-
6	<u>Account 282</u>				
7	Year End Utility Deferrals	FF1, p. 274 - 275, In 5, Col. (k)	123,015,000	106,142,000	114,578,500
8	Less: ARO Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 7 (Note 1)	-	-	-
9	Less: Other Excluded Deferrals	WS B-1 - Actual Stmt. AF Ln. 6 (Note 1)	(27,553,000)	(36,656,000)	(32,104,500)
10	Transmission Related Deferrals	Ln 7 - In 8 - In 9	150,568,000	142,798,000	146,683,000
11	<u>Account 283</u>				
12	Year End Utility Deferrals	FF1, p. 276 - 277, In 9, Col. (k)	53,399,000	53,668,000	53,533,500
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)	9,691,000	9,691,000	9,691,000
15	Transmission Related Deferrals	Ln 12 - In 13 - In 14	43,708,000	43,977,000	43,842,500
16	<u>Account 190</u>				
17	Year End Utility Deferrals	FF1, p. 234, In 8, Col. (c)	62,594,000	72,378,000	67,486,000
18	Less: ARO Related Deferrals	WS B-2 - Actual Stmt. AG Ln. 4 (Note 1)	-	-	-
19	Less: Other Excluded Deferrals	WS B-2 - Actual Stmt. AG Ln. 3 (Note 1)	18,638,000	18,638,000	18,638,000
20	Transmission Related Deferrals	Ln 17 - In 18 - In 19	43,956,000	53,740,000	48,848,000
21	<u>Account 255</u>				
22	Year End ITC Balances	FF1, p. 266-267, In 8, Col. (h)	-	-	-
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	-	-	-
24	ITC Balances Includeable in Ratebase	Ln 22 - In 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 1.167(l)-l(h)(6)(ii). Line item detail of actual deferred tax items will be included on Worksheet B.

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

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			FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2021			FUNCTIONALIZATION 12/31/2022		
ACCUMULATED DEFERRED FIT ITEMS	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2022	BALANCE AS OF 12-31-2021	BALANCE AS OF 12-31-2022	UTILITY (B+C+D+E)/2	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									
2.05		0	0	0	0									
2.06		0	0	0	0									
3 TOTAL ACCOUNT 281		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
5 ACCOUNT 282:														
5.30				0	0	0								
5.40				0	0	0								
5.41				0	0	0								
6 TOTAL ACCOUNT 282		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
8 ACCOUNT 283:														
8.94				0	0	0								
8.95				0	0	0								
8.96				0	0	0								
8.97				0	0	0								
8.98				0	0	0								
8.99				0	0	0								
10		0	0	0	0	0		0	0		0	0	0	0
11 DEFID STATE INCOME TAXES		0	0		0	0		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
13 ACCOUNT 283 - ARO-Related Deferrals		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 A/C 255														
18.01		0	0		0	0		0	0		0	0	0	0
18.02														
19														
20 TOTAL ACCOUNT 255		0	0	0	0	0		0	0		0	0	0	0

3 TOTAL ACCOUNT 190
4 ACCOUNT 190 - ARO-Related Deferrals

WEST VIRGINIA TRANSMISSION COMPANY, INC.
Worksheet B-3
Excess/ Deficient ADIT Worksheet
For Year Ended December 31, 2022
Debit/(Credit)

A B C D E

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	2821001	ADFIT - Utility Property	Protected	TCJA 2017
1c	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017
1d	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017
1e	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017
1f	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017
1g	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017
1h	NOTE D			
Regulatory Deferral Accounts				
2a	182.3	Regulatory Asset		TCJA 2017
2b	254	Regulatory Liability		TCJA 2017
2c	NOTE D			
3	Total For Accounting Entires (Sum of Lines 1a through 2b)			

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 balance or entry. Accounts with the "1" at the fourth place of the account number indicates accounts used to track regulatory accounting requirements. This will ensure that in the formula rate the excess amount will be part of ratebase, but at the total FERC account in the "4" will be offset on a net basis in the regulatory asset or liability subaccount established for this purpose.

NOTE B: The amount of the FIT gross up to recorded on regulatory assets and liabilities will be reported on the first line.

NOTE C: 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 D: In the event of future tax rate changes, additional lines will be inserted as required to reflect any new ADIT.

NOTE E: The amount of excess amortization entries shown in lines 1a through 1h are shown as a debit or credit to the charged to the 410/411 account.

[illegible]

K	L	M	N	O	P
Balance Sheet Entries			Tax Expense Entries		12/31/2022 Entry
Balance Sheet Account Reclassifications	182.3	254	410/411 Excess Amortization NOTE C	410/411 Deferred Tax Expense/ (Benefit)	Excess ADIT Regulatory Offset
Sum of Columns K through O:					
					-
					-
					-
					-
					-
					-
-	-	-	-	-	-
NOTE E					

Q
Ending Balance

R

Excess ADIT in Utility
Deferrals
Cols (I) - (O)

Reference

	WS B - 2 Col B/C, ADIT Item 2.12
-	WS B - 1 Col N, ADIT Item 5.15
-	WS B - 1 Col N, ADIT Item 5.16
	WS B - 1 Col B/C, ADIT Item 5.19
-	WS B - 1 Col N, ADIT Item 9.04
	WS B - 1 Col B/C, ADIT Item 9.07

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

-

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet C Supporting Working Capital Rate Base Adjustments
West Virginia Transmission Company

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
Materials & Supplies								
Line Number	Source		Balance @ December 31, 2022	Balance @ December 31, 2021	Average Balance for 2022			
1								
2	Transmission Materials & Supplies	FF1, p. 227, ln 8, Col. (c) & (b)	-	-	-			
3	General Materials & Supplies	FF1, p. 227, ln 11, Col. (c) & (b)			-			
4	Stores Expense (Undistributed) - Account 163	FF1, p. 227, ln 16, Col. (c) & (b)			-			

Prepayment Balance Summary (Note 1)

		<u>Average of YE Balance</u>	<u>Excludable Balances</u>	<u>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, 2022	481,000	0	0	481,000	0	481,000
7	Totals as of December 31, 2021	481,000	0	0	481,000	0	481,000
8	Average Balance	481,000	-	-	481,000	-	481,000

Prepayments Account 165 - Balance @ 12/31/2022

9	Acc. No.	Description	2022 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
10	1650001	Prepaid Insurance	259,000	-	-	259,000	-	259,000	Plant related insurance policies
11	165000218	Prepaid Taxes	-	-	-	-	-	-	
12	1650003	Prepaid Rents	-	-	-	-	-	-	
13	1650004	Prepaid Interest	-	-	-	-	-	-	
14	1650005	Prepaid Employee Benefits	-	-	-	-	-	-	
15	1650006	Other Prepayments	-	-	-	-	-	-	
16	1650009	Prepaid Carry Cost-Factored AR	-	-	-	-	-	-	
17	1650010	Prepaid Pension Benefits	-	-	-	-	-	-	
18	1650014	FAS 158 Qual Contra Asset	-	-	-	-	-	-	
19	1650016	FAS 112 ASSETS	-	-	-	-	-	-	
20	1650021	Prepaid Insurance - EIS	197,000	-	-	197,000	-	197,000	Plant related insurance policies
21	1650023	Prepaid Lease	25,000	-	-	25,000	-	25,000	Prepaid Lease
22	1650031	Prepaid OCIP Work Comp	-	-	-	-	-	-	
23	1650032	Prepaid OCIP Work Comp LT	-	-	-	-	-	-	
24	1650033	Prepaid OCIP Work Comp - Aff	-	-	-	-	-	-	
25	1650034	Prepaid OCIP Work Comp LT- Aff	-	-	-	-	-	-	
	Subtotal - Form 1, p 111.57.c		481,000	0	0	481,000	0	481,000	

Prepayments Account 165 - Balance @ 12/31/ 2021

26	Acc. No.	Description	2021 YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)	Explanation
27	1650001	Prepaid Insurance	259,000	-	-	259,000	-	259,000	Plant related insurance policies
28	165000218	Prepaid Taxes	-	-	-	-	-	-	
29	1650003	Prepaid Rents	-	-	-	-	-	-	
30	1650004	Prepaid Interest	-	-	-	-	-	-	
31	1650005	Prepaid Employee Benefits	-	-	-	-	-	-	
32	1650006	Other Prepayments	-	-	-	-	-	-	
33	1650009	Prepaid Carry Cost-Factored AR	-	-	-	-	-	-	
34	1650010	Prepaid Pension Benefits	-	-	-	-	-	-	
35	1650014	FAS 158 Qual Contra Asset	-	-	-	-	-	-	
36	1650016	FAS 112 ASSETS	-	-	-	-	-	-	
37	1650021	Prepaid Insurance - EIS	197,000	-	-	197,000	-	197,000	Plant related insurance policies
38	1650023	Prepaid Lease	25,000	-	-	25,000	-	25,000	Prepaid Lease
39	1650031	Prepaid OCIP Work Comp	-	-	-	-	-	-	
40	1650032	Prepaid OCIP Work Comp LT	-	-	-	-	-	-	
41	1650033	Prepaid OCIP Work Comp - Aff	-	-	-	-	-	-	
42	1650034	Prepaid OCIP Work Comp LT- Aff	-	-	-	-	-	-	
	Subtotal - Form 1, p 111.57.d		481,000	0	0	481,000	0	481,000	

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 [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).

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet D Supporting IPP Credits
West Virginia Transmission Company

<u>Line Number</u>	<u>(A) Description</u>	<u>(B) 2022</u>
1	Net Funds from IPP Customers 12/31/2021 (2022 FORM 1, P269)	-
2	Interest Expense (Company Records - Note 1)	-
3	Revenue Credits to Generators (Company Records - Note 1)	-
4	<u>Other Adjustments</u>	
5	Accounting Adjustment (Company Records - Note 1)	-
6		-
7	Net Funds from IPP Customers 12/31/2022 (2022 FORM 1, P269)	-
8	Average Balance for Year as Indicated in Column $((\text{Ln } 1 + \text{Ln } 7)/2)$	-
Note 1	On this worksheet Company Records refers to West Virginia Transmission Company's general ledger.	

