For Twelve Months Ended 2020

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

West Virginia Transmission Company

Line No.			Total	Allocator		Transmission Amount
1	REVENUE REQUIREMENT (w/o incentives)	(ln 113)				$155,468,147
2	REVENUE CREDITS	(Worksheet E, ln 8) (Note A)	65,547	DA	1.00000	$ 65,547
3	Facility Credits under PJM OATT Section 30.9	Worksheet E, ln 9) (Note X)				0
4	REVENUE REQUIREMENT For All Company Facilities	(ln 1 less ln 2 plus ln 3)				$ 155,402,600

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)		52,697,234	DA	1.00000	$ 52,697,234
6	NET PLANT CARRYING CHARGE w/o intra-AEP charges or credits or ROE incentives (Note B)					
7	Annual Rate	((ln 1- ln 80)/((ln 33) x 100))				13.12%
8	Monthly Rate	(ln 7 / 12)				1.09%
9	NET PLANT CARRYING CHARGE ON LINE 7 , w/o depreciation or ROE incentives (Note B)					
10	Annual Rate	((ln 1- ln 80 - ln 83)/((ln 33) x 100))				10.55%
11	NET PLANT CARRYING CHARGE ON LINE 10, w/o Return, income taxes or ROE incentives (Note B)					
12	Annual Rate	((ln 1 - ln 80 - ln 83 - ln 108 - ln 109) /((ln 33) x 100))				2.54%
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				1,226,460
16	Less: Load Dispatch - Scheduling, System Control and Dispatch Services (321.88.b)					4
17	Less: Load Dispatch - Reliability, Planning & Standards Development Services (321.92.b)					-
18	Total 561 Internally Developed Costs	(Line 15 - Line 16 - Line 17)				1,226,456

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Line No.	(1) RATE BASE CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total NOTE C	(4) Allocator		(5) Total Transmission
	GROSS PLANT IN SERVICE					
19	Transmission	(Worksheet A ln 14.(d) & Ln 117)	1,253,720,815	DA	1.00000	1,253,720,815
20	Less: Transmission ARO (Enter Negative)	(Worksheet A ln 14.(e))	-	TP	1.00000	-
21	General Plant	(Worksheet A ln 14.(h))	55,848	W/S	1.00000	55,848
22	Less: General Plant ARO (Enter Negative)	(Worksheet A ln 14.(i))	-	W/S	1.00000	-
23	Intangible Plant	(Worksheet A ln 14.(j))	15,343,034	W/S	1.00000	15,343,034
24	TOTAL GROSS PLANT	(Sum of Lines: 19 to 23)	1,269,119,697	**GP=**	**1.000000**	1,269,119,697
				GTD=	**1.00000**	
25	ACCUMULATED DEPRECIATION AND AMORTIZATION					
26	Transmission	(Worksheet A ln 28.(d) & Ln 43.(b))	68,994,878	**TP1=**	1.00000	68,994,878
27	Less: Transmission ARO (Enter Negative)	(Worksheet A ln 28.(e))	-	**TP1=**	1.00000	-
28	General Plant	(Worksheet A ln 28.(h))	3,653	W/S	1.00000	3,653
29	Less: General Plant ARO (Enter Negative)	(Worksheet A ln 28.(i))	-	W/S	1.00000	-
30	Intangible Plant	(Worksheet A ln 28.(j))	5,264,144	W/S	1.00000	5,264,144.10
31	TOTAL ACCUMULATED DEPRECIATION	(Sum of Lines: 26 to 30)	74,262,675			74,262,675
32	NET PLANT IN SERVICE					
33	Transmission	(ln 19 + ln 20 - ln 26 - ln 27)	1,184,725,937			1,184,725,937
34	General Plant	(ln 21 + ln 22 - ln 28 - ln 29)	52,195			52,195
35	Intangible Plant	(ln 23 - ln 30)	10,078,889			10,078,889
36	TOTAL NET PLANT IN SERVICE	(Sum of Lines: 33 to 35)	1,194,857,022	**NP=**	**1.000000**	1,194,857,022
37	DEFERRED TAX ADJUSTMENTS TO RATE BASE	(Note D)				
38	Account No. 281.1 (enter negative)	(Worksheet B, ln 2 & ln 5.E)	-	NA		-
39	Account No. 282.1 (enter negative)	(Worksheet B, ln 7 & ln 10.E)	(171,567,040)	DA		(171,567,040)
40	Account No. 283.1 (enter negative)	(Worksheet B, ln 12 & ln 15.E)	(38,595,665)	DA		(38,595,665)
41	Account No. 190.1	(Worksheet B, ln 17 & ln 20.E)	8,701,814	DA		8,701,814
42	Account No. 255 (enter negative)	(Worksheet B, ln 24 & ln 25.E)	-	DA		-
43	TOTAL ADJUSTMENTS	(sum lns 38 to 42)	(201,460,891)			(201,460,891)
44	PLANT HELD FOR FUTURE USE	(Worksheet A ln 44.(e)) ln 45.(e))	-	DA		-
45	REGULATORY ASSETS	(Worksheet A ln 51.(e))	-	DA		-
46	UNFUNDED RESERVES (ENTER NEGATIVE) (NOTE Y	(Worksheet A ln 54.(e))	-	W/S	1.00000	-
47	WORKING CAPITAL	(Note E)				
48	Cash Working Capital	(1/8 * ln 66)	1,443,888			1,443,888
49	Transmission Materials & Supplies	(Worksheet C, ln 2.(F))	77	TP	1.00000	77
50	A&G Materials & Supplies	(Worksheet C, ln 3.(F))	-	W/S	1.00000	-
51	Stores Expense	(Worksheet C, ln 4.(F))	-	GP	1.00000	-
52	Prepayments (Account 165) - Labor Allocated	(Worksheet C, ln 8.(G))	-	W/S	1.00000	-
53	Prepayments (Account 165) - Gross Plant	(Worksheet C, ln 8.(F))	194,477	GP	1.00000	194,477
54	Prepayments (Account 165) - Transmission Only	(Worksheet C, ln 8.(E))	-	DA	1.00000	-
55	Prepayments (Account 165) - Unallocable	(Worksheet C, ln 8.(D))	-	NA	0.00000	-
56	TOTAL WORKING CAPITAL	(sum lns 48 to 55)	1,638,442			1,638,442
57	IPP CONTRIBUTIONS FOR CONSTRUCTION	(Note F) (Worksheet D, ln 8.B)	-	DA	1.00000	-
58	RATE BASE (sum lns 36, 43, 44, 45, 46, 56, 57)		995,034,573			995,034,573

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West Virginia Transmission Company

Line No.	(1) EXPENSE, TAXES, RETURN & REVENUE REQUIREMENTS CALCULATION	(2) Data Sources (See "General Notes")	(3) TO Total	(4) Allocator		(5) Total Transmission
	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	12,777,562			
62	TOTAL O&M EXPENSES	(sum lns 59 to 61)	12,777,562			
63	Less: Total Account 561	(Note G) (Worksheet F, ln 14.C)	1,226,460			
64	Less: Account 565	(Note H) 321.96.b	-			
65	Less: Regulatory Deferrals & Amortizations	(Note I) (Worksheet F, ln 4.C)	-			
66	Total O&M Allocable to Transmission	(lns 61 - 63 - 64 - 65)	11,551,102	TP	1.00000	11,551,102
67	Administrative and General	323.197.b (Notes J & M)	5,738,117			
68	Less: Acct. 924, Property Insurance	323.185.b	318,018			
69	Acct. 928, Reg. Com. Exp.	323.189.b	39,842			
70	Acct. 930.1, Gen. Advert. Exp.	323.191.b	177			
71	Acct. 930.2, Misc. Gen. Exp.	323.192.b	88,520			
72	Balance of A & G	(ln 67 - sum ln 68 to ln 71)	5,291,560	W/S	1.00000	5,291,560
73	Plus: Acct. 924, Property Insurance	(ln 68)	318,018	GP(h)	1.00000	318,018
74	Acct. 928 - Transmission Specific	Worksheet F ln 21.(E) (Note L)	40,672	TP	1.00000	40,672
75	Acct 930.1 - Only safety related ads -Direct	Worksheet F ln 38.(E) (Note L)	-	TP	1.00000	-
76	Acct 930.2 - Misc Gen. Exp. - Trans	Worksheet F ln 43.(E) (Note L)	43	DA	1.00000	43
77	PBOP Adjustment	Worksheet O Ln 16.(B), (Note K & M)	475,025	W/S	1.00000	475,025
78	A & G Subtotal	(sum lns 72 to 77)	6,125,318			6,125,318
79	O & M EXPENSE SUBTOTAL	(ln 66 + ln 78)	17,676,420			17,676,420
80	Plus: Transmission Lease Payments To Affiliates in Acct 565	(Company Records) (Note H)	-	DA	1.00000	-
81	TOTAL O & M EXPENSE	(ln 79 + ln 80)	17,676,420			17,676,420
82	DEPRECIATION AND AMORTIZATION EXPENSE					
83	Transmission	336.7.f	30,434,433	TP1	1.00000	30,434,433
84	General	336.10.f	2,452	W/S	1.00000	2,452
85	Intangible	336.1.f	2,670,399	W/S	1.00000	2,670,399
86	TOTAL DEPRECIATION AND AMORTIZATION	(Ln 83+84+85)	33,107,284			33,107,284
87	TAXES OTHER THAN INCOME	(Note N)				
88	Labor Related					
89	Payroll	Worksheet H ln 23.(D)	-	W/S	1.00000	-
90	Plant Related					
91	Property	Worksheet H-p2 ln 3.(C) & ln 3.(G)	9,769,230	DA	1.00000	9,769,230
92	Gross Receipts/Sales & Use	Worksheet H ln 23.(F)	4	NA	0.00000	-
93	Other	Worksheet H ln 23.(E)	-	GP	1.00000	-
94	TOTAL OTHER TAXES	(sum lns 89 to 93)	9,769,234			9,769,230
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)) =		27.12%			
98	where WCLTD=(ln 136) and WACC = (ln 139)					
99	and FIT, SIT & p are as given in Note O.					
100	GRCF=1 / (1 - T) = (from ln 96)		1.3538			
101	Amortized Investment Tax Credit (enter negative)	(FF1 p.114, ln 19.c)	-			
102	Excess Deferred Income Tax	(Note T)	547,915	NP(h)	1.00000	547,915
103	Tax Effect of Permanent and Flow-Through Differences	(Note T)	218,503	NP(h)	1.00000	218,503
104	Income Tax Calculation	(ln 97 * ln 109)	20,030,840			20,030,840
105	ITC adjustment	(ln 100 * ln 101)	-	NP(h)	1.00000	-
106	Excess Deferred Income Tax	(ln 100 * ln 102)	741,779			741,779
107	Tax Effect of Permanent and Flow-Through Differences	(ln 100 * ln 103)	295,814			295,814
108	TOTAL INCOME TAXES	(sum lns 104 to 107)	21,068,433			21,068,433
109	RETURN ON RATE BASE (Rate Base*WACC)	(ln 58 * ln 139)	73,846,780			73,846,780
110	INTEREST ON IPP CONTRIBUTION FOR CONST.	(Note F) (Worksheet D, ln 2.(B))	-	DA	1.00000	-
111	(Gains) / Losses on Sales of Plant Held for Future Use	(Worksheet N, ln 4, Cols. ((F) & (H))	-			-
112	Tax Impact on Net Loss / (Gain) on Sales of Plant Held for Future Use	(ln 111 * ln97)	-			-
113	TOTAL REVENUE REQUIREMENT (sum lns 81, 86, 94, 108, 109, 110, 111, 112)		155,468,151			155,468,147

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SUPPORTING CALCULATIONS

In No.									
	TRANSMISSION PLANT INCLUDED IN PJM TARIFF								
114	Total transmission plant	(ln 19)							1,253,720,815
115	Less transmission plant excluded from PJM Tariff (Worksheet A, ln 42.(d)) (Note P)								-
116	Less transmission plant included in OATT Ancillary Services (Worksheet A, ln 42, Col. (b)) (Note Q)								-
117	Transmission plant included in PJM Tariff	(ln 114 - ln 115 - ln 116)							1,253,720,815
118	Percent of transmission plant in PJM Tariff	(ln 117 / ln 114)						**TP=**	**1.00000**
				Payroll Billed from					
119	WAGES & SALARY ALLOCATOR (W/S)	(Note R)	Direct Payroll	AEP Service Corp.	Total				
120	*Line Deliberately Left Blank*								
121	Transmission	354.21.b	-	5,320,284	5,320,284	TP	1.00000		5,320,284
122	Regional Market Expenses	354.22.b	-	-	-	NA	0.00000		-
123	*Line Deliberately Left Blank*								
124	Other (Excludes A&G)	354.24,25,26.b	-	-	-	NA	0.00000		-
125	Total	(sum lns 121, 122, & 124)	-	5,320,284	5,320,284				5,320,284
126	Transmission related amount							**W/S=**	**1.00000**
	Actual (Uncapped) Capital Structure								
127	WEIGHTED AVERAGE COST OF CAPITAL (WACC)								$
128	Long Term Interest	(Worksheet M, ln.36, col.(d))							**23,563,166**
129	Preferred Dividends	(Worksheet M, ln. 45, col.(d))							-
130	Development of Common Stock:								
131	Proprietary Capital	(Worksheet M, ln. 14, col.(b))							747,868,818
132	Less: Preferred Stock	(Worksheet M, ln. 14, col.(c))							-
133	Less: Account 216.1	(Worksheet M, ln. 14, col.(d))							-
134	Less: Account 219	(Worksheet M, ln. 14, col.(e))							-
135	Common Stock	(ln 131 - ln 132 - ln 133 - ln 134)							747,868,818
				Capital Structure Percentages			Cost		
				$	%	Cap Limit	(Note S)		Weighted
136	Long Term Debt (Note S) Worksheet M, ln 28, col. (q), ln 37, col. (d))			612,600,000	45.03%	45.03%	3.85%		0.0173
137	Preferred Stock (ln 132)			-	0.00%	0.00%	0.00%		0.0000
138	Common Stock (ln 135)			747,868,818	54.97%	54.97%	10.35%		0.0569
139	Total (Sum lns 136 to 138)			1,360,468,818	100.00%			**WACC=**	**0.0742**
140	Capital Structure Equity Limit (Note Z)		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-ROE's. 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(l)-l(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 Ancilliary 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) (ln 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)
P	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-ochange rate and post-change rate each is in effect. 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 (ln 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.
T	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.
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.
X	Under Section 30.9 of the PJM OATT, a network customer that owns existing transmission facilities that are integrated with the Transmission Provider's Transmission System may be eligible to receive consideration either through a billing credit or some other mechanism. Calculation of any credit under this subsection, pursuant to approval by FERC for inclusion in this formula rate for collection on behalf of the network customer, shall be addressed in either the Network Customer's Service Agreement or any other agreement between the parties.
Y	The cost of service will make a rate base adjustment to remove unfunded reserves associated with contingent liabilites recorded to Accounts 228.1-228.4 from rate base.
Z	Per the settlement in EL17-13, equity is limited to 55% in of the Company's capital structure. If the percentage of actual equity exceeds the cap, the excess is included as long term debt in the capital structure.

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), ln 58	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 57	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 99	FF1, page 207 Col.(g) & pg. 206 Col. (b), ln 98	FF1, page 205 Col.(g) & pg. 204 Col. (b), ln 5
1	December Prior to Rate Year	1,195,349,301	-	38,320	-	13,895,633
2	January	1,195,641,141	-	38,322	-	13,940,268
3	February	1,198,082,917	-	38,323	-	14,110,652
4	March	1,198,258,789	-	38,325	-	14,363,436
5	April	1,198,631,767	-	38,326	-	14,595,265
6	May	1,204,721,837	-	38,326	-	14,795,966
7	June	1,209,199,930	-	38,326	-	15,980,669
8	July	1,291,420,747	-	48,774	-	16,220,800
9	August	1,297,060,347	-	49,310	-	16,572,159
10	September	1,298,511,135	-	49,382	-	15,842,317
11	October	1,305,270,368	-	81,821	-	16,038,530
12	November	1,312,442,723	-	85,000	-	16,352,906
13	December of Rate Year	1,393,779,597	-	143,471	-	16,750,837
14	Average of the 13 Monthly Balances	1,253,720,815	-	55,848	-	15,343,034

Line No	Month (a)	Accumulated Depreciation: Transmission (d)	Transmission ARO (e)	General (h)	General ARO (i)	Intangible (j)
	(Note A)	FF1, page 219, ln 25, Col. (b)	Company Records (Included in total in Column (d))	FF1, page 219, ln 28, Col. (b)	Company Records (Included in total in Column (h))	FF1, page 200, ln 21, Col. (b)
15	December Prior to Rate Year	55,485,221	-	2,610	-	4,313,264
16	January	57,614,682	-	2,769	-	4,513,801
17	February	59,741,322	-	2,928	-	4,714,974
18	March	61,907,520	-	3,087	-	4,918,917
19	April	64,022,837	-	3,246	-	5,127,060
20	May	66,147,033	-	3,405	-	5,339,061
21	June	68,282,715	-	3,564	-	5,554,406
22	July	70,415,260	-	3,723	-	5,789,496
23	August	72,713,324	-	3,926	-	6,028,588
24	September	74,929,347	-	4,130	-	5,270,112
25	October	77,204,742	-	4,335	-	5,502,894
26	November	83,016,537	-	4,704	-	5,738,947
27	December of Rate Year	85,452,875	-	5,062	-	5,622,355
28	Average of the 13 Monthly Balances	68,994,878	-	3,653	-	5,264,144

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	68,994,878

	Plant Held For Future Use	Source of Data	Balance @ December 31, 2020	Balance @ December 31, 2019	Average Balance for 2020
	(a)	(b)	(c)	(d)	(e)
44	**Plant Held For Future Use**	FF1, page 214, ln 47, Col. (d)	-	-	-
45	**Transmission Plant Held For Future Use (Included in total on line 4**	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)

	Description	Account
52		

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 unamoritzed 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

Line Number	(A) Description	(B) Source	(C) Balance @ December 31, 2020	(D) Balance @ December 31, 2019	(E) Average Balance for 2020
1	**Account 281**				
2	Year End Utility Deferrals	FF1, p. 272 - 273, ln 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 - ln 3 - ln 4	-	-	-
6	**Account 282**				
7	Year End Utility Deferrals	FF1, p. 274 - 275, ln 5, Col. (k)	176,542,245	166,591,836	171,567,040
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)	-	-	-
10	Transmission Related Deferrals	Ln 7 - ln 8 - ln 9	176,542,245	166,591,836	171,567,040
11	**Account 283**				
12	Year End Utility Deferrals	FF1, p. 276 - 277, ln 9, Col. (k)	41,725,159	35,466,170	38,595,665
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)	-	-	-
15	Transmission Related Deferrals	Ln 12 - ln 13 - ln 14	41,725,159	35,466,170	38,595,665
16	**Account 190**				
17	Year End Utility Deferrals	FF1, p. 234, ln 8, Col. (c)	9,560,654	7,842,974	8,701,814
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)	-	-	-
20	Transmission Related Deferrals	Ln 17 - ln 18 - ln 19	9,560,654	7,842,974	8,701,814
21	**Account 255**				
22	Year End ITC Balances	FF1, p. 266-267, ln 8, Col. (h)	-	-	-
23	Less: Balances Not Qualified for Ratebase	Company Records - Note 1	-	-	-
24	ITC Balances Includeable in Ratebase	Ln 22 - ln 23	-	-	-
25	Transmission Related Deferrals	WS B-1 - Actual Stmt. AF Ln. 20 (Note 1)	-	-	-

NOTE 1 On this worksheet, "Company Records" refers to AEP's tax forecast and accounting ledger. The PTRR will use projected ending balances and reflect proration required by IRS Letter Rule Section I.I67(I)-I(h)(6)(ii). Line item detail of actual deferred tax items will be included on Worksh

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

West Virginia Transmission Company
SPECIFIED DEFERRED CREDITS - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2020