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet E Supporting Revenue Credits
West Virginia Transmission 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)		-	
2	Account 451, Miscellaneous Service Revenues (FF1 p.300.17.(b); Company Records - Note 1)		-	
3	Account 454, Rent from Electric Property (FF1 p.300.19.(b); Company Records - Note 1)	-	-	-
4	Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)		-	
5	Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)	223,374,000	223,374,000	
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))	223,374,000	223,374,000	-
7	Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)		-	
8	Total Other Operating Revenues To Reduce Revenue Requirement	223,374,000	223,374,000	-
9	Facility Credits under PJM OATT Section 30.9			

Note 1 The total company data on this worksheet comes from the indicated FF1 source, or West Virginia Transmission 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)

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet F Supporting Allocation of Specific O&M or A&G Expenses
West Virginia Transmission Company

Formula Rate
WS F Misc Exp
Page 19 of 47

Line Number	(A) Item No.	(B) Description	(C) 2022 Expense	(D) 100% Non-Transmission	(E) 100% Transmission Specific	(F) Explanation
<u>Regulatory O&M Deferrals & Amortizations</u>						
1						
2						
3						
4		Total	-			
<u>Detail of Account 561 Per FERC Form 1</u>						
5						
6	FF1 p 321.85.b	561.1 - Load Dispatch - Reliability	-			
7	FF1 p 321.86.b	561.2 - Load Dispatch - Monitor & Operate Trans System	235,000			
8	FF1 p 321.87.b	561.3 - Load Dispatch - Trans Service & Scheduling	-			
9	FF1 p 321.88.b	561.4 - Scheduling, System Control & Dispatch	-			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	51,000			
11	FF1 p 321.90.b	561.6 - Transmission Service Studies	-			
12	FF1 p 321.91.b	561.7 - Generation Interconnection Studies	-			
13	FF1 p 321.92.b	561.8 - Reliability, Planning and Standards Development Services	-			
14		Total of Account 561	286,000			
<u>Account 928</u>						
15				-	-	
16				-	-	
17				-	-	
18				-	-	
19				-	-	
20				-	-	
21		Total (FERC Form 1 p.323.189.b)	-	-	-	
<u>Account 930.1</u>						
22				-	-	
23				-	-	
24				-	-	
25				-	-	
26				-	-	
27				-	-	
28				-	-	
29				-	-	
30				-	-	
31				-	-	
32				-	-	
33				-	-	
34				-	-	
35				-	-	
36				-	-	
37				-	-	
38		Total (FERC Form 1 p.323.191.b)	-	-	-	
<u>Account 930.2</u>						
39	9302000	Misc General Expenses	42,000	42,000	-	
40	9302003	Corporate & Fiscal Expenses	9,000	9,000	-	
41	9302007	Assoc Business Development Exp	16,000	-	16,000	
42		Total (FERC Form 1 p.323.192.b)	67,000	51,000	16,000	

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet G Supporting - Development of Composite State Income Tax Rate
West Virginia Transmission Company

1	West Virginia Excise Tax Rate	6.50%	
	Apportionment Factor - Note 1	100.00%	
	Effective State Tax Rate		6.50%
2	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
3	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
4	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
5	_____ Tax Rate		
	Apportionment Factor - Note 1		
	Effective State Tax Rate		0.00%
	Total Effective State Income Tax Rate		<u>6.50%</u>

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

Line No.	(A) Account	(B) Total Company	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
NOTE 1						
1	Revenue Taxes					
2	Gross Receipts Tax	-				-
3	Real Estate and Personal Property Taxes					
4	Real and Personal Property - West Virginia	11,561,000	11,561,000			
5	Real and Personal Property - Virginia	-	-			
6	Real and Personal Property - Tennessee	-	-			
7	Real and Personal Property - Other Jurisdictions	-	-			
8	Payroll Taxes					
9	Federal Insurance Contribution (FICA)	-		-		
10	Federal Unemployment Tax	-		-		
11	State Unemployment Insurance	-		-		
12	<i>Line Deliberately Left Blank</i>					
13	State Severance Taxes	-				-
14	Miscellaneous Taxes					
15	State Business & Occupation Tax	-				-
16	State Public Service Commission Fees	-			-	
17	State Franchise Taxes	-			-	
18	State Lic/Registration Fee	-			-	
19	Misc. State and Local Tax	-			-	
20	Sales & Use	-				-
21	Federal Excise Tax	-				-
22	Michigan Single Business Tax	-				-
23	Total Taxes by Allocable Basis	11,561,000	11,561,000	-	-	-
(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.

Functional Property Tax Allocation					
	Lines 24-58 Column (B) Deliberately Left Blank	Transmission	Lines 24-58 Column (D) Deliberately Left Blank	General	Total
24	Functionalized Net Plant (TCOS, Lns 33 thru 36)	-	1,799,567,000	3,465,000	1,803,032,000
WEST VIRGINIA JURISDICTION					
25	Percentage of Plant in WEST VIRGINIA JURISDICTION	100.00%		100.00%	
26	Net Plant in WEST VIRGINIA JURISDICTION (Ln 24 * Ln 25)	-	1,799,567,000	3,465,000	1,803,032,000
27	Less: Net Value of Exempted Generation Plant				
28	Taxable Property Basis (Ln 26 - Ln 27)	-	1,799,567,000	3,465,000	1,803,032,000
29	Relative Valuation Factor				-
30	Weighted Net Plant (Ln 28 * Ln 29)	-	-	-	-
31	General Plant Allocator (Ln 30 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%
32	Functionalized General Plant (Ln 31 * General Plant)	-	-	-	-
33	Weighted WEST VIRGINIA JURISDICTION Plant (Ln 30 + 32)	-	-	-	-
34	Functional Percentage (Ln 33/Total Ln 33)	0.00%	100.00%	0.00%	
JURISDICTION					
35	Net Plant in JURISDICTION (Ln 24 - Ln 26)	-	-	-	-
36	Less: Net Value Exempted Generation Plant				
37	Taxable Property Basis	-	-	-	-
38	Relative Valuation Factor				-
39	Weighted Net Plant (Ln 37 * Ln 38)	-	-	-	-
40	General Plant Allocator (Ln 39 / (Total - General Plant))	0.00%	100.00%	0.00%	-100.00%
41	Functionalized General Plant (Ln 41 * General Plant)	-	-	-	-
42	Weighted JURISDICTION Plant (Ln 39 + 41)	-	-	-	-
43	Functional Percentage (Ln 42/Total Ln 42)	0.00%	100.00%	0.00%	

(A)		(B)	(C)	(D)		
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference		
1	Revenue Taxes					
2	Gross Receipts Tax	-	-			
(A)	(B)	(C)	(D)	(E)	(F)	(G)
"Real Estate and Personal Property Tax Detail Annual Tax Expenses by Type (Note 1)"	Tax Year	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference	Tax Year Factor (Note 2)	Transmission Function (Note 2)
Real Estate and Personal Property Taxes Total						
3	(Ln 4 + Ln 5 + Ln 6 + Ln 7)	11,561,000				11,561,000
4	Real and Personal Property - West Virginia	11,561,000	11,561,000		100%	11,561,000
						-
						-
						-
5	Real and Personal Property - Virginia	-	-			-
						-
						-
6	Real and Personal Property - Tennessee	-	-			-
						-
7	Real and Personal Property - Other Jurisdictions	-	-			-
						-

(A)		(B)	(C)	(D)	
Line No.	Annual Tax Expenses by Type (Note 1)	Total Company	FERC FORM 1 Tie-Back	FERC FORM 1 Reference	
8	Payroll Taxes				
9	Federal Insurance Contribution (FICA)	-	-		
10	Federal Unemployment Tax	-	-		
11	State Unemployment Insurance	-	-		
12	<i>Line Left Deliberately Blank</i>				
13	State Severance Taxes	-	-		
14	Miscellaneous Taxes				
15	State Business & Occupation Tax	-	-		
16	State Public Service Commission Fees	-	-		
17	State Franchise Taxes	-	-		
18	State Lic/Registration Fee	-	-		
19	Misc. State and Local Tax	-	-		
20	Sales & Use	-	-		
21	Federal Excise Tax	-	-		
22	Michigan Single Business Tax	-	-		
23	Total Taxes by Allocable Basis (Total Company Amount Ties to FFI p.114, Ln 14,(c))	11,561,000	11,561,000		

Note 1: The taxes assessed on each transmission company can differ from year to year and between transmission 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 transmission 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..

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet I RESERVED
West Virginia Transmission Company

Reserved for Future Use

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet J Supporting Calculation of PROJECTED PJM RTEP Project Revenue Requirement Billed to Benefiting Zones
West Virginia Transmission Company

Page 1 of 12

I. Calculate Return and Income Taxes with 0 basis point ROE increase for Projects Qualified for Regional Billing.

A. Determine 'R' with hypothetical 0 basis point increase in ROE for Identified Projects

ROE w/o incentives (TCOS, ln 138)	10.35%
Project ROE Incentive Adder	0
ROE with additional 0 basis point incentive	10.35%
Determine R (cost of long term debt, cost of preferred stock and equity percentage is from the TCOS, lns 136 through 138)	
Long Term Debt	45.19%
Preferred Stock	0.00%
Common Stock	54.81%
Cost	3.54%
Weighted cost	1.599%
	0.000%
	5.673%
R =	7.272%

B. Determine Return using 'R' with hypothetical 0 basis point ROE increase for Identified Projects.

Rate Base (TCOS, ln 58)	1,676,559,875
R (from A. above)	7.272%
Return (Rate Base x R)	121,912,118

C. Determine Income Taxes using Return with hypothetical 0 basis point ROE increase for Identified Projects.

Return (from B. above)	121,912,118
Effective Tax Rate (TCOS, ln 97)	27.60%
Income Tax Calculation (Return x CIT)	33,650,088
ITC Adjustment	-
Excess Deferred Income Tax	747,309
Tax Affect of Permanent Differences	343,871
Income Taxes	34,741,268

SUMMARY OF PROJECTED ANNUAL RTEP REVENUE REQUIREMENTS			
	Rev Require	W Incentives	Incentive Amounts
PROJECTED YEAR	2022	51,629,251	51,629,251 \$ -

II. Calculate Net Plant Carrying Charge Rate (Fixed Charge Rate or FCR) with hypothetical 0 basis point ROE increase.

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

Annual Revenue Requirement (TCOS, ln 1)	244,590,387
Lease Payments (TCOS, ln 80)	-
Return (TCOS, ln 109)	121,912,118
Income Taxes (TCOS, ln 108)	34,741,268
Annual Revenue Requirement, Less Return and Taxes	87,937,000

B. Determine Annual Revenue Requirement with hypothetical 0 basis point increase in ROE.

Annual Revenue Requirement, Less Return and Taxes	87,937,000
Return (from I.B. above)	121,912,118
Income Taxes (from I.C. above)	34,741,268
Annual Revenue Requirement, with 0 Basis Point ROE increase	244,590,387
Depreciation & Amortization (TCOS, ln 83)	48,902,000
Annual Rev. Req. w/0 Basis Point ROE increase, less Depreciation	195,688,387

C. Determine FCR with hypothetical 0 basis point ROE increase.

Net Transmission Plant (Projected TCOS, ln 33)	1,799,567,000
Annual Revenue Requirement, with 0 Basis Point ROE increase	244,590,387
FCR with 0 Basis Point increase in ROE	13.59%
Annual Rev. Req. w / 0 Basis Point ROE increase, less Dep.	195,688,387
FCR with 0 Basis Point ROE increase, less Depreciation	10.87%
FCR less Depreciation (TCOS, ln 10)	10.87%
Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2022 TCOS, ln 19	1,945,697,000
Annual Depreciation and Amortization Expense (TCOS, ln 83)	48,902,000
Composite Depreciation Rate	2.51%
Depreciable Life for Composite Depreciation Rate	39.79
Average Life in Whole Years	40

Note 1: Until West Virginia Transmission Company establishes Transmission plant in service the depreciation expense component of the carrying charge will be calculated as in the Operating Company formula approved in Docket No. ER08-1329. The calculation for West Virginia Transmission Company is shown on Worksheet P.

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: b1661 (Install a 765 kV circuit breaker at Wyoming station)

Current Projected Year ARR	247,92
Current Projected Year ARR w/ Incentive	247,92
Current Projected Year Incentive ARR	-

Details			
Investment	2,191,536	Current Year	2022
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	10.87%
Useful life	40	FCR w/incentives approved for these facilities, less dep.	10.87%
CIAC (Yes or No)	No	Annual Depreciation Expense	54.78%

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.

Investment Year		Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **
2014		2,191,536	4,566	2,186,970	242,629	242,629	\$	\$ 541,349	\$ 541,349
2015		2,186,970	54,788	2,132,182	289,625	289,625	\$	\$ 511,336	\$ 511,336
2016		2,132,182	54,788	2,077,394	283,667	283,667	\$	\$ 498,629	\$ 498,629
2017		2,077,394	54,788	2,022,605	277,709	277,709	\$	\$ 544,400	\$ 544,400
2018		2,022,605	54,788	1,967,817	271,751	271,751	\$	\$ 473,613	\$ 473,613
2019		1,967,817	54,788	1,913,028	265,794	265,794	\$	\$ 252,229	\$ 252,229
2020		1,913,028	54,788	1,858,240	259,836	259,836	\$	\$ 248,393	\$ 248,393
2021		1,858,240	54,788	1,803,452	253,878	253,878	\$	\$ 248,896	\$ 248,896
2022		1,803,452	54,788	1,748,663	247,920	247,920	\$		
2023		1,748,663	54,788	1,693,875	241,963	241,963	\$		
2024		1,693,875	54,788	1,639,086	236,005	236,005	\$		
2025		1,639,086	54,788	1,584,298	230,047	230,047	\$		
2026		1,584,298	54,788	1,529,510	224,089	224,089	\$		
2027		1,529,510	54,788	1,474,721	218,131	218,131	\$		
2028		1,474,721	54,788	1,419,933	212,174	212,174	\$		
2029		1,419,933	54,788	1,365,144	206,216	206,216	\$		
2030		1,365,144	54,788	1,310,356	200,258	200,258	\$		
2031		1,310,356	54,788	1,255,568	194,300	194,300	\$		
2032		1,255,568	54,788	1,200,779	188,342	188,342	\$		
2033		1,200,779	54,788	1,145,991	182,385	182,385	\$		
2034		1,145,991	54,788	1,091,202	176,427	176,427	\$		
2035		1,091,202	54,788	1,036,414	170,469	170,469	\$		
2036		1,036,414	54,788	981,626	164,511	164,511	\$		
2037		981,626	54,788	926,837	158,553	158,553	\$		
2038		926,837	54,788	872,049	152,596	152,596	\$		
2039		872,049	54,788	817,260	146,638	146,638	\$		
2040		817,260	54,788	762,472	140,680	140,680	\$		
2041		762,472	54,788	707,684	134,722	134,722	\$		
2042		707,684	54,788	652,895	128,764	128,764	\$		
2043		652,895	54,788	598,107	122,807	122,807	\$		
2044		598,107	54,788	543,318	116,849	116,849	\$		
2045		543,318	54,788	488,530	110,891	110,891	\$		
2046		488,530	54,788	433,742	104,933	104,933	\$		
2047		433,742	54,788	378,953	98,975	98,975	\$		
2048		378,953	54,788	324,165	93,018	93,018	\$		
2049		324,165	54,788	269,376	87,060	87,060	\$		
2050		269,376	54,788	214,588	81,102	81,102	\$		
2051		214,588	54,788	159,800	75,144	75,144	\$		
2052		159,800	54,788	105,011	69,186	69,186	\$		
2053		105,011	54,788	50,223	63,229	63,229	\$		
2054		50,223	50,223	-	52,953	52,953	\$		
2055		-	-	-	-	-	\$		
2056		-	-	-	-	-	\$		
2057		-	-	-	-	-	\$		
2058		-	-	-	-	-	\$		
2059		-	-	-	-	-	\$		
2060		-	-	-	-	-	\$		
2061		-	-	-	-	-	\$		
2062		-	-	-	-	-	\$		
2063		-	-	-	-	-	\$		
2064		-	-	-	-	-	\$		
2065		-	-	-	-	-	\$		
2066		-	-	-	-	-	\$		
2067		-	-	-	-	-	\$		
2068		-	-	-	-	-	\$		
2069		-	-	-	-	-	\$		
2070		-	-	-	-	-	\$		
2071		-	-	-	-	-	\$		
2072		-	-	-	-	-	\$		
2073		-	-	-	-	-	\$		
Project Totals			2,191,536		7,176,226	7,176,226			

** 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.

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: b1864.1 (Add two additional 345/138 kV transformers at Kammer)

Current Projected Year ARR	9,569,447
Current Projected Year ARR w/ Incentive	9,569,447
Current Projected Year Incentive ARR	-

Details				2022
Investment	85,102,120	Current Year		-
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)		10.87%
Service Month (1-12)	8	FCR w/o incentives, less depreciation		10.87%
Useful life	40	FCR w/incentives approved for these facilities, less dep.		10.87%
CIAC (Yes or No)	No	Annual Depreciation Expense		2,127,553

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.