(DEBIT) CREDIT

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS		NON-APPLICABLE/NON-UTILITY		AVERAGE ELECTRIC	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2019			FUNCTIONALIZATION 12/31/2020		
	ACCUMULATED DEFERRED FIT ITEMS	BALANCE AS OF 12-31-2019	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2019	BALANCE AS OF 12-31-2020	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	0									
2.05		0	0	0	0	0									
2.06		0	0	0	0	0									
3	TOTAL ACCOUNT 281	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	ACCOUNT 281 - ARO-Related Deferrals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	ACCOUNT 282:														
5.01	BOOK VS. TAX DEPRECIATION	113,025,974	116,310,857			114,668,415	0	114,668,415	0		113,025,974			116,310,857	
5.02	481 a BONUS DEPRECIATION	2,799,383	1,866,255			2,332,819	0	2,332,819	0		2,799,383			1,866,255	
5.03	R & D DEDUCTION - SECTION 174	2	2			2	0	2	0		2			2	
5.04	TAX DEPRECIATION LOOKBACK	(4,113,970)	0			(2,056,985)	0	(2,056,985)	0		(4,113,970)			-	
5.05	GAIN/LOSS ON ACRS/MACRS PROPERTY	16,828	19,834			18,331	0	18,331	0		16,828			19,834	
5.06	ABFUDC	4,489,198	5,984,113			5,236,656	0	5,236,656	0		4,489,198			5,984,113	
5.07	INT EXP CAPITALIZED FOR TAX	(8,880,649)	(11,809,855)			(10,345,252)	0	(10,345,252)	0		(8,880,649)			(11,809,855)	
5.08	CIAC - BOOK RECEIPTS	(194,250)	(194,250)			(194,250)	0	(194,250)	0		(194,250)			(194,250)	
5.09	BOOK/TAX UNIT OF PROPERTY ADJ	0	4,825,672			2,412,836	0	2,412,836	0		0			4,825,672	
5.10	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(855)	(855)			(855)	0	(855)	0		(855)			(855)	
5.11	TX ACCEL AMORT - CAPITALIZED SOFTWARE	90,928	90,928			90,928	0	90,928	0		90,928			90,928	
5.12	CAPITALIZED SOFTWARE COST-BOOK	2,109,053	2,209,721			2,159,387	0	2,159,387	0		2,109,053			2,209,721	
5.13	BOOK OPERATING LEASE - ASSET	0	33,990			16,995	0	16,995	0					33,990	
5.14	REMOVAL CST	4,581	25,528			15,054	0	15,054	0		4,581			25,528	
5.15	EXCESS ADFIT - PROTECTED	56,744,914	56,742,197			56,743,556	0	56,743,556	0		56,744,914			56,742,197	
5.16	EXCESS ADFIT - UNPROTECTED	500,699	438,108			469,403	0	469,403	0		500,699			438,108	
5.17	NON-UTILITY DEFERRED FIT	-	-	0	0	0									
5.18	SFAS 109 FLOW-THRU 282.3	13,850,775	17,771,218	(13,850,775)	(17,771,218)	0									
5.19	SFAS 109 EXCESS DFIT 282.4	(57,245,613)	(57,180,305)	57,245,613	57,180,305	0									
6	TOTAL ACOUNT 282	123,196,999	137,133,157	43,394,837	39,409,087	171,567,040	0	171,567,040	0	0	166,591,836	0	0	176,542,245	0
7	ACCOUNT 282 - ARO-Related Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	ACCOUNT 283:														
9.01	NOL & TAX CREDIT C/F - DEF TAX ASSET	(154,143)	0			(77,072)	0	(77,072)	0		(154,143)			-	
9.02	PROPERTY TAX-NEW METHOD-BOOK	725,069	1,857,395			1,291,232	0	1,291,232	0		725,069			1,857,395	
9.03	REG ASSET-DEPR EXP DEFERRAL - VA	0	800,462			400,231	0	400,231	0		-			800,462	
9.04	EXCESS ADFIT - UNPROTECTED	(5,773,365)	(5,159,998)			(5,466,682)	0	(5,466,682)	0		(5,773,365)			(5,159,998)	
9.05	NON-UTILITY DEFERRED FIT 283.2	-	-	0	0	0	0	0	0						
9.06	SFAS 109 FLOW-THRU 283.3	3,681,852	4,383,006	(3,681,852)	(4,383,006)	0	0	0	0						
9.07	SFAS 109 EXCESS DFIT 283.4	5,432,377	5,159,998	(5,432,377)	(5,159,998)	0	0	0	0						
9.08	SFAS 133 ADIT FED - SFAS 133 NONAFFIL 2830006	-	-	0	0	0	0	0	0						
9.09	ADIT - FED-HDG-CF-INT RATE 2830015	-	-	0	0	0	0	0	0						
10		3,911,789	7,040,863	(9,114,228)	(9,543,005)	(3,852,291)	0	(3,852,291)	0	0	(5,202,440)	0	0	(2,502,142)	0
11	DEFD STATE INCOME TAXES	40,668,610	44,227,301			42,447,955	0	42,447,955	0		40,668,610			44,227,301	
11.01				0	0	0									
12	TOTAL ACCOUNT 283	44,580,398	51,268,164	(9,114,228)	(9,543,005)	38,595,664	0	38,595,665	0	0	35,466,170	0	0	41,725,159	0
13	ACCOUNT 283 - ARO-Related Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	JURISDICTIONAL AMOUNTS FUNCTIONALIZED														
15	TOTAL COMPANY AMOUNTS FUNCTIONALIZED														
16	REFUNCTIONALIZED BASED ON JURISDICTIONAL PLANT														
17	NOTE: POST 1970 ACCUMULATED DEFERRED														
18	INV TAX CRED. (JDITC) IN A/C 255														
18.01		0	0			0	0	0	0						
18.02		0	0			0	0	0	0						
19															
20	TOTAL ACCOUNT 255	0	0	0	0	0	0	0	0	0	0	0	0	0	0

West Virginia Transmission Company
ACCUMULATED DEFERRED INCOME TAX IN ACCOUNT 190 - Actual Cycle Only
PERIOD ENDED DECEMBER 31, 2020

DEBIT (CREDIT)

	COLUMN A	COLUMN B	COLUMN C	COLUMN D	COLUMN E	COLUMN F	COLUMN G	COLUMN H	COLUMN I	COLUMN J	COLUMN K	COLUMN L	COLUMN M	COLUMN N	COLUMN O
		PER BOOKS		NON-APPLICABLE/NON-UTILITY		AVERAGE	FUNCTIONALIZATION AVERAGE			FUNCTIONALIZATION 12/31/2019			FUNCTIONALIZATION 12/31/2020		
	ACCUMULATED DEFERRED FIT ITEMS	BALANCE AS OF 12-31-2019	BALANCE AS OF 12-31-2020	BALANCE AS OF 12-31-2019	BALANCE AS OF 12-31-2020	ELECTRIC UTILITY (B+C+D+E)/2	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION	GENERATION	TRANSMISSION	DISTRIBUTION
1	ACCOUNT 190:														
2.01	NOL & TAX CREDIT C/F - DEF TAX ASSET	4,533	8,450			6,491	0	6,491	0		4,533			8,450	
2.02	INT EXP CAPITALIZED FOR TAX	0	0			0	0	0	0		-			-	
2.03	PROV POSS REV REFDS	0	(0)			0	0	(0)	0		-			(0)	
2.04	INSURANCE PREMIUMS ACCRUED	0	(10,504)			(5,252)	0	(5,252)	0					(10,504)	
2.05	ACCRD COMPANYWIDE INCENTV PLAN	31,690	235,506			133,598	0	133,598	0		31,690			235,506	
2.06	BOOK OPERATING LEASE - LIAB	0	39,469			19,735	0	19,735	0		-			39,469	
2.07	DEFD STATE INCOME TAXES	8,540,408	9,287,733			8,914,071	0	8,914,071	0		8,540,408			9,287,733	
2.08	AMT CREDIT - DEFERRED	358	0			179	0	179	0		358			-	
2.09	NOL-STATE C/F-DEF TAX ASSET-L/T - WV	(734,015)	0			(367,008)	0	(367,008)	0		(734,015)			-	
2.10	DEFERRED SIT 1901002	0	0			0	0	0	0		-			-	
2.11	NON-UTILITY DEFERRED FIT	202,078	92,334	(202,078)	(92,334)	0									
2.12	SFAS 109 FLOW-THRU 190.3	198	-	(198)	0	0									
2.13	SFAS 109 EXCESS DFIT 190.4	18,211,971	18,405,754	(18,211,971)	(18,405,754)	0									
2.14	SFAS 133 ADIT FED - SFAS NONAFFIL 1900006	-	-	0	0	0									
2.15	ADIT FED - PENSION OCI NAF 1900009	-	-	0	0	0									
2.16	ADIT-FED-HDG-CF-INT RATE1900015	-	-	0	0	0									
3	TOTAL ACCOUNT 190	26,257,222	28,058,742	(18,414,247)	(18,498,088)	8,701,814	0	8,701,814	0	0	7,842,974	0	0	9,560,654	0
4	ACCOUNT 190 - ARO-Related Deferals	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WEST VIRGINIA TRANSMISSION COMPANY, INC.
Worksheet B-3
Excess/ Deficient ADIT Worksheet
For Year Ended December 31, 2019
Debit/(Credit)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
								1/1/2020 Beginning Balances			Balance Sheet Entries		Tax Expense Entries		12/31/2020 Ending Balance		
Line No.	Account (NOTE A)	Description of Account	Protected Unprotected	Tax Rate Change Act	Excess Balance at Remeasurement	Amortization Methodology (NOTE C)	Amotization Period	Excess ADIT Regulatory Offset	Excess ADIT in Utility Deferrals	Balance Sheet Account Reclassifications	182.3	254	410/411 Excess Amortization NOTE C	410/411 Deferred Tax Expense/ (Benefit)	Excess ADIT Regulatory Offset	Excess ADIT in Utility Deferrals	Reference
															Sum of Cols (I) - (O)		
	Deferred Tax Account (NOTE B)																
1a	1904001	ADFIT - FAS 109 Excess	N/A	TCJA 2017				18,211,971				193,783			18,405,754		WS B - 2 Col B/C, ADIT Item 2.12
1b	2821001	ADFIT - Utility Property	Protected	TCJA 2017	(57,557,598)	**ARAM**	**Life of Asset**		(56,744,914)				2,860	(144)		(56,742,198)	WS B - 1 Col N, ADIT Item 5.15
1c	2821001	ADFIT - Utility Property	Unprotected	TCJA 2017	-	**10 Years**	**1/2018 - 12/2027**		(500,699)				62,588			(438,111)	WS B - 1 Col N, ADIT Item 5.16
1d	2824001	ADFIT - Utility Property FAS 109 Excess	Protected	TCJA 2017				56,744,914				(2,716)			56,742,198		WS B - 1 Col B/C, ADIT Item 5.19
1e	2824001	ADFIT - Utility Property FAS 109 Excess	Unprotected	TCJA 2017				500,699				(62,588)			438,111		
1f	2831001	ADFIT - Other Utility Deferrals	Unprotected	TCJA 2017	4,719,901	**10 Years**	**1/2018 - 12/2027**		5,773,365				(613,363)			5,160,002	WS B - 1 Col N, ADIT Item 9.04
1g	2834001	ADFIT - Other FAS 109 Excess	Unprotected	TCJA 2017				(5,432,377)			(340,987)	613,363			(5,160,001)		WS B - 1 Col B/C, ADIT Item 9.07
1h	**NOTE D**																
	Regulatory Deferral Accounts																
2a	182.3	Regulatory Asset		TCJA 2017				(340,987)			340,987				-		Company Records
2b	254	Regulatory Liability		TCJA 2017				(69,684,220)				(741,842)			(70,426,062)		FERC Form 1 p. 278 Ln. 3 Cols, (b) /(f)
2c	**NOTE D**																
3		Total For Accounting Entires (Sum of Lines 1a through 2b)						0	(51,472,248)	-	-	-	547,915	144	-	(52,020,307)	
													NOTE E				