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	Req't. From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't. From Prior Year Template with Incentives **
2014	85,102,120	709,184	84,392,936	9,924,794	9,924,794	\$ -	\$ 2,795,819	\$ 2,795,819
2015	84,392,936	2,127,553	82,265,383	11,188,926	11,188,926	\$ -	\$ 9,963,550	\$ 9,963,550
2016	82,265,383	2,127,553	80,137,830	10,957,572	10,957,572	\$ -	\$ 9,645,772	\$ 9,645,772
2017	80,137,830	2,127,553	78,010,277	10,726,218	10,726,218	\$ -	\$ 10,531,029	\$ 10,531,029
2018	78,010,277	2,127,553	75,882,724	10,494,864	10,494,864	\$ -	\$ 9,156,379	\$ 9,156,379
2019	75,882,724	2,127,553	73,755,171	10,263,510	10,263,510	\$ -	\$ 9,756,827	\$ 9,756,827
2020	73,755,171	2,127,553	71,627,618	10,032,155	10,032,155	\$ -	\$ 9,597,403	\$ 9,597,403
2021	71,627,618	2,127,553	69,500,065	9,800,801	9,800,801	\$ -	\$ 9,610,029	\$ 9,610,029
2022	69,500,065	2,127,553	67,372,512	9,569,447	9,569,447	\$ -		
2023	67,372,512	2,127,553	65,244,959	9,338,093	9,338,093	\$ -		
2024	65,244,959	2,127,553	63,117,406	9,106,739	9,106,739	\$ -		
2025	63,117,406	2,127,553	60,989,853	8,875,384	8,875,384	\$ -		
2026	60,989,853	2,127,553	58,862,300	8,644,030	8,644,030	\$ -		
2027	58,862,300	2,127,553	56,734,747	8,412,676	8,412,676	\$ -		
2028	56,734,747	2,127,553	54,607,194	8,181,322	8,181,322	\$ -		
2029	54,607,194	2,127,553	52,479,641	7,949,967	7,949,967	\$ -		
2030	52,479,641	2,127,553	50,352,088	7,718,613	7,718,613	\$ -		
2031	50,352,088	2,127,553	48,224,535	7,487,259	7,487,259	\$ -		
2032	48,224,535	2,127,553	46,096,982	7,255,905	7,255,905	\$ -		
2033	46,096,982	2,127,553	43,969,429	7,024,551	7,024,551	\$ -		
2034	43,969,429	2,127,553	41,841,876	6,793,196	6,793,196	\$ -		
2035	41,841,876	2,127,553	39,714,323	6,561,842	6,561,842	\$ -		
2036	39,714,323	2,127,553	37,586,770	6,330,488	6,330,488	\$ -		
2037	37,586,770	2,127,553	35,459,217	6,099,134	6,099,134	\$ -		
2038	35,459,217	2,127,553	33,331,664	5,867,780	5,867,780	\$ -		
2039	33,331,664	2,127,553	31,204,111	5,636,425	5,636,425	\$ -		
2040	31,204,111	2,127,553	29,076,558	5,405,071	5,405,071	\$ -		
2041	29,076,558	2,127,553	26,949,005	5,173,717	5,173,717	\$ -		
2042	26,949,005	2,127,553	24,821,452	4,942,363	4,942,363	\$ -		
2043	24,821,452	2,127,553	22,693,899	4,711,008	4,711,008	\$ -		
2044	22,693,899	2,127,553	20,566,346	4,479,654	4,479,654	\$ -		
2045	20,566,346	2,127,553	18,438,793	4,248,300	4,248,300	\$ -		
2046	18,438,793	2,127,553	16,311,240	4,016,946	4,016,946	\$ -		
2047	16,311,240	2,127,553	14,183,687	3,785,592	3,785,592	\$ -		
2048	14,183,687	2,127,553	12,056,134	3,554,237	3,554,237	\$ -		
2049	12,056,134	2,127,553	9,928,581	3,322,883	3,322,883	\$ -		
2050	9,928,581	2,127,553	7,801,028	3,091,529	3,091,529	\$ -		
2051	7,801,028	2,127,553	5,673,475	2,860,175	2,860,175	\$ -		
2052	5,673,475	2,127,553	3,545,922	2,628,820	2,628,820	\$ -		
2053	3,545,922	2,127,553	1,418,369	2,397,466	2,397,466	\$ -		
2054	1,418,369	1,418,369	-	1,495,487	1,495,487	\$ -		
2055	-	-	-	-	-	\$ -		
2056	-	-	-	-	-	\$ -		
2057	-	-	-	-	-	\$ -		
2058	-	-	-	-	-	\$ -		
2059	-	-	-	-	-	\$ -		
2060	-	-	-	-	-	\$ -		
2061	-	-	-	-	-	\$ -		
2062	-	-	-	-	-	\$ -		
2063	-	-	-	-	-	\$ -		
2064	-	-	-	-	-	\$ -		
2065	-	-	-	-	-	\$ -		
2066	-	-	-	-	-	\$ -		
2067	-	-	-	-	-	\$ -		
2068	-	-	-	-	-	\$ -		
2069	-	-	-	-	-	\$ -		
2070	-	-	-	-	-	\$ -		
2071	-	-	-	-	-	\$ -		
2072	-	-	-	-	-	\$ -		
2073	-	-	-	-	-	\$ -		
Project Totals	85,102,120		276,354,939	276,354,939		-		

** 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.

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b2021 (Add 345/138 kV Transformers at Sporn, Kanawha River, and Muskingum River stations)

Current Projected Year ARR	2,221,483
Current Projected Year ARR w/ Incentive	2,221,483
Current Projected Year Incentive ARR	-

Details						2022
Investment	19,597,955	Current Year				
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)				10.87%
Service Month (1-12)	12	FCR w/o incentives, less depreciation				10.87%
Useful life	40	FCR w/incentives approved for these facilities, less dep.				489.949
CIAC (Yes or No)	No	Annual Depreciation Expense				
Investment	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives *	RTEP Rev. Req't. with Incentives *	Incentive Rev. Requirement **
2014	19,597,955	-	19,597,955	2,131,119	2,131,119	\$ -
2015	19,597,955	489,949	19,108,006	2,594,429	2,594,429	\$ -
2016	19,108,006	489,949	18,618,057	2,541,151	2,541,151	\$ -
2017	18,618,057	489,949	18,128,108	2,487,873	2,487,873	\$ -
2018	18,128,108	489,949	17,638,160	2,434,595	2,434,595	\$ -
2019	17,638,160	489,949	17,148,211	2,381,317	2,381,317	\$ -
2020	17,148,211	489,949	16,658,262	2,328,039	2,328,039	\$ -
2021	16,658,262	489,949	16,168,313	2,274,761	2,274,761	\$ -
2022	16,168,313	489,949	15,678,364	2,221,483	2,221,483	\$ -
2023	15,678,364	489,949	15,188,415	2,168,205	2,168,205	\$ -
2024	15,188,415	489,949	14,698,466	2,114,927	2,114,927	\$ -
2025	14,698,466	489,949	14,208,517	2,061,649	2,061,649	\$ -
2026	14,208,517	489,949	13,718,569	2,008,371	2,008,371	\$ -
2027	13,718,569	489,949	13,228,620	1,955,093	1,955,093	\$ -
2028	13,228,620	489,949	12,738,671	1,901,815	1,901,815	\$ -
2029	12,738,671	489,949	12,248,722	1,848,538	1,848,538	\$ -
2030	12,248,722	489,949	11,758,773	1,795,260	1,795,260	\$ -
2031	11,758,773	489,949	11,268,824	1,741,982	1,741,982	\$ -
2032	11,268,824	489,949	10,778,875	1,688,704	1,688,704	\$ -
2033	10,778,875	489,949	10,288,926	1,635,426	1,635,426	\$ -
2034	10,288,926	489,949	9,798,978	1,582,148	1,582,148	\$ -
2035	9,798,978	489,949	9,309,029	1,528,870	1,528,870	\$ -
2036	9,309,029	489,949	8,819,080	1,475,592	1,475,592	\$ -
2037	8,819,080	489,949	8,329,131	1,422,314	1,422,314	\$ -
2038	8,329,131	489,949	7,839,182	1,369,036	1,369,036	\$ -
2039	7,839,182	489,949	7,349,233	1,315,758	1,315,758	\$ -
2040	7,349,233	489,949	6,859,284	1,262,480	1,262,480	\$ -
2041	6,859,284	489,949	6,369,335	1,209,202	1,209,202	\$ -
2042	6,369,335	489,949	5,879,387	1,155,924	1,155,924	\$ -
2043	5,879,387	489,949	5,389,438	1,102,646	1,102,646	\$ -
2044	5,389,438	489,949	4,899,489	1,049,368	1,049,368	\$ -
2045	4,899,489	489,949	4,409,540	996,090	996,090	\$ -
2046	4,409,540	489,949	3,919,591	942,812	942,812	\$ -
2047	3,919,591	489,949	3,429,642	889,534	889,534	\$ -
2048	3,429,642	489,949	2,939,693	836,256	836,256	\$ -
2049	2,939,693	489,949	2,449,744	782,978	782,978	\$ -
2050	2,449,744	489,949	1,959,795	729,700	729,700	\$ -
2051	1,959,795	489,949	1,469,847	676,422	676,422	\$ -
2052	1,469,847	489,949	979,898	623,144	623,144	\$ -
2053	979,898	489,949	489,949	569,866	569,866	\$ -
2054	489,949	489,949	-	516,588	516,588	\$ -
2055	-	-	-	-	-	\$ -
2056	-	-	-	-	-	\$ -
2057	-	-	-	-	-	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -

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'L From Prior Year Template w/o Incentives		RTEP Projected Rev. Req'L From Prior Year Template with Incentives **			
\$ 2,093,479		\$ 2,093,479			
\$ 2,304,583		\$ 2,304,583			
\$ 2,231,859		\$ 2,231,859			
\$ 2,437,179		\$ 2,437,179			
\$ 2,120,264		\$ 2,120,264			
\$ 2,258,478		\$ 2,258,478			
\$ 2,224,968		\$ 2,224,968			
\$ 2,229,997		\$ 2,229,997			

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description:

RTEP ID: b1948 (Establish a new 765/345 interconnection at Sporn. Install a 765/345 kV transformer at Mountaineer and build ¼ mile of 345 kV to Sporn)

Current Projected Year ARR	6,503,250
Current Projected Year ARR w/ Incentive	6,503,250
Current Projected Year Incentive ARR	

Details			
Investment	56,691,968	Current Year	2022
Service Year (vwy)	2015	ROE increase accepted by FERC (Basis Points)	
Service Month (1-12)	6	FCR w/o incentives, less depreciation	
Useful life	40	FCR w/incentives approved for these facilities, less dep.	
CIAC (Yes or No)		Annual Depreciation Expense	1,417,299

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

INPUT PROJECTED ABB (WITH & WITHOUT INCENTIVES) FROM EACH PRIOR YEAR

TEMPLATE BELOW TO MAINTAIN HISTORY OF PROJECTED ABBS OVER THE

LIFE OF THE PROJECT.

Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #
2015	56,691,968	708,650	55,983,318	6,834,914	6,834,914	\$
2016	55,983,318	1,417,299	54,566,019	7,427,973	7,427,973	\$
2017	54,566,019	1,417,299	53,148,720	7,273,853	7,273,853	\$
2018	53,148,720	1,417,299	51,731,421	7,119,734	7,119,734	\$
2019	50,314,421	1,417,299	50,314,122	6,965,614	6,965,614	\$
2020	50,314,122	1,417,299	48,896,822	6,811,494	6,811,494	\$
2021	48,896,822	1,417,299	47,479,523	6,657,374	6,657,374	\$
2022	47,479,523	1,417,299	46,062,224	6,503,254	6,503,254	\$
2023	46,062,224	1,417,299	44,644,925	6,349,134	6,349,134	\$
2024	44,644,925	1,417,299	43,227,626	6,195,015	6,195,015	\$
2025	43,227,626	1,417,299	41,810,326	6,040,895	6,040,895	\$
2026	41,810,326	1,417,299	40,393,027	5,886,775	5,886,775	\$
2027	40,393,027	1,417,299	38,975,728	5,732,655	5,732,655	\$
2028	38,975,728	1,417,299	37,558,429	5,578,535	5,578,535	\$
2029	37,558,429	1,417,299	36,141,130	5,424,415	5,424,415	\$
2030	36,141,130	1,417,299	34,723,830	5,270,295	5,270,295	\$
2031	34,723,830	1,417,299	33,306,531	5,116,176	5,116,176	\$
2032	33,306,531	1,417,299	31,889,232	4,962,056	4,962,056	\$
2033	31,889,232	1,417,299	30,471,933	4,807,936	4,807,936	\$
2034	30,471,933	1,417,299	29,054,634	4,653,816	4,653,816	\$
2035	29,054,634	1,417,299	27,637,334	4,499,696	4,499,696	\$
2036	27,637,334	1,417,299	26,220,035	4,345,576	4,345,576	\$
2037	26,220,035	1,417,299	24,802,736	4,191,456	4,191,456	\$
2038	24,802,736	1,417,299	23,385,437	4,037,337	4,037,337	\$
2039	23,385,437	1,417,299	21,968,138	3,883,217	3,883,217	\$
2040	21,968,138	1,417,299	20,550,838	3,729,097	3,729,097	\$
2041	20,550,838	1,417,299	19,133,539	3,574,977	3,574,977	\$
2042	19,133,539	1,417,299	17,716,240	3,420,857	3,420,857	\$
2043	17,716,240	1,417,299	16,298,941	3,266,737	3,266,737	\$
2044	16,298,941	1,417,299	14,881,642	3,112,618	3,112,618	\$
2045	14,881,642	1,417,299	13,464,342	2,958,498	2,958,498	\$
2046	13,464,342	1,417,299	12,047,043	2,804,378	2,804,378	\$
2047	12,047,043	1,417,299	10,629,744	2,650,258	2,650,258	\$
2048	10,629,744	1,417,299	9,212,445	2,496,138	2,496,138	\$
2049	9,212,445	1,417,299	7,795,146	2,342,018	2,342,018	\$
2050	7,795,146	1,417,299	6,377,846	2,187,898	2,187,898	\$
2051	6,377,846	1,417,299	4,960,547	2,033,779	2,033,779	\$
2052	4,960,547	1,417,299	3,543,248	1,879,659	1,879,659	\$
2053	3,543,248	1,417,299	2,125,949	1,725,539	1,725,539	\$
2054	2,125,949	708,650	708,650	1,571,419	1,571,419	\$
2055	708,650	-	-	747,180	747,180	\$
2056	-	-	-	-	-	\$
2057	-	-	-	-	-	\$
2058	-	-	-	-	-	\$
2059	-	-	-	-	-	\$
2060	-	-	-	-	-	\$
2061	-	-	-	-	-	\$
2062	-	-	-	-	-	\$

RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **	
\$	6,946,099	\$	6,946,099
\$	6,500,748	\$	6,500,748
\$	7,102,318	\$	7,102,318
\$	6,128,227	\$	6,128,227
\$	6,583,556	\$	6,583,556
\$	6,500,519	\$	6,500,519
\$	6,524,273	\$	6,524,273

2074	-	-	-	-
Project Totals		56,691,968		183,070,244

** This is the total amount that needs to be reported to P.J.M 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.

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No.

(e.g. ER05-925-000)

Project Description: RTEP ID: b1962 (Add four 765 kV breakers at Kammer)

Current Projected Year ARR	2,525,36
Current Projected Year ARR w/ Incentive	2,525,36
Current Projected Year Incentive ARR	

Details			
Investment	21,756,984	Current Year	2022
Service Year (vwy)	2015	ROE increase accepted by FERC (Basis Points)	
Service Month (1-12)	12	FCR w/o incentives, less depreciation	
Useful life	40	FCR w/incentives approved for these facilities, less dep.	
CIAC (Yes or No)		Annual Depreciation Expense	
			543,925

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.

Investment Year		Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #	RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives	RTEP Projected Rev. Req't.From Prior Year Template with Incentives **
2015		21,756,984		21,756,984	2,365,896	2,365,896	\$ -	\$ -	\$ 2,348,715
2016		21,756,984	543,925	21,213,059	2,880,247	2,880,247	\$ -	\$ -	\$ 2,575,052
2017		21,213,059	543,925	20,669,135	2,821,100	2,821,100	\$ -	\$ -	\$ 2,745,014
2018		20,669,135	543,925	20,125,210	2,761,952	2,761,952	\$ -	\$ -	\$ 2,387,052
2019		20,125,210	543,925	19,581,286	2,702,805	2,702,805	\$ -	\$ -	\$ 2,545,928
2020		19,581,286	543,925	19,037,361	2,643,658	2,643,658	\$ -	\$ -	\$ 2,519,395
2021		19,037,361	543,925	18,493,436	2,584,510	2,584,510	\$ -	\$ -	\$ 2,532,044
2022		18,493,436	543,925	17,949,512	2,525,363	2,525,363	\$ -		
2023		17,949,512	543,925	17,405,587	2,466,215	2,466,215	\$ -		
2024		17,405,587	543,925	16,861,663	2,407,068	2,407,068	\$ -		
2025		16,861,663	543,925	16,317,738	2,347,921	2,347,921	\$ -		
2026		16,317,738	543,925	15,773,813	2,288,773	2,288,773	\$ -		
2027		15,773,813	543,925	15,229,889	2,229,626	2,229,626	\$ -		
2028		15,229,889	543,925	14,685,964	2,170,478	2,170,478	\$ -		
2029		14,685,964	543,925	14,142,040	2,111,331	2,111,331	\$ -		
2030		14,142,040	543,925	13,598,115	2,052,184	2,052,184	\$ -		
2031		13,598,115	543,925	13,054,190	1,993,036	1,993,036	\$ -		
2032		13,054,190	543,925	12,510,266	1,933,889	1,933,889	\$ -		
2033		12,510,266	543,925	11,966,341	1,874,741	1,874,741	\$ -		
2034		11,966,341	543,925	11,422,417	1,815,594	1,815,594	\$ -		
2035		11,422,417	543,925	10,878,492	1,756,447	1,756,447	\$ -		
2036		10,878,492	543,925	10,334,567	1,697,299	1,697,299	\$ -		
2037		10,334,567	543,925	9,790,643	1,638,152	1,638,152	\$ -		
2038		9,790,643	543,925	9,246,718	1,579,004	1,579,004	\$ -		
2039		9,246,718	543,925	8,702,794	1,519,857	1,519,857	\$ -		
2040		8,702,794	543,925	8,158,869	1,460,709	1,460,709	\$ -		
2041		8,158,869	543,925	7,614,944	1,401,562	1,401,562	\$ -		
2042		7,614,944	543,925	7,071,020	1,342,415	1,342,415	\$ -		
2043		7,071,020	543,925	6,527,095	1,283,267	1,283,267	\$ -		
2044		6,527,095	543,925	5,983,171	1,224,120	1,224,120	\$ -		
2045		5,983,171	543,925	5,439,246	1,164,972	1,164,972	\$ -		
2046		5,439,246	543,925	4,895,321	1,105,825	1,105,825	\$ -		
2047		4,895,321	543,925	4,351,397	1,046,678	1,046,678	\$ -		
2048		4,351,397	543,925	3,807,472	987,530	987,530	\$ -		
2049		3,807,472	543,925	3,263,548	928,383	928,383	\$ -		
2050		3,263,548	543,925	2,719,623	869,235	869,235	\$ -		
2051		2,719,623	543,925	2,175,698	810,088	810,088	\$ -		
2052		2,175,698	543,925	1,631,774	750,941	750,941	\$ -		
2053		1,631,774	543,925	1,087,849	691,793	691,793	\$ -		
2054		1,087,849	543,925	543,925	632,646	632,646	\$ -		
2055		543,925	543,925	-	573,498	573,498	\$ -		
2056		-	-	-	-	-	\$ -		
2057		-	-	-	-	-	\$ -		
2058		-	-	-	-	-	\$ -		
2059		-	-	-	-	-	\$ -		
2060		-	-	-	-	-	\$ -		
2061		-	-	-	-	-	\$ -		
2062		-	-	-	-	-	\$ -		
2063		-	-	-	-	-	\$ -		
2064		-	-	-	-	-	\$ -		
2065		-	-	-	-	-	\$ -		
2066		-	-	-	-	-	\$ -		
2067		-	-	-	-	-	\$ -		
2068		-	-	-	-	-	\$ -		
2069		-	-	-	-	-	\$ -		
2070		-	-	-	-	-	\$ -		
2071		-	-	-	-	-	\$ -		
2072		-	-	-	-	-	\$ -		
2073		-	-	-	-	-	\$ -		
2074		-	-	-	-	-	\$ -		

** 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.

A. Base Plan Facilities

(e.g. ER05-925-000)

RTEP ID: b2017 (Reconductor or rebuild Sporn - Waterford - Muskingum River 345 kV line)

Details				
Investment	1,465,792	Current Year		2022
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)		
Service Month (1-12)	6	FCR who incentives, less depreciation		10.87%
Useful life	40	FCR w/incentives approved for these facilities, less dep.		10.87%
CIAC (Yes or No)		Annual Depreciation Expense		36,645