NOTE A In order to ensure ratebase neutrality, AEP utilizes the fourth digit of its seven digit FERC Tax subaccount numbers to identify balances associated with uitlity operations vs regulatory reporting requirements. A "1" in the fourth digit of a FERC tax account refers to the utility operations balance or entry. Accounts with the "1" designation will be included in the determination of ratebase to be recovered in the formula rate. A "4" in the four place of the account number indicates accounts used to track regulatory accounting requirements. The excess ADIT amounts recorded in accounts with the "4" designation will be contra to the "1" balance, which will ensure that in the formula rate the excess amount will be part of ratebase, but at the total FERC account level the tax asset or liability will be recorded at the current Federal FIT rate. The amounts recored 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 of ADIT accounts provided for each specific change in tax rates.

NOTE C: The ten year amortization period for unprotected excess ADIT is consistent with the period agreed upon by the Company and its customers and approved for the Company's PJM formula rates. *Appalachian Power 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 or regulatory deferral accounts that may be necessary to track that tax rate change.

NOTE E: The amount of excess amortization entries shown in lines 1a through 1h are shown as a debit or credit to the ADIT account from which it is being amortized. The total in line 3 is the offset as charged to the 410/411 account.

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

Materials & Supplies

Line Number		Source	Balance @ December 31, 2020	Balance @ December 31, 2019	Average Balance for 2020
1					
2	Transmission Materials & Supplies	FF1, p. 227, ln 8, Col. (c) & (b)	154	-	77
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)

5		Average of YE Balance	Excludable Balances	100% Transmission Related	Transmission Plant Related	Transmission Labor Related	Total Included in Ratebase (E)+(F)+(G)
6	Totals as of December 31, 2020	244,221	0	0	244,221	0	244,221
7	Totals as of December 31, 2019	144,733	0	0	144,733	0	144,733
8	**Average Balance**	194,477	-	-	194,477	-	194,477

Prepayments Account 165 - Balance @ 12/31/2020

9	Acc. No.	Description	2020 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	131,413	-		131,413		131,413	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	100,219	-		100,219		100,219	Plant related insurance policies
21	1650023	Prepaid Lease	12,590	-		12,590	-	12,590	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	244,221	0	0	244,221	0	244,221	

Prepayments Account 165 - Balance @ 12/31/ 2019

26	Acc. No.	Description	2019 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	81,393	-		81,393		81,393	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	-	-		-		-	
34	1650016	FAS 112 ASSETS	-	-		-		-	
35	1650021	Prepaid Insurance - EIS	63,339	-		63,339		63,339	Plant related insurance policies
36	1650023	Prepaid Lease	-	-		-	-	-	
37	1650031	Prepaid OCIP Work Comp	-	-			-	-	
38	1650032	Prepaid OCIP Work Comp LT	-	-			-	-	
39	1650033	Prepaid OCIP Work Comp - Aff	-	-			-	-	
40	1650034	Prepaid OCIP Work Comp LT- Aff	-				-	-	
		Subtotal - Form 1, p 111.57.d	144,733	0	0	144,733	0	144,733	

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

Line Number	(A) Description	(B) 2020
1	Net Funds from IPP Customers 12/31/2019 (2020 FORM 1, P269)	-
2	Interest Expense (Company Records - Note 1)	-
3	Revenue Credits to Generators (Company Records - Note 1)	-
4	Other Adjustments	
5	Accounting Adjustment (Company Records - Note 1)	-
6		-
7	Net Funds from IPP Customers 12/31/2020 (2020 FORM 1, P269)	-
8	Average Balance for Year as Indicated in Column ((ln 1 + 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

Line Number	Description	Total Company	Non-Transmission	Transmission
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)**	65,547	-	65,547
4	**Account 4560015, Associated Business Development - (Company Records - Notes 1, 2)**		-	
5	**Account 456 - Other Electric Revenues - (Company Records - Notes 1,2)**	176,141,884	176,141,884	
5a	**Account 457.1, Regional Control Service Revenues (FF1 p.300.23.(b); Company Records - Note 1)**		-	
5b	**Account 457.2, Miscellaneous Revenues (FF1p.300.24.(b); Company Records - Note 1)**		-	
6	**Subtotal - Other Operating Revenues (Company Total equals (FF1 p. 300.26.(b))**	176,207,431	176,141,884	65,547
7	**Accounts 4470004 & 5, Revenues from Grandfathered Transmission Contracts - (Company Records - Note 1)**		-	
8	**Total Other Operating Revenues To Reduce Revenue Requirement**	176,207,431	176,141,884	65,547
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

Line Number	(A) Item No.	(B) Description	(C) 2020 Expense	(D) 100% Non-Transmission	(E) 100% Transmission Specific	(F) Explanation
		Regulatory O&M Deferrals & Amortizations				
1						
2						
3						
4		**Total**	-			
		Detail of Account 561 Per FERC Form 1				
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	1,009,808			
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	4			
10	FF1 p 321.89.b	561.5 - Reliability, Planning and Standards Development	216,648			
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**	1,226,460			
		Account 928				
15	9280000	Regulatory Commission Exp	454	454	-	
16	9280001	Regulatory Commission Exp-Adm	(8)	(8)	-	
17	9280002	Regulatory Commission Exp-Case	(1,276)	(1,276)	-	
18	9280005	Reg Com Exp-FERC Trans Cases	40,672	-	40,672	
19				-	-	
20				-	-	
21		**Total (FERC Form 1 p.323.189.b)**	39,842	(831)	40,672	
		Account 930.1				
22	9301000	General Advertising Expenses	-	-	-	
23	9301001	Newspaper Advertising Space	16	16	-	
24	9301010	Publicity	72	72	-	
25	9301012	Public Opinion Surveys	-	-	-	
26	9301014	Video Communications	87	87		
27	9301015	Other Corporate Comm Exp	2	2	-	
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38		**Total (FERC Form 1 p.323.191.b)**	177	177	-	
		Account 930.2				
39	9302000	Misc General Expenses	73,298	73,298	-	
40	9302003	Corporate & Fiscal Expenses	15,179	15,179	-	
41	9302007	Assoc Business Development Exp	43	-	43	
42	9302017	SellingPrice Normalization Exp	0	0	-	
43		**Total (FERC Form 1 p.323.192.b)**	88,521	88,478	43	

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		6.50%

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

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet H page 1 Supporting Taxes Other than Income
West Virginia Transmission Company

Line No.	(A) Account	(B) Total Company NOTE 1	(C) Property	(D) Labor	(E) Other	(F) Non-Allocable
1	**Revenue Taxes**					
2	Gross Receipts Tax	4				4
3	**Real Estate and Personal Property Taxes**					
4	Real and Personal Property - West Virginia	9,769,230	9,769,230			
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	*Line Deliberately Left Blank*					
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	9,769,234	9,769,230	-	-	4

(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

Line No.		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)	-	1,184,725,937	-	52,195	1,184,778,132
	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)	-	1,184,725,937	-	52,195	1,184,778,132
27	Less: Net Value of Exempted Generation Plant					
28	Taxable Property Basis (Ln 26 - Ln 27)	-	1,184,725,937	-	52,195	1,184,778,132
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%		

AEPTCo subsidiaries in PJM
Cost of Service Formula Rate Using Actual/Projected FF1 Balances
Worksheet H page 2 Form 1 Source Reference of Company Amounts on WS H
West Virginia Transmission Company

Line No.	(A) Annual Tax Expenses by Type (Note 1)		(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
1	**Revenue Taxes**				
2	Gross Receipts Tax		4		
		2019		1	P.263 ln 35 (i)
		2020		3	P.263 ln 36 (i)

	(A) "Real Estate and Personal Propety Tax Detail Annual Tax Expenses by Type (Note 1)"	(B) Tax Year	(C) Total Company	(D) FERC FORM 1 Tie-Back	(E) FERC FORM 1 Reference	(F) Tax Year Factor (Note 2)	(G) Transmission Function (Note 2)
3	**Real Estate and Personal Property Taxes Total (Ln 4 + Ln 5 + Ln 6 + Ln 7)**		9,769,230				9,769,230
4	Real and Personal Property - West Virginia		9,769,230				9,769,230
		2018		4,478,250	P. 263,Ln. 23(j)	100%	4,478,250
		2019		5,290,980	P. 263,Ln. 24(j)	100%	5,290,980
							-
							-
							-
							-
5	Real and Personal Property - Virginia		-				-
							-
							-
							-
							-
							-
6	Real and Personal Property - Tennessee		-				-
							-
							-
7	Real and Personal Property - Other Jurisdictions		-				-
							-

Line No.	(A) Annual Tax Expenses by Type (Note 1)	(B) Total Company	(C) FERC FORM 1 Tie-Back	(D) FERC FORM 1 Reference
8	**Payroll Taxes**			
9	Federal Insurance Contribution (FICA)	-		
10	Federal Unemployment Tax	-		
11	State Unemployment Insurance	-		
12	*Line Left Deliberately Blank*			
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))	9,769,234	9,769,234	

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 assesed. 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 K Supporting Calculation of TRUE-UP PJM RTEP Project Revenue Requirement Billed to Benefiting Zones
West Virginia Transmission Company