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS

RTEP Projected Rev. Req't.From Prior Year Template w/o Incentives		RTEP Projected Rev. Req't.From Prior Year Template with Incentives **	
\$	231,097	\$	231,097
\$	145,269	\$	145,269
\$	174,707	\$	174,707
\$	159,518	\$	159,518
\$	170,220	\$	170,220
\$	168,073	\$	168,073
\$	168,688	\$	168,688

QALY (Yrs of NO)	NO	Annual Depreciation Expense					30,645
Investment Year	Req't.	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement #
2015		1,465,792	18,322	1,447,470	178,719		\$ -
2016		1,447,470	36,645	1,410,825	182,053		\$ -
2017		1,410,825	36,645	1,374,180	188,068		\$ -
2018		1,374,180	36,645	1,337,535	184,083		\$ -
2019		1,337,535	36,645	1,300,890	180,099		\$ -
2020		1,300,890	36,645	1,264,246	176,114		\$ -
2021		1,264,246	36,645	1,227,601	172,129		\$ -
2022		1,227,601	36,645	1,190,956	168,144		\$ -
2023		1,190,956	36,645	1,154,311	164,159		\$ -
2024		1,154,311	36,645	1,117,666	160,174		\$ -
2025		1,117,666	36,645	1,081,022	156,190		\$ -
2026		1,081,022	36,645	1,044,377	152,205		\$ -
2027		1,044,377	36,645	1,007,732	148,220		\$ -
2028		1,007,732	36,645	971,087	144,235		\$ -
2029		971,087	36,645	934,442	140,250		\$ -
2030		934,442	36,645	897,798	136,265		\$ -
2031		897,798	36,645	861,153	132,281		\$ -
2032		861,153	36,645	824,508	128,296		\$ -
2033		824,508	36,645	787,863	124,311		\$ -
2034		787,863	36,645	751,218	120,326		\$ -
2035		751,218	36,645	714,574	116,341		\$ -
2036		714,574	36,645	677,929	112,356		\$ -
2037		677,929	36,645	641,284	108,372		\$ -
2038		641,284	36,645	604,639	104,387		\$ -
2039		604,639	36,645	567,994	100,402		\$ -
2040		567,994	36,645	531,350	96,417		\$ -
2041		531,350	36,645	494,705	92,432		\$ -
2042		494,705	36,645	458,060	88,448		\$ -
2043		458,060	36,645	421,415	84,463		\$ -
2044		421,415	36,645	384,770	80,478		\$ -
2045		384,770	36,645	348,126	76,493		\$ -
2046		348,126	36,645	311,481	72,508		\$ -
2047		311,481	36,645	274,836	68,523		\$ -
2048		274,836	36,645	238,191	64,539		\$ -
2049		238,191	36,645	201,546	60,554		\$ -
2050		201,546	36,645	164,902	56,569		\$ -
2051		164,902	36,645	128,257	52,584		\$ -
2052		128,257	36,645	91,612	48,599		\$ -
2053		91,612	36,645	54,967	44,614		\$ -
2054		54,967	36,645	18,322	40,630		\$ -
2055		18,322	18,322	-	19,319		\$ -
2056		-	-	-	-		\$ -
2057		-	-	-	-		\$ -
2058		-	-	-	-		\$ -
2059		-	-	-	-		\$ -
2060		-	-	-	-		\$ -
2061		-	-	-	-		\$ -
2062		-	-	-	-		\$ -
2063		-	-	-	-		\$ -
2064		-	-	-	-		\$ -
2065		-	-	-	-		\$ -
2066		-	-	-	-		\$ -
2067		-	-	-	-		\$ -
2068		-	-	-	-		\$ -
2069		-	-	-	-		\$ -
2070		-	-	-	-		\$ -
2071		-	-	-	-		\$ -
2072		-	-	-	-		\$ -
2073		-	-	-	-		\$ -
2074		-	-	-	-		\$ -

Project Totals	1,465,792	4,733,350	4,733,350
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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.

A. Base Plan Facilities

(e.g. ER05-925-000)

Current Projected Year ARR	17,473,302
Current Projected Year ARR w/ Incentive	17,473,302
Current Projected Year Incentive ARR	-

[illegible]

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.

A. Base Plan Facilities

(e.g. ER05-925-000)

Current Projected Year ARR	503,904
Current Projected Year ARR w/ Incentive	503,904
Current Projected Year Incentive ARR	-

CUMULATIVE HISTORY OF PROJECTED ANNUAL REVENUE REQUIREMENTS:

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 **		
\$	366,645		\$	366,645	
\$	552,054		\$	552,054	
\$	493,365		\$	493,365	
\$	480,393		\$	480,393	
\$	508,709		\$	508,709	
\$	503,037		\$	503,037	
\$	505,335		\$	505,335	

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.

A. Base Plan Facilities

(e.g. ER05-925-000)

Current Projected Year ARR	8,547,27
Current Projected Year ARR w/ Incentive	8,547,27
Current Projected Year Incentive ARR	

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.

LIFE OF THE PROJECT				
RTEP Projected Rev. Req'L From Prior Year Template w/o Incentives			RTEP Projected Rev. Req'L From Prior Year Template with Incentives **	
\$	-		\$	-
\$	-		\$	-
\$	1,188		\$	1,188
\$	281,554		\$	281,554
\$	262,335		\$	262,335
\$	252,907		\$	252,907
\$	248,870		\$	248,870
\$	8,589,502		\$	8,589,502

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.

A. Base Plan Facilities

(e.g. ER05-925-000)

Current Projected Year ARR	1,471,306
Current Projected Year ARR w/ Incentive	1,471,306
Current Projected Year Incentive ARR	-

[illegible]

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.

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)	Current Projected Year ARR	2,397,855
Project Description:	RTEP ID: b2423 (Install a 300 MVAR shunt reactor at AEP's Wyoming 765 kV station)	Current Projected Year ARR w/ Incentive	2,397,855
		Current Projected Year Incentive ARR	-

Details					2022				
Investment	19,770,917	Current Year							
Service Year (yyy)	2017	ROE increase accepted by FERC (Basis Points)							
Service Month (1-12)	11	PCR w/o incentives, less depreciation						10.87%	
Useful life	40	PCR w/incentives approved for these facilities, less dep.						10.87%	
CIAC (Yes or No)	No	Annual Depreciation Expense						494,273	

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	RTEP Rev. Req't. w/o Incentives	RTEP Rev. Req't. with Incentives **	Incentive Rev. Requirement ##
2017	19,770,917	41,189	19,729,727	2,188,878	2,188,878	\$ -
2018	19,729,727	494,273	19,235,454	2,612,847	2,612,847	\$ -
2019	19,235,454	494,273	18,741,181	2,559,099	2,559,099	\$ -
2020	18,741,181	494,273	18,246,908	2,505,351	2,505,351	\$ -
2021	18,246,908	494,273	17,752,636	2,451,603	2,451,603	\$ -
2022	17,752,636	494,273	17,258,363	2,397,855	2,397,855	\$ -
2023	17,258,363	494,273	16,764,090	2,344,106	2,344,106	\$ -
2024	16,764,090	494,273	16,269,817	2,290,358	2,290,358	\$ -
2025	16,269,817	494,273	15,775,544	2,236,610	2,236,610	\$ -
2026	15,775,544	494,273	15,281,271	2,182,862	2,182,862	\$ -
2027	15,281,271	494,273	14,786,998	2,129,114	2,129,114	\$ -
2028	14,786,998	494,273	14,292,725	2,075,366	2,075,366	\$ -
2029	14,292,725	494,273	13,798,452	2,021,617	2,021,617	\$ -
2030	13,798,452	494,273	13,304,179	1,967,869	1,967,869	\$ -
2031	13,304,179	494,273	12,809,906	1,914,121	1,914,121	\$ -
2032	12,809,906	494,273	12,315,633	1,860,373	1,860,373	\$ -
2033	12,315,633	494,273	11,821,361	1,806,625	1,806,625	\$ -
2034	11,821,361	494,273	11,327,088	1,752,876	1,752,876	\$ -
2035	11,327,088	494,273	10,832,815	1,699,128	1,699,128	\$ -
2036	10,832,815	494,273	10,338,542	1,645,380	1,645,380	\$ -
2037	10,338,542	494,273	9,844,269	1,591,632	1,591,632	\$ -
2038	9,844,269	494,273	9,349,996	1,537,884	1,537,884	\$ -
2039	9,349,996	494,273	8,855,723	1,484,135	1,484,135	\$ -
2040	8,855,723	494,273	8,361,450	1,430,387	1,430,387	\$ -
2041	8,361,450	494,273	7,867,177	1,376,639	1,376,639	\$ -
2042	7,867,177	494,273	7,372,904	1,322,891	1,322,891	\$ -
2043	7,372,904	494,273	6,878,631	1,269,143	1,269,143	\$ -
2044	6,878,631	494,273	6,384,358	1,215,394	1,215,394	\$ -
2045	6,384,358	494,273	5,890,086	1,161,646	1,161,646	\$ -
2046	5,890,086	494,273	5,395,813	1,107,898	1,107,898	\$ -
2047	5,395,813	494,273	4,901,540	1,054,150	1,054,150	\$ -
2048	4,901,540	494,273	4,407,267	1,000,402	1,000,402	\$ -
2049	4,407,267	494,273	3,912,994	946,654	946,654	\$ -
2050	3,912,994	494,273	3,418,721	892,905	892,905	\$ -
2051	3,418,721	494,273	2,924,448	839,157	839,157	\$ -
2052	2,924,448	494,273	2,430,175	785,409	785,409	\$ -
2053	2,430,175	494,273	1,935,902	731,661	731,661	\$ -
2054	1,935,902	494,273	1,441,629	677,913	677,913	\$ -
2055	1,441,629	494,273	947,356	624,164	624,164	\$ -
2056	947,356	494,273	453,084	570,416	570,416	\$ -
2057	453,084	453,084	-	477,718	477,718	\$ -
2058	-	-	-	-	-	\$ -
2059	-	-	-	-	-	\$ -
2060	-	-	-	-	-	\$ -
2061	-	-	-	-	-	\$ -
2062	-	-	-	-	-	\$ -
2063	-	-	-	-	-	\$ -
2064	-	-	-	-	-	\$ -
2065	-	-	-	-	-	\$ -
2066	-	-	-	-	-	\$ -
2067	-	-	-	-	-	\$ -
2068	-	-	-	-	-	\$ -
2069	-	-	-	-	-	\$ -
2070	-	-	-	-	-	\$ -
2071	-	-	-	-	-	\$ -
2072	-	-	-	-	-	\$ -
2073	-	-	-	-	-	\$ -
2074	-	-	-	-	-	\$ -
2075	-	-	-	-	-	\$ -
2076	-	-	-	-	-	\$ -