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 True-Up TCOS, lns 136 through 138)			
	%	Cost	Weighted cost
Long Term Debt	45.03%	3.85%	1.732%
Preferred Stock	0.00%	0.00%	0.000%
Common Stock	54.97%	10.35%	5.690%
		R =	7.422%

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

Rate Base (True-Up TCOS, ln 58)	995,034,573
R (fom A. above)	7.422%
Return (Rate Base x R)	73,846,780

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

Return (from B. above)	73,846,780
Effective Tax Rate (TCOS, ln 97)	27.12%
Income Tax Calculation (Return x CIT)	20,030,840
ITC Adjustment	-
Excess Deferred Income Tax	741,779
Tax Affect of Permanent Differences	295,814
Income Taxes	21,068,433

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)	155,468,147
Lease Payments (TCOS, Lns 80)	-
Return (TCOS, ln 109)	73,846,780
Income Taxes (TCOS, ln 108)	21,068,433
Annual Revenue Requirement, Less Lease Payments, Return and Taxes	60,552,934

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

Annual Revenue Requirement, Less Lease Payments, Return and Taxes	60,552,934
Return (from I.B. above)	73,846,780
Income Taxes (from I.C. above)	21,068,433
Annual Revenue Requirement, with 0 Basis Point ROE increase	155,468,147
Depreciation (TCOS, ln 83)	30,434,433
Annual Rev. Req, w/ 0 Basis Point ROE increase, less Depreciation	125,033,714

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

Net Transmission Plant (Projected TCOS, ln 33)	1,184,725,937
Annual Revenue Requirement, with 0 Basis Point ROE increase	155,468,147
FCR with 0 Basis Point increase in ROE	13.12%
Annual Rev. Req, w / 0 Basis Point ROE increase, less Dep.	125,033,714
FCR with 0 Basis Point ROE increase, less Depreciation	10.55%
FCR less Depreciation (TCOS, ln 10)	10.55%
Incremental FCR with 0 Basis Point ROE increase, less Depreciation	0.00%

III. Calculation of Composite Depreciation Rate

Average Transmission Plant Balance for 2020 TCOS, ln 19	1,253,720,815
Annual Depreciation and Amortization Expense (TCOS, ln 83)	30,434,433
Composite Depreciation Rate	2.43%
Depreciable Life for Composite Depreciation Rate	41.19
Average Life in Whole Years	41

SUMMARY OF TRUED-UP ANNUAL REVENUE REQUIREMENTS FOR RTEPPROJECTS

TRUE-UP YEAR	Rev Require	W Incentives	Incentive Amounts
As Projected in Prior Year WS J	$ 43,471,645	$ 43,471,645	$ -
Actual After True-up	$ 52,697,234	$ 52,697,234	$ -
True-up of ARR For 2020	9,225,589	9,225,589	-

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.

West Virginia Transmission Company Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

Project Description: RTEP ID: b1661 (Install a 765 kV circuit breaker at Wyoming station)

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	248,393	248,393	-
Prior Yr True-Up	253,246	253,246	-
True-Up Adjustment	4,853	4,853	-

Details			
Investment	2,191,536	Current Year	2020
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	53,452

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	2,191,536	4,454	2,187,082	2,189,309	235,510	235,510	$ -	$ 541,349	$ (305,839)	$ 541,349	$ (305,839)	$ -
2015	2,187,082	53,452	2,133,630	2,160,356	281,452	281,452	$ -	$ 511,336	$ (229,884)	$ 511,336	$ (229,884)	$ -
2016	2,133,630	53,452	2,080,178	2,106,904	275,811	275,811	$ -	$ 498,629	$ (222,818)	$ 498,629	$ (222,818)	$ -
2017	2,080,178	53,452	2,026,726	2,053,452	270,169	270,169	$ -	$ 544,400	$ (274,231)	$ 544,400	$ (274,231)	$ -
2018	2,026,726	53,452	1,973,274	2,000,000	264,528	264,528	$ -	$ 473,613	$ (209,085)	$ 473,613	$ (209,085)	$ -
2019	1,973,274	53,452	1,919,821	1,946,547	258,887	258,887	$ -	$ 252,229	$ 6,658	$ 252,229	$ 6,658	$ -
2020	1,919,821	53,452	1,866,369	1,893,095	253,246	253,246	$ -	$ 248,393	$ 4,853	$ 248,393	$ 4,853	$ -
2021	1,866,369	53,452	1,812,917	1,839,643	247,605	247,605	$ -		$ -		$ -	$ -
2022	1,812,917	53,452	1,759,465	1,786,191	241,963	241,963	$ -		$ -		$ -	$ -
2023	1,759,465	53,452	1,706,013	1,732,739	236,322	236,322	$ -		$ -		$ -	$ -
2024	1,706,013	53,452	1,652,561	1,679,287	230,681	230,681	$ -		$ -		$ -	$ -
2025	1,652,561	53,452	1,599,109	1,625,835	225,040	225,040	$ -		$ -		$ -	$ -
2026	1,599,109	53,452	1,545,657	1,572,383	219,398	219,398	$ -		$ -		$ -	$ -
2027	1,545,657	53,452	1,492,205	1,518,931	213,757	213,757	$ -		$ -		$ -	$ -
2028	1,492,205	53,452	1,438,752	1,465,479	208,116	208,116	$ -		$ -		$ -	$ -
2029	1,438,752	53,452	1,385,300	1,412,026	202,475	202,475	$ -		$ -		$ -	$ -
2030	1,385,300	53,452	1,331,848	1,358,574	196,833	196,833	$ -		$ -		$ -	$ -
2031	1,331,848	53,452	1,278,396	1,305,122	191,192	191,192	$ -		$ -		$ -	$ -
2032	1,278,396	53,452	1,224,944	1,251,670	185,551	185,551	$ -		$ -		$ -	$ -
2033	1,224,944	53,452	1,171,492	1,198,218	179,910	179,910	$ -		$ -		$ -	$ -
2034	1,171,492	53,452	1,118,040	1,144,766	174,269	174,269	$ -		$ -		$ -	$ -
2035	1,118,040	53,452	1,064,588	1,091,314	168,627	168,627	$ -		$ -		$ -	$ -
2036	1,064,588	53,452	1,011,136	1,037,862	162,986	162,986	$ -		$ -		$ -	$ -
2037	1,011,136	53,452	957,684	984,410	157,345	157,345	$ -		$ -		$ -	$ -
2038	957,684	53,452	904,231	930,957	151,704	151,704	$ -		$ -		$ -	$ -
2039	904,231	53,452	850,779	877,505	146,062	146,062	$ -		$ -		$ -	$ -
2040	850,779	53,452	797,327	824,053	140,421	140,421	$ -		$ -		$ -	$ -
2041	797,327	53,452	743,875	770,601	134,780	134,780	$ -		$ -		$ -	$ -
2042	743,875	53,452	690,423	717,149	129,139	129,139	$ -		$ -		$ -	$ -
2043	690,423	53,452	636,971	663,697	123,497	123,497	$ -		$ -		$ -	$ -
2044	636,971	53,452	583,519	610,245	117,856	117,856	$ -		$ -		$ -	$ -
2045	583,519	53,452	530,067	556,793	112,215	112,215	$ -		$ -		$ -	$ -
2046	530,067	53,452	476,615	503,341	106,574	106,574	$ -		$ -		$ -	$ -
2047	476,615	53,452	423,162	449,889	100,932	100,932	$ -		$ -		$ -	$ -
2048	423,162	53,452	369,710	396,436	95,291	95,291	$ -		$ -		$ -	$ -
2049	369,710	53,452	316,258	342,984	89,650	89,650	$ -		$ -		$ -	$ -
2050	316,258	53,452	262,806	289,532	84,009	84,009	$ -		$ -		$ -	$ -
2051	262,806	53,452	209,354	236,080	78,368	78,368	$ -		$ -		$ -	$ -
2052	209,354	53,452	155,902	182,628	72,726	72,726	$ -		$ -		$ -	$ -
2053	155,902	53,452	102,450	129,176	67,085	67,085	$ -		$ -		$ -	$ -
2054	102,450	53,452	48,998	75,724	61,444	61,444	$ -		$ -		$ -	$ -
2055	48,998	48,998	-	24,499	51,583	51,583	$ -		$ -		$ -	$ -
2056	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		2,191,536			7,145,009	7,145,009	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

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

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	9,597,403	9,597,403	-
Prior Yr True-Up	9,779,319	9,779,319	-
True-Up Adjustment	181,916	181,916	-

Details

Investment	85,102,120	Current Year	2020
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	8	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	2,075,661