Project Totals 19,770,917 64,740,236 64,740,236 -

** 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 revenue requirement is applicable for the life of the 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 **		
\$ 1,226,646	\$	\$ 1,226,646		
\$ 2,159,068	\$	\$ 2,159,068		
\$ 2,374,315	\$	\$ 2,374,315		
\$ 2,368,754	\$	\$ 2,368,754		
\$ 2,399,101	\$	\$ 2,399,101		

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet L RESERVED
West Virginia Transmission Company

RESERVED FOR FUTURE USE

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet M Supporting Calculation of Capital Structure and Weighted Average Cost of Capital
West Virginia Transmission 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	970,635,000	-	-	-	970,635,000
2	January	979,280,000	-	-	-	979,280,000
3	February	987,117,000	-	-	-	987,117,000
4	March	996,059,000	-	-	-	996,059,000
5	April	1,004,765,000	-	-	-	1,004,765,000
6	May	993,945,000	-	-	-	993,945,000
7	June	992,887,000	-	-	-	992,887,000
8	July	999,429,000	-	-	-	999,429,000
9	August	993,828,000	-	-	-	993,828,000
10	September	1,002,440,000	-	-	-	1,002,440,000
11	October	1,011,529,000	-	-	-	1,011,529,000
12	November	1,019,928,000	-	-	-	1,019,928,000
13	December of Rate Year	1,028,238,000	-	-	-	1,028,238,000
14	Average of the 13 Monthly Balances	998,468,000	-	-	-	998,468,000

Line No	Month (a)	Average Balance of Long Term Debt					Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(f)
		Bonds (b)	Less: 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	-	-	600,600,000	200,000,000	-	800,600,000
16	January	-	-	600,600,000	200,000,000	-	800,600,000
17	February	-	-	600,600,000	200,000,000	-	800,600,000
18	March	-	-	600,600,000	225,000,000	-	825,600,000
19	April	-	-	600,600,000	225,000,000	-	825,600,000
20	May	-	-	600,600,000	225,000,000	-	825,600,000
21	June	-	-	600,600,000	225,000,000	-	825,600,000
22	July	-	-	600,600,000	225,000,000	-	825,600,000
23	August	-	-	600,600,000	225,000,000	-	825,600,000
24	September	-	-	600,600,000	225,000,000	-	825,600,000
25	October	-	-	600,600,000	240,000,000	-	840,600,000
26	November	-	-	600,600,000	240,000,000	-	840,600,000
27	December of Rate Year	-	-	600,600,000	240,000,000	-	840,600,000
28	Average of the 13 Monthly Balances	-	-	600,600,000	222,692,308	-	823,292,000

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)

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet M Supporting Calculation of Capital Structure and Weighted Average Cost of Capital
West Virginia Transmission Company

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

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
29	Annual Interest Expense for 2022						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			29,129,000			
31	Less: Total Hedge Gain/Expense Accumulated from p 256-257, col. (i) of FERC Form 1 included in Ln 30 and shown in 43 below.			-			
32	Amort of Debt Discount & Expense - Acct 428 (117.63.c)						
33	Amort of Loss on Reacquired Debt - Acct 428.1 (117.64.c)						
34	Less: Amort of Premium on Debt - Acct 429 (117.65.c)						
35	Less: Amort of Gain on Reacquired Debt - Acct 429.1 (117.66.c)						
36	Total Interest Expense (Ln 30 - 31 + 32 + 33 - 34 - 35)			29,129,000			
37	Average Cost of Debt for 2022 (Ln 36/ Ln 28 (g))			3.54%			

CALCULATION OF HEDGE GAINS/LOSSES TO BE EXCLUDED FROM TCOS

38 West Virginia Transmission Company may not include costs (or gains) related to interest hedging activities.

	Amortization Period				
	HEDGE AMOUNTS BY ISSUANCE (FROM p. 256-257 (i) of the FERC Form 1)	(Amortization of (Gain)/Loss for 2022	Remaining Unamortized Balance	Beginning	Ending
39					
40					
41					
42					
43	Net (Gain)/Loss Hedge Amortization To Be Removed	-	-	-	-

Development of Cost of Preferred Stock

44	Balance of Preferred Stock (Line 14 (c))	-
45	Dividends on Preferred Stock (Acct 437, FF1 118.29))	
46	Average Cost of Preferred Stock (Ln 45 / Ln 44)	#DIV/0!

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet N - Gains (Losses) on Sales of Plant Held For Future Use
West Virginia Transmission 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.

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

AEPTCo subsidiaries in PJM
 Cost of Service Formula Rate Using Actual/Projected FF1 Balances
 Calculation of Post-employment Benefits Other than Pensions Expenses Allocable to Transmission Service
 Worksheet O - PBOP Support
 West Virginia Transmission Company

PBOP	(A)	(B)
1	<u>Calculation of PBOP Expenses</u>	
2	<u>AEP System PBOP Rate</u>	
3	Total AEP System PBOP expenses	-\$109,892,000
4	Base Year relating to retired personnel	\$0
5	Amount allocated on Labor	-\$109,892,000
6	Total AEP System Direct Labor Expense	\$1,489,638,000
7	AEP System PBOP expense per dollar of direct labor (PBOP Rate)	-\$0.074
8	Currently Approved PBOP Rate	-\$0.043
9	Base PBOP TransCo labor expensed in current year	\$5,300,000
10	Allowable TransCo PBOP Expense for current year (Ln 8 * Ln 9)	-\$228,000
11	Direct PBOP Expense per Actuarial Report	\$0
12	Additional PBOP Ledger Entry (From Company Records)	\$0
13	Medicare Credit	\$0
14	PBOP Expenses From AEP Affiliates (From Company Records)	-\$703,000
15	Actual PBOP Expense (Sum Lines 11-14)	-\$703,000
16	PBOP Adjustment Line 10 less Line 15	\$475,000

Note: PBOP Expense will be calculated in accordance with the settlement in Docket ER10-355.

As part of the annual update process, AEP will provide to transmission customers and include in its informational filing an independently prepared actuarial report that includes a ten (10) year forecast of PBOP expenses. During the annual update process conducted for rate year 2018 and every four years thereafter, Worksheet O will be used to determine whether the PBOP allowance rate (\$PBOP per \$Direct O&M Labor) should be adjusted going forward for the next four years. If the annual actuarial report issued during the year of any PBOP rate review projects PBOP costs during the next four years that, when allocated to the AEP Transmission Companies based on their projected direct labor expenses over that same projected four-year period, absent a change in the PBOP Rate, will likely cause the AEP East Transmission Companies to over or under collect their cumulative PBOP expenses by more than 20% of the projected next four year's total PBOP expense, taking into account the net over or under collection of such expenses during the previous four years, the PBOP rate shall be adjusted. In order to determine whether continued use of the then approved PBOP rate is likely to result in the AEP Companies' incurrence of a cumulative allowance of PBOP costs under the formula rate will result in a cumulative over or under-recovery of actual PBOP expenses exceeding 20% over the subsequent four year period, Worksheet O will be used to determine (a) the level of cumulative over or under collections of PBOP expense during the time since the PBOP allowance rate was last set, including carrying costs based on the weighted average cost of capital each year from the formula rate actual transmission cost-of-service (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 transmission cost of service average cost of capital for the immediately prior calendar year and (c) the cumulative net present value of continued collections over the next four years based on the projected AEP Transmission Companies direct labor expenses and the then effective PBOP allowance rate assuming a discount rate equal to the prior year weighted average cost of capital. If the absolute value of (a)+(b)-(c) exceeds 20% of (b), then the PBOP allowance rate used in the formula rate calculation shall be changed to the value that will cause the projected result of (a)+(b)-(c) to equal zero. If the projected over or under collection during the next four years, (a)+(b)-(c), is less than 20% of (b), then the PBOP Rate 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 Rate stated in the formula rate shown on Worksheet O. No other changes to the formula rate may be included in that filing.

AEPTCo subsidiaries in PJM
Worksheet - P
DEPRECIATION RATES
FOR TRANSMISSION PLANT PROPERTY ACCOUNTS
EFFECTIVE AS OF JANUARY 1, 2020

West Virginia Transmission Company

	PLANT ACCT.	RATES Note 1
TRANSMISSION PLANT		
Electric Storage Equipment (4)	351.0	0.00%
Structures & Improvements	352.0	1.99%
Station Equipment	353.0	2.70%
Towers & Fixtures	354.0	1.64%
Poles & Fixtures	355.0	3.46%
OH Conductor & Devices	356.0	1.65%
Underground Conduit	357.0	2.49%
Underground Conductor	358.0	4.72%

GENERAL PLANT		
Structures & Improvements	390.0	1.89%
Office Furniture & Equipment	391.0	3.21%
Transportation Equipment	393.0	3.46%
Stores Equipment	394.0	1.78%
Tools Shop & Garage Equipment	395.0	2.59%
Laboratory Equipment	396.0	3.87%
Communication Equipment	394.0	5.05%
Miscellaneous Equipment	398.0	2.67%

Note: Per the Settlement in Docket No. ER10-355, Appendix A.1.2, AEP WEST VIRGINIA TRANSMISSION COMPANY shall use the depreciation rates shown above by FERC Account until such time as the FERC approves new depreciation rates pursuant to a Section 205 or 206 filing to change rates.

Composite Depreciation Rate	APCo	WPCo	TOTAL
T-Plant (FF1 206.58.g)	1,811,822,367	29,740,179	1,841,562,546
T-Plant (FF1 206.58.b)	1,752,450,105	25,887,202	1,778,337,307
Average (Ln 1+ Ln 2)/2	1,782,136,236	27,813,691	1,809,949,927
Depreciation (FF1 336.7.f)	29,597,240	752,928	30,350,168
Composite Depreciation (Ln 3 / Ln 4)			1.68%

Note: AEP WEST VIRGINIA TRANSMISSION COMPANY shall initially use the composite depreciation rate for APCo and WPCo shown above to estimate depreciation expense for transmission projects in Worksheets J and K until a composite depreciation rate based on transmission plant in service and depreciation expenses recorded by AEP WEST VIRGINIA TRANSMISSION COMPANY for its own transmission facilities can be calculated in AEP WEST VIRGINIA TRANSMISSION COMPANY's the first Annual Update including a True-Up TCOS.

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AEPTCo Subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet R - True-up With Interest

Reconciliation Revenue Requirement For Year 2020 Available May 25, 2021		2020 Forecasted Revenue Requirement For Year 2020		True-up Adjustment - Over (Under) Recovery
\$102,705,366	-	\$121,451,870	=	\$18,746,504

Interest Rate on Amount of Refunds or Surcharges (Note 1)		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
			0.3145%				
An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorata over 2021							
<u>Calculation of Interest</u>					Monthly		
January	Year 2020	1,562,209	0.3145%	12	(58,958)		(1,621,166)
February	Year 2020	1,562,209	0.3145%	11	(54,045)		(1,616,253)
March	Year 2020	1,562,209	0.3145%	10	(49,131)		(1,611,340)
April	Year 2020	1,562,209	0.3145%	9	(44,218)		(1,606,427)
May	Year 2020	1,562,209	0.3145%	8	(39,305)		(1,601,514)
June	Year 2020	1,562,209	0.3145%	7	(34,392)		(1,596,601)
July	Year 2020	1,562,209	0.3145%	6	(29,479)		(1,591,688)
August	Year 2020	1,562,209	0.3145%	5	(24,566)		(1,586,774)
September	Year 2020	1,562,209	0.3145%	4	(19,653)		(1,581,861)
October	Year 2020	1,562,209	0.3145%	3	(14,739)		(1,576,948)
November	Year 2020	1,562,209	0.3145%	2	(9,826)		(1,572,035)
December	Year 2020	1,562,209	0.3145%	1	(4,913)		(1,567,122)
					(383,225)		(19,129,730)
					Annual		
January through December	Year 2020	(19,129,730)	0.3145%	12	(721,956)		(19,851,686)
<u>Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months</u>					Monthly		
January	Year 2022	19,851,686	0.3145%		(62,434)	1,688,320	(18,225,799)
February	Year 2022	18,225,799	0.3145%		(57,320)	1,688,320	(16,594,800)
March	Year 2022	16,594,800	0.3145%		(52,191)	1,688,320	(14,958,670)
April	Year 2022	14,958,670	0.3145%		(47,045)	1,688,320	(13,317,395)
May	Year 2022	13,317,395	0.3145%		(41,883)	1,688,320	(11,670,958)
June	Year 2022	11,670,958	0.3145%		(36,705)	1,688,320	(10,019,344)
July	Year 2022	10,019,344	0.3145%		(31,511)	1,688,320	(8,362,534)
August	Year 2022	8,362,534	0.3145%		(26,300)	1,688,320	(6,700,515)
September	Year 2022	6,700,515	0.3145%		(21,073)	1,688,320	(5,033,268)
October	Year 2022	5,033,268	0.3145%		(15,830)	1,688,320	(3,360,777)
November	Year 2022	3,360,777	0.3145%		(10,570)	1,688,320	(1,683,027)
December	Year 2022	1,683,027	0.3145%		(5,293)	1,688,320	(0)
					(408,154)		
True-Up Adjustment with Interest						(20,259,840)	
Less Over (Under) Recovery						18,746,504	
Total Interest						(1,513,336)	

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.

AEPTCo Subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet R - True-up With Interest

Reconciliation Revenue Requirement For Year 2020 Available May 25, 2021	-	2020 Forecasted Revenue Requirement For Year 2020	=	True-up Adjustment - Over (Under) Recovery
\$52,697,234		\$43,471,645		(\$9,225,589)

Interest Rate on Amount of Refunds or Surcharges (Note 1)	Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.3145%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorata over 2021						
Calculation of Interest				Monthly		
January Year 2020	(768,799)	0.3145%	12	29,014		797,814
February Year 2020	(768,799)	0.3145%	11	26,597		795,396
March Year 2020	(768,799)	0.3145%	10	24,179		792,978
April Year 2020	(768,799)	0.3145%	9	21,761		790,560
May Year 2020	(768,799)	0.3145%	8	19,343		788,142
June Year 2020	(768,799)	0.3145%	7	16,925		785,724
July Year 2020	(768,799)	0.3145%	6	14,507		783,306
August Year 2020	(768,799)	0.3145%	5	12,089		780,888
September Year 2020	(768,799)	0.3145%	4	9,671		778,471
October Year 2020	(768,799)	0.3145%	3	7,254		776,053
November Year 2020	(768,799)	0.3145%	2	4,836		773,635
December Year 2020	(768,799)	0.3145%	1	2,418		771,217
				188,594		9,414,183
January through Decen Year 2020				Annual		
	9,414,183	0.3145%	12	355,291		9,769,475
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months				Monthly		
January Year 2022	(9,769,475)	0.3145%		30,725	(830,861)	8,969,338
February Year 2022	(8,969,338)	0.3145%		28,209	(830,861)	8,166,685
March Year 2022	(8,166,685)	0.3145%		25,684	(830,861)	7,361,508
April Year 2022	(7,361,508)	0.3145%		23,152	(830,861)	6,553,799
May Year 2022	(6,553,799)	0.3145%		20,612	(830,861)	5,743,549
June Year 2022	(5,743,549)	0.3145%		18,063	(830,861)	4,930,751
July Year 2022	(4,930,751)	0.3145%		15,507	(830,861)	4,115,397
August Year 2022	(4,115,397)	0.3145%		12,943	(830,861)	3,297,478
September Year 2022	(3,297,478)	0.3145%		10,371	(830,861)	2,476,988
October Year 2022	(2,476,988)	0.3145%		7,790	(830,861)	1,653,916
November Year 2022	(1,653,916)	0.3145%		5,202	(830,861)	828,257
December Year 2022	(828,257)	0.3145%		2,605	(830,861)	0
				200,862		
True-Up Adjustment with Interest					9,970,337	
Less Over (Under) Recovery					(9,225,589)	
Total Interest					744,748	

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.

AEPTCo Subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet R - True-up With Interest

Reconciliation Revenue Requirement For Year 2020 Available May 25, 2021	-	2020 Forecasted Revenue Requirement For Year 2020	=	True-up Adjustment - Over (Under) Recovery
\$1,226,456		\$755,000		(\$471,456)

Interest Rate on Amount of Refunds or Surcharges (Note 1)		Over (Under) Recovery Plus Interest	Average Monthly Interest Rate 0.3145%	Months	Calculated Interest	Amortization	Surcharge (Refund) Owed
An over or under collection will be recovered prorata over 2019, held for 2020 and returned prorata over 2021							
Calculation of Interest					Monthly		
January	Year 2020	(39,288)	0.3145%	12	1,483		40,771
February	Year 2020	(39,288)	0.3145%	11	1,359		40,647
March	Year 2020	(39,288)	0.3145%	10	1,236		40,524
April	Year 2020	(39,288)	0.3145%	9	1,112		40,400
May	Year 2020	(39,288)	0.3145%	8	988		40,276
June	Year 2020	(39,288)	0.3145%	7	865		40,153
July	Year 2020	(39,288)	0.3145%	6	741		40,029
August	Year 2020	(39,288)	0.3145%	5	618		39,906
September	Year 2020	(39,288)	0.3145%	4	494		39,782
October	Year 2020	(39,288)	0.3145%	3	371		39,659
November	Year 2020	(39,288)	0.3145%	2	247		39,535
December	Year 2020	(39,288)	0.3145%	1	124		39,412
					9,638		481,094
January through Decen Year 2020		481,094	0.3145%	12	18,156		499,250
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					Monthly		
January	Year 2022	(499,250)	0.3145%		1,570	(42,460)	458,361
February	Year 2022	(458,361)	0.3145%		1,442	(42,460)	417,343
March	Year 2022	(417,343)	0.3145%		1,313	(42,460)	376,196
April	Year 2022	(376,196)	0.3145%		1,183	(42,460)	334,919
May	Year 2022	(334,919)	0.3145%		1,053	(42,460)	293,513
June	Year 2022	(293,513)	0.3145%		923	(42,460)	251,977
July	Year 2022	(251,977)	0.3145%		792	(42,460)	210,309
August	Year 2022	(210,309)	0.3145%		661	(42,460)	168,511
September	Year 2022	(168,511)	0.3145%		530	(42,460)	126,582
October	Year 2022	(126,582)	0.3145%		398	(42,460)	84,520
November	Year 2022	(84,520)	0.3145%		266	(42,460)	42,326
December	Year 2022	(42,326)	0.3145%		133	(42,460)	0
					10,265		
True-Up Adjustment with Interest						509,515	
Less Over (Under) Recovery						(471,456)	
Total Interest						38,059	

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.