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	85,102,120	691,887	84,410,233	84,756,176	9,636,892	9,636,892	$ -	$ 2,795,819	$ 6,841,073	$ 2,795,819	$ 6,841,073	$ -
2015	84,410,233	2,075,661	82,334,571	83,372,402	10,874,626	10,874,626	$ -	$ 9,963,550	$ 911,076	$ 9,963,550	$ 911,076	$ -
2016	82,334,571	2,075,661	80,258,910	81,296,740	10,655,564	10,655,564	$ -	$ 9,645,772	$ 1,009,792	$ 9,645,772	$ 1,009,792	$ -
2017	80,258,910	2,075,661	78,183,248	79,221,079	10,436,503	10,436,503	$ -	$ 10,531,029	$ (94,526)	$ 10,531,029	$ (94,526)	$ -
2018	78,183,248	2,075,661	76,107,587	77,145,418	10,217,442	10,217,442	$ -	$ 9,156,379	$ 1,061,063	$ 9,156,379	$ 1,061,063	$ -
2019	76,107,587	2,075,661	74,031,925	75,069,756	9,998,380	9,998,380	$ -	$ 9,756,827	$ 241,553	$ 9,756,827	$ 241,553	$ -
2020	74,031,925	2,075,661	71,956,264	72,994,095	9,779,319	9,779,319	$ -	$ 9,597,403	$ 181,916	$ 9,597,403	$ 181,916	$ -
2021	71,956,264	2,075,661	69,880,602	70,918,433	9,560,257	9,560,257	$ -		$ -		$ -	$ -
2022	69,880,602	2,075,661	67,804,941	68,842,772	9,341,196	9,341,196	$ -		$ -		$ -	$ -
2023	67,804,941	2,075,661	65,729,279	66,767,110	9,122,135	9,122,135	$ -		$ -		$ -	$ -
2024	65,729,279	2,075,661	63,653,618	64,691,449	8,903,073	8,903,073	$ -		$ -		$ -	$ -
2025	63,653,618	2,075,661	61,577,957	62,615,787	8,684,012	8,684,012	$ -		$ -		$ -	$ -
2026	61,577,957	2,075,661	59,502,295	60,540,126	8,464,951	8,464,951	$ -		$ -		$ -	$ -
2027	59,502,295	2,075,661	57,426,634	58,464,464	8,245,889	8,245,889	$ -		$ -		$ -	$ -
2028	57,426,634	2,075,661	55,350,972	56,388,803	8,026,828	8,026,828	$ -		$ -		$ -	$ -
2029	55,350,972	2,075,661	53,275,311	54,313,141	7,807,767	7,807,767	$ -		$ -		$ -	$ -
2030	53,275,311	2,075,661	51,199,649	52,237,480	7,588,705	7,588,705	$ -		$ -		$ -	$ -
2031	51,199,649	2,075,661	49,123,988	50,161,819	7,369,644	7,369,644	$ -		$ -		$ -	$ -
2032	49,123,988	2,075,661	47,048,326	48,086,157	7,150,583	7,150,583	$ -		$ -		$ -	$ -
2033	47,048,326	2,075,661	44,972,665	46,010,496	6,931,521	6,931,521	$ -		$ -		$ -	$ -
2034	44,972,665	2,075,661	42,897,003	43,934,834	6,712,460	6,712,460	$ -		$ -		$ -	$ -
2035	42,897,003	2,075,661	40,821,342	41,859,173	6,493,399	6,493,399	$ -		$ -		$ -	$ -
2036	40,821,342	2,075,661	38,745,681	39,783,511	6,274,337	6,274,337	$ -		$ -		$ -	$ -
2037	38,745,681	2,075,661	36,670,019	37,707,850	6,055,276	6,055,276	$ -		$ -		$ -	$ -
2038	36,670,019	2,075,661	34,594,358	35,632,188	5,836,215	5,836,215	$ -		$ -		$ -	$ -
2039	34,594,358	2,075,661	32,518,696	33,556,527	5,617,153	5,617,153	$ -		$ -		$ -	$ -
2040	32,518,696	2,075,661	30,443,035	31,480,865	5,398,092	5,398,092	$ -		$ -		$ -	$ -
2041	30,443,035	2,075,661	28,367,373	29,405,204	5,179,031	5,179,031	$ -		$ -		$ -	$ -
2042	28,367,373	2,075,661	26,291,712	27,329,543	4,959,969	4,959,969	$ -		$ -		$ -	$ -
2043	26,291,712	2,075,661	24,216,050	25,253,881	4,740,908	4,740,908	$ -		$ -		$ -	$ -
2044	24,216,050	2,075,661	22,140,389	23,178,220	4,521,847	4,521,847	$ -		$ -		$ -	$ -
2045	22,140,389	2,075,661	20,064,727	21,102,558	4,302,785	4,302,785	$ -		$ -		$ -	$ -
2046	20,064,727	2,075,661	17,989,066	19,026,897	4,083,724	4,083,724	$ -		$ -		$ -	$ -
2047	17,989,066	2,075,661	15,913,405	16,951,235	3,864,662	3,864,662	$ -		$ -		$ -	$ -
2048	15,913,405	2,075,661	13,837,743	14,875,574	3,645,601	3,645,601	$ -		$ -		$ -	$ -
2049	13,837,743	2,075,661	11,762,082	12,799,912	3,426,540	3,426,540	$ -		$ -		$ -	$ -
2050	11,762,082	2,075,661	9,686,420	10,724,251	3,207,478	3,207,478	$ -		$ -		$ -	$ -
2051	9,686,420	2,075,661	7,610,759	8,648,589	2,988,417	2,988,417	$ -		$ -		$ -	$ -
2052	7,610,759	2,075,661	5,535,097	6,572,928	2,769,356	2,769,356	$ -		$ -		$ -	$ -
2053	5,535,097	2,075,661	3,459,436	4,497,266	2,550,294	2,550,294	$ -		$ -		$ -	$ -
2054	3,459,436	2,075,661	1,383,774	2,421,605	2,331,233	2,331,233	$ -		$ -		$ -	$ -
2055	1,383,774	1,383,774	-	691,887	1,456,795	1,456,795	$ -		$ -		$ -	$ -
2056	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		85,102,120			275,210,859	275,210,859	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

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

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	2,224,968	2,224,968	-
Prior Yr True-Up	2,268,871	2,268,871	-
True-Up Adjustment	43,903	43,903	-

Details			
Investment	19,597,955	Current Year	2020
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	477,999

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	19,597,955	-	19,597,955	19,597,955	2,068,331	2,068,331	$ -	$ 2,093,479	$ (25,148)	$ 2,093,479	$ (25,148)	$ -
2015	19,597,955	477,999	19,119,957	19,358,956	2,521,106	2,521,106	$ -	$ 2,304,583	$ 216,523	$ 2,304,583	$ 216,523	$ -
2016	19,119,957	477,999	18,641,958	18,880,957	2,470,659	2,470,659	$ -	$ 2,231,859	$ 238,800	$ 2,231,859	$ 238,800	$ -
2017	18,641,958	477,999	18,163,959	18,402,958	2,420,212	2,420,212	$ -	$ 2,437,179	$ (16,967)	$ 2,437,179	$ (16,967)	$ -
2018	18,163,959	477,999	17,685,960	17,924,959	2,369,765	2,369,765	$ -	$ 2,120,264	$ 249,501	$ 2,120,264	$ 249,501	$ -
2019	17,685,960	477,999	17,207,961	17,446,960	2,319,318	2,319,318	$ -	$ 2,258,478	$ 60,840	$ 2,258,478	$ 60,840	$ -
2020	17,207,961	477,999	16,729,962	16,968,961	2,268,871	2,268,871	$ -	$ 2,224,968	$ 43,903	$ 2,224,968	$ 43,903	$ -
2021	16,729,962	477,999	16,251,963	16,490,963	2,218,424	2,218,424	$ -		$ -		$ -	$ -
2022	16,251,963	477,999	15,773,964	16,012,964	2,167,977	2,167,977	$ -		$ -		$ -	$ -
2023	15,773,964	477,999	15,295,965	15,534,965	2,117,529	2,117,529	$ -		$ -		$ -	$ -
2024	15,295,965	477,999	14,817,966	15,056,966	2,067,082	2,067,082	$ -		$ -		$ -	$ -
2025	14,817,966	477,999	14,339,967	14,578,967	2,016,635	2,016,635	$ -		$ -		$ -	$ -
2026	14,339,967	477,999	13,861,968	14,100,968	1,966,188	1,966,188	$ -		$ -		$ -	$ -
2027	13,861,968	477,999	13,383,970	13,622,969	1,915,741	1,915,741	$ -		$ -		$ -	$ -
2028	13,383,970	477,999	12,905,971	13,144,970	1,865,294	1,865,294	$ -		$ -		$ -	$ -
2029	12,905,971	477,999	12,427,972	12,666,971	1,814,847	1,814,847	$ -		$ -		$ -	$ -
2030	12,427,972	477,999	11,949,973	12,188,972	1,764,400	1,764,400	$ -		$ -		$ -	$ -
2031	11,949,973	477,999	11,471,974	11,710,973	1,713,953	1,713,953	$ -		$ -		$ -	$ -
2032	11,471,974	477,999	10,993,975	11,232,974	1,663,506	1,663,506	$ -		$ -		$ -	$ -
2033	10,993,975	477,999	10,515,976	10,754,976	1,613,058	1,613,058	$ -		$ -		$ -	$ -
2034	10,515,976	477,999	10,037,977	10,276,977	1,562,611	1,562,611	$ -		$ -		$ -	$ -
2035	10,037,977	477,999	9,559,978	9,798,978	1,512,164	1,512,164	$ -		$ -		$ -	$ -
2036	9,559,978	477,999	9,081,979	9,320,979	1,461,717	1,461,717	$ -		$ -		$ -	$ -
2037	9,081,979	477,999	8,603,980	8,842,980	1,411,270	1,411,270	$ -		$ -		$ -	$ -
2038	8,603,980	477,999	8,125,982	8,364,981	1,360,823	1,360,823	$ -		$ -		$ -	$ -
2039	8,125,982	477,999	7,647,983	7,886,982	1,310,376	1,310,376	$ -		$ -		$ -	$ -
2040	7,647,983	477,999	7,169,984	7,408,983	1,259,929	1,259,929	$ -		$ -		$ -	$ -
2041	7,169,984	477,999	6,691,985	6,930,984	1,209,482	1,209,482	$ -		$ -		$ -	$ -
2042	6,691,985	477,999	6,213,986	6,452,985	1,159,035	1,159,035	$ -		$ -		$ -	$ -
2043	6,213,986	477,999	5,735,987	5,974,986	1,108,588	1,108,588	$ -		$ -		$ -	$ -
2044	5,735,987	477,999	5,257,988	5,496,988	1,058,140	1,058,140	$ -		$ -		$ -	$ -
2045	5,257,988	477,999	4,779,989	5,018,989	1,007,693	1,007,693	$ -		$ -		$ -	$ -
2046	4,779,989	477,999	4,301,990	4,540,990	957,246	957,246	$ -		$ -		$ -	$ -
2047	4,301,990	477,999	3,823,991	4,062,991	906,799	906,799	$ -		$ -		$ -	$ -
2048	3,823,991	477,999	3,345,992	3,584,992	856,352	856,352	$ -		$ -		$ -	$ -
2049	3,345,992	477,999	2,867,993	3,106,993	805,905	805,905	$ -		$ -		$ -	$ -
2050	2,867,993	477,999	2,389,995	2,628,994	755,458	755,458	$ -		$ -		$ -	$ -
2051	2,389,995	477,999	1,911,996	2,150,995	705,011	705,011	$ -		$ -		$ -	$ -
2052	1,911,996	477,999	1,433,997	1,672,996	654,564	654,564	$ -		$ -		$ -	$ -
2053	1,433,997	477,999	955,998	1,194,997	604,117	604,117	$ -		$ -		$ -	$ -
2054	955,998	477,999	477,999	716,998	553,670	553,670	$ -		$ -		$ -	$ -
2055	477,999	477,999	-	238,999	503,222	503,222	$ -		$ -		$ -	$ -
2056	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		19,597,955			64,067,068	64,067,068	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

Project Description: RTEP ID: b1948 (Establish a new 765/345 interconnection at Sporn. Install a 765/345 kV transformer at Mountaineer and build ¾ mile of 345 kV to Sporn)

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	6,500,519	6,500,519	-
Prior Yr True-Up	6,636,239	6,636,239	-
True-Up Adjustment	135,720	135,720	-

Details			
Investment	56,691,968	Current Year	2020
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,382,731

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2015	56,691,968	691,365	56,000,602	56,346,285	6,638,045	6,638,045	$ -	$ 6,946,099	$ (308,054)	$ 6,946,099	$ (308,054)	$ -
2016	56,000,602	1,382,731	54,617,871	55,309,237	7,219,962	7,219,962	$ -	$ 6,500,748	$ 719,214	$ 6,500,748	$ 719,214	$ -
2017	54,617,871	1,382,731	53,235,140	53,926,506	7,074,031	7,074,031	$ -	$ 7,102,318	$ (28,287)	$ 7,102,318	$ (28,287)	$ -
2018	53,235,140	1,382,731	51,852,409	52,543,775	6,928,101	6,928,101	$ -	$ 6,178,627	$ 749,474	$ 6,178,627	$ 749,474	$ -
2019	51,852,409	1,382,731	50,469,678	51,161,044	6,782,170	6,782,170	$ -	$ 6,583,556	$ 198,614	$ 6,583,556	$ 198,614	$ -
2020	50,469,678	1,382,731	49,086,948	49,778,313	6,636,239	6,636,239	$ -	$ 6,500,519	$ 135,720	$ 6,500,519	$ 135,720	$ -
2021	49,086,948	1,382,731	47,704,217	48,395,582	6,490,308	6,490,308	$ -		$ -		$ -	$ -
2022	47,704,217	1,382,731	46,321,486	47,012,851	6,344,377	6,344,377	$ -		$ -		$ -	$ -
2023	46,321,486	1,382,731	44,938,755	45,630,120	6,198,447	6,198,447	$ -		$ -		$ -	$ -
2024	44,938,755	1,382,731	43,556,024	44,247,389	6,052,516	6,052,516	$ -		$ -		$ -	$ -
2025	43,556,024	1,382,731	42,173,293	42,864,658	5,906,585	5,906,585	$ -		$ -		$ -	$ -
2026	42,173,293	1,382,731	40,790,562	41,481,927	5,760,654	5,760,654	$ -		$ -		$ -	$ -
2027	40,790,562	1,382,731	39,407,831	40,099,197	5,614,724	5,614,724	$ -		$ -		$ -	$ -
2028	39,407,831	1,382,731	38,025,100	38,716,466	5,468,793	5,468,793	$ -		$ -		$ -	$ -
2029	38,025,100	1,382,731	36,642,369	37,333,735	5,322,862	5,322,862	$ -		$ -		$ -	$ -
2030	36,642,369	1,382,731	35,259,638	35,951,004	5,176,931	5,176,931	$ -		$ -		$ -	$ -
2031	35,259,638	1,382,731	33,876,907	34,568,273	5,031,000	5,031,000	$ -		$ -		$ -	$ -
2032	33,876,907	1,382,731	32,494,177	33,185,542	4,885,070	4,885,070	$ -		$ -		$ -	$ -
2033	32,494,177	1,382,731	31,111,446	31,802,811	4,739,139	4,739,139	$ -		$ -		$ -	$ -
2034	31,111,446	1,382,731	29,728,715	30,420,080	4,593,208	4,593,208	$ -		$ -		$ -	$ -
2035	29,728,715	1,382,731	28,345,984	29,037,349	4,447,277	4,447,277	$ -		$ -		$ -	$ -
2036	28,345,984	1,382,731	26,963,253	27,654,618	4,301,347	4,301,347	$ -		$ -		$ -	$ -
2037	26,963,253	1,382,731	25,580,522	26,271,887	4,155,416	4,155,416	$ -		$ -		$ -	$ -
2038	25,580,522	1,382,731	24,197,791	24,889,156	4,009,485	4,009,485	$ -		$ -		$ -	$ -
2039	24,197,791	1,382,731	22,815,060	23,506,426	3,863,554	3,863,554	$ -		$ -		$ -	$ -
2040	22,815,060	1,382,731	21,432,329	22,123,695	3,717,623	3,717,623	$ -		$ -		$ -	$ -
2041	21,432,329	1,382,731	20,049,598	20,740,964	3,571,693	3,571,693	$ -		$ -		$ -	$ -
2042	20,049,598	1,382,731	18,666,867	19,358,233	3,425,762	3,425,762	$ -		$ -		$ -	$ -
2043	18,666,867	1,382,731	17,284,136	17,975,502	3,279,831	3,279,831	$ -		$ -		$ -	$ -
2044	17,284,136	1,382,731	15,901,406	16,592,771	3,133,900	3,133,900	$ -		$ -		$ -	$ -
2045	15,901,406	1,382,731	14,518,675	15,210,040	2,987,970	2,987,970	$ -		$ -		$ -	$ -
2046	14,518,675	1,382,731	13,135,944	13,827,309	2,842,039	2,842,039	$ -		$ -		$ -	$ -
2047	13,135,944	1,382,731	11,753,213	12,444,578	2,696,108	2,696,108	$ -		$ -		$ -	$ -
2048	11,753,213	1,382,731	10,370,482	11,061,847	2,550,177	2,550,177	$ -		$ -		$ -	$ -
2049	10,370,482	1,382,731	8,987,751	9,679,116	2,404,246	2,404,246	$ -		$ -		$ -	$ -
2050	8,987,751	1,382,731	7,605,020	8,296,385	2,258,316	2,258,316	$ -		$ -		$ -	$ -
2051	7,605,020	1,382,731	6,222,289	6,913,655	2,112,385	2,112,385	$ -		$ -		$ -	$ -
2052	6,222,289	1,382,731	4,839,558	5,530,924	1,966,454	1,966,454	$ -		$ -		$ -	$ -
2053	4,839,558	1,382,731	3,456,827	4,148,193	1,820,523	1,820,523	$ -		$ -		$ -	$ -
2054	3,456,827	1,382,731	2,074,096	2,765,462	1,674,592	1,674,592	$ -		$ -		$ -	$ -
2055	2,074,096	1,382,731	691,365	1,382,731	1,528,662	1,528,662	$ -		$ -		$ -	$ -
2056	691,365	691,365	-	345,683	727,848	727,848	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		56,691,968			182,338,370	182,338,370	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

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

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	2,519,395	2,519,395	-
Prior Yr True-Up	2,574,828	2,574,828	-
True-Up Adjustment	55,433	55,433	-

Details

Investment	21,756,984	Current Year	2020
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	12	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	530,658

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2015	21,756,984	-	21,756,984	21,756,984	2,296,191	2,296,191	$ -	$ 2,348,715	$ (52,524)	$ 2,348,715	$ (52,524)	$ -
2016	21,756,984	530,658	21,226,326	21,491,655	2,798,846	2,798,846	$ -	$ 2,575,052	$ 223,794	$ 2,575,052	$ 223,794	$ -
2017	21,226,326	530,658	20,695,668	20,960,997	2,742,842	2,742,842	$ -	$ 2,745,014	$ (2,172)	$ 2,745,014	$ (2,172)	$ -
2018	20,695,668	530,658	20,165,010	20,430,339	2,686,837	2,686,837	$ -	$ 2,387,052	$ 299,785	$ 2,387,052	$ 299,785	$ -
2019	20,165,010	530,658	19,634,352	19,899,681	2,630,832	2,630,832	$ -	$ 2,545,928	$ 84,904	$ 2,545,928	$ 84,904	$ -
2020	19,634,352	530,658	19,103,693	19,369,023	2,574,828	2,574,828	$ -	$ 2,519,395	$ 55,433	$ 2,519,395	$ 55,433	$ -
2021	19,103,693	530,658	18,573,035	18,838,364	2,518,823	2,518,823	$ -		$ -		$ -	$ -
2022	18,573,035	530,658	18,042,377	18,307,706	2,462,819	2,462,819	$ -		$ -		$ -	$ -
2023	18,042,377	530,658	17,511,719	17,777,048	2,406,814	2,406,814	$ -		$ -		$ -	$ -
2024	17,511,719	530,658	16,981,061	17,246,390	2,350,809	2,350,809	$ -		$ -		$ -	$ -
2025	16,981,061	530,658	16,450,403	16,715,732	2,294,805	2,294,805	$ -		$ -		$ -	$ -
2026	16,450,403	530,658	15,919,745	16,185,074	2,238,800	2,238,800	$ -		$ -		$ -	$ -
2027	15,919,745	530,658	15,389,086	15,654,415	2,182,795	2,182,795	$ -		$ -		$ -	$ -
2028	15,389,086	530,658	14,858,428	15,123,757	2,126,791	2,126,791	$ -		$ -		$ -	$ -
2029	14,858,428	530,658	14,327,770	14,593,099	2,070,786	2,070,786	$ -		$ -		$ -	$ -
2030	14,327,770	530,658	13,797,112	14,062,441	2,014,781	2,014,781	$ -		$ -		$ -	$ -
2031	13,797,112	530,658	13,266,454	13,531,783	1,958,777	1,958,777	$ -		$ -		$ -	$ -
2032	13,266,454	530,658	12,735,796	13,001,125	1,902,772	1,902,772	$ -		$ -		$ -	$ -
2033	12,735,796	530,658	12,205,137	12,470,467	1,846,767	1,846,767	$ -		$ -		$ -	$ -
2034	12,205,137	530,658	11,674,479	11,939,808	1,790,763	1,790,763	$ -		$ -		$ -	$ -
2035	11,674,479	530,658	11,143,821	11,409,150	1,734,758	1,734,758	$ -		$ -		$ -	$ -
2036	11,143,821	530,658	10,613,163	10,878,492	1,678,753	1,678,753	$ -		$ -		$ -	$ -
2037	10,613,163	530,658	10,082,505	10,347,834	1,622,749	1,622,749	$ -		$ -		$ -	$ -
2038	10,082,505	530,658	9,551,847	9,817,176	1,566,744	1,566,744	$ -		$ -		$ -	$ -
2039	9,551,847	530,658	9,021,189	9,286,518	1,510,739	1,510,739	$ -		$ -		$ -	$ -
2040	9,021,189	530,658	8,490,530	8,755,859	1,454,735	1,454,735	$ -		$ -		$ -	$ -
2041	8,490,530	530,658	7,959,872	8,225,201	1,398,730	1,398,730	$ -		$ -		$ -	$ -
2042	7,959,872	530,658	7,429,214	7,694,543	1,342,726	1,342,726	$ -		$ -		$ -	$ -
2043	7,429,214	530,658	6,898,556	7,163,885	1,286,721	1,286,721	$ -		$ -		$ -	$ -
2044	6,898,556	530,658	6,367,898	6,633,227	1,230,716	1,230,716	$ -		$ -		$ -	$ -
2045	6,367,898	530,658	5,837,240	6,102,569	1,174,712	1,174,712	$ -		$ -		$ -	$ -
2046	5,837,240	530,658	5,306,582	5,571,911	1,118,707	1,118,707	$ -		$ -		$ -	$ -
2047	5,306,582	530,658	4,775,923	5,041,252	1,062,702	1,062,702	$ -		$ -		$ -	$ -
2048	4,775,923	530,658	4,245,265	4,510,594	1,006,698	1,006,698	$ -		$ -		$ -	$ -
2049	4,245,265	530,658	3,714,607	3,979,936	950,693	950,693	$ -		$ -		$ -	$ -
2050	3,714,607	530,658	3,183,949	3,449,278	894,688	894,688	$ -		$ -		$ -	$ -
2051	3,183,949	530,658	2,653,291	2,918,620	838,684	838,684	$ -		$ -		$ -	$ -
2052	2,653,291	530,658	2,122,633	2,387,962	782,679	782,679	$ -		$ -		$ -	$ -
2053	2,122,633	530,658	1,591,974	1,857,304	726,674	726,674	$ -		$ -		$ -	$ -
2054	1,591,974	530,658	1,061,316	1,326,645	670,670	670,670	$ -		$ -		$ -	$ -
2055	1,061,316	530,658	530,658	795,987	614,665	614,665	$ -		$ -		$ -	$ -
2056	530,658	530,658	-	265,329	558,660	558,660	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		21,756,984			71,125,082	71,125,082	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

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

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	168,073	168,073	-
Prior Yr True-Up	171,582	171,582	-
True-Up Adjustment	3,509	3,509	-

Details			
Investment	1,465,792	Current Year	2020
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	6	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	35,751

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2015	1,465,792	17,876	1,447,916	1,456,854	171,629	171,629	$ -	$ 231,097	$ (59,468)	$ 231,097	$ (59,468)	$ -
2016	1,447,916	35,751	1,412,165	1,430,041	186,675	186,675	$ -	$ 145,269	$ 41,406	$ 145,269	$ 41,406	$ -
2017	1,412,165	35,751	1,376,414	1,394,290	182,902	182,902	$ -	$ 174,707	$ 8,195	$ 174,707	$ 8,195	$ -
2018	1,376,414	35,751	1,340,663	1,358,539	179,129	179,129	$ -	$ 159,518	$ 19,611	$ 159,518	$ 19,611	$ -
2019	1,340,663	35,751	1,304,912	1,322,788	175,355	175,355	$ -	$ 170,220	$ 5,135	$ 170,220	$ 5,135	$ -
2020	1,304,912	35,751	1,269,161	1,287,037	171,582	171,582	$ -	$ 168,073	$ 3,509	$ 168,073	$ 3,509	$ -
2021	1,269,161	35,751	1,233,410	1,251,286	167,809	167,809	$ -		$ -		$ -	$ -
2022	1,233,410	35,751	1,197,659	1,215,535	164,036	164,036	$ -		$ -		$ -	$ -
2023	1,197,659	35,751	1,161,908	1,179,784	160,263	160,263	$ -		$ -		$ -	$ -
2024	1,161,908	35,751	1,126,157	1,144,033	156,490	156,490	$ -		$ -		$ -	$ -
2025	1,126,157	35,751	1,090,406	1,108,282	152,717	152,717	$ -		$ -		$ -	$ -
2026	1,090,406	35,751	1,054,655	1,072,530	148,944	148,944	$ -		$ -		$ -	$ -
2027	1,054,655	35,751	1,018,904	1,036,779	145,171	145,171	$ -		$ -		$ -	$ -
2028	1,018,904	35,751	983,153	1,001,028	141,398	141,398	$ -		$ -		$ -	$ -
2029	983,153	35,751	947,402	965,277	137,625	137,625	$ -		$ -		$ -	$ -
2030	947,402	35,751	911,651	929,526	133,851	133,851	$ -		$ -		$ -	$ -
2031	911,651	35,751	875,900	893,775	130,078	130,078	$ -		$ -		$ -	$ -
2032	875,900	35,751	840,149	858,024	126,305	126,305	$ -		$ -		$ -	$ -
2033	840,149	35,751	804,398	822,273	122,532	122,532	$ -		$ -		$ -	$ -
2034	804,398	35,751	768,647	786,522	118,759	118,759	$ -		$ -		$ -	$ -
2035	768,647	35,751	732,896	750,771	114,986	114,986	$ -		$ -		$ -	$ -
2036	732,896	35,751	697,145	715,020	111,213	111,213	$ -		$ -		$ -	$ -
2037	697,145	35,751	661,394	679,269	107,440	107,440	$ -		$ -		$ -	$ -
2038	661,394	35,751	625,643	643,518	103,667	103,667	$ -		$ -		$ -	$ -
2039	625,643	35,751	589,892	607,767	99,894	99,894	$ -		$ -		$ -	$ -
2040	589,892	35,751	554,141	572,016	96,121	96,121	$ -		$ -		$ -	$ -
2041	554,141	35,751	518,390	536,265	92,347	92,347	$ -		$ -		$ -	$ -
2042	518,390	35,751	482,639	500,514	88,574	88,574	$ -		$ -		$ -	$ -
2043	482,639	35,751	446,888	464,763	84,801	84,801	$ -		$ -		$ -	$ -
2044	446,888	35,751	411,137	429,012	81,028	81,028	$ -		$ -		$ -	$ -
2045	411,137	35,751	375,386	393,261	77,255	77,255	$ -		$ -		$ -	$ -
2046	375,386	35,751	339,635	357,510	73,482	73,482	$ -		$ -		$ -	$ -
2047	339,635	35,751	303,884	321,759	69,709	69,709	$ -		$ -		$ -	$ -
2048	303,884	35,751	268,133	286,008	65,936	65,936	$ -		$ -		$ -	$ -
2049	268,133	35,751	232,382	250,257	62,163	62,163	$ -		$ -		$ -	$ -
2050	232,382	35,751	196,631	214,506	58,390	58,390	$ -		$ -		$ -	$ -
2051	196,631	35,751	160,880	178,755	54,616	54,616	$ -		$ -		$ -	$ -
2052	160,880	35,751	125,129	143,004	50,843	50,843	$ -		$ -		$ -	$ -
2053	125,129	35,751	89,378	107,253	47,070	47,070	$ -		$ -		$ -	$ -
2054	89,378	35,751	53,627	71,502	43,297	43,297	$ -		$ -		$ -	$ -
2055	53,627	35,751	17,876	35,751	39,524	39,524	$ -		$ -		$ -	$ -
2056	17,876	17,876	-	8,938	18,819	18,819	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		1,465,792			4,714,426	4,714,426	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

Project Description: RTEP ID: b2020 (Rebuild Amos-Kanawha River 138 kV corridor)

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	17,629,472	17,629,472	-
Prior Yr True-Up	17,833,098	17,833,098	-
True-Up Adjustment	203,625	203,625	-

Details			
Investment	152,624,013	Current Year	2020
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	5	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	3,722,537

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2015	152,624,013	2,171,480	150,452,533	151,538,273	18,164,540	18,164,540	$ -	$ 772,367	$ 17,392,173	$ 772,367	$ 17,392,173	$ -
2016	150,452,533	3,722,537	146,729,996	148,591,265	19,404,575	19,404,575	$ -	$ 15,720,783	$ 3,683,792	$ 15,720,783	$ 3,683,792	$ -
2017	146,729,996	3,722,537	143,007,459	144,868,728	19,011,706	19,011,706	$ -	$ 19,038,423	$ (26,717)	$ 19,038,423	$ (26,717)	$ -
2018	143,007,459	3,722,537	139,284,923	141,146,191	18,618,836	18,618,836	$ -	$ 16,446,267	$ 2,172,569	$ 16,446,267	$ 2,172,569	$ -
2019	139,284,923	3,722,537	135,562,386	137,423,654	18,225,967	18,225,967	$ -	$ 17,622,795	$ 603,172	$ 17,622,795	$ 603,172	$ -
2020	135,562,386	3,722,537	131,839,849	133,701,117	17,833,098	17,833,098	$ -	$ 17,629,472	$ 203,625	$ 17,629,472	$ 203,625	$ -
2021	131,839,849	3,722,537	128,117,312	129,978,580	17,440,228	17,440,228	$ -		$ -		$ -	$ -
2022	128,117,312	3,722,537	124,394,775	126,256,043	17,047,359	17,047,359	$ -		$ -		$ -	$ -
2023	124,394,775	3,722,537	120,672,238	122,533,507	16,654,489	16,654,489	$ -		$ -		$ -	$ -
2024	120,672,238	3,722,537	116,949,701	118,810,970	16,261,620	16,261,620	$ -		$ -		$ -	$ -
2025	116,949,701	3,722,537	113,227,164	115,088,433	15,868,750	15,868,750	$ -		$ -		$ -	$ -
2026	113,227,164	3,722,537	109,504,627	111,365,896	15,475,881	15,475,881	$ -		$ -		$ -	$ -
2027	109,504,627	3,722,537	105,782,090	107,643,359	15,083,011	15,083,011	$ -		$ -		$ -	$ -
2028	105,782,090	3,722,537	102,059,554	103,920,822	14,690,142	14,690,142	$ -		$ -		$ -	$ -
2029	102,059,554	3,722,537	98,337,017	100,198,285	14,297,273	14,297,273	$ -		$ -		$ -	$ -
2030	98,337,017	3,722,537	94,614,480	96,475,748	13,904,403	13,904,403	$ -		$ -		$ -	$ -
2031	94,614,480	3,722,537	90,891,943	92,753,211	13,511,534	13,511,534	$ -		$ -		$ -	$ -
2032	90,891,943	3,722,537	87,169,406	89,030,674	13,118,664	13,118,664	$ -		$ -		$ -	$ -
2033	87,169,406	3,722,537	83,446,869	85,308,137	12,725,795	12,725,795	$ -		$ -		$ -	$ -
2034	83,446,869	3,722,537	79,724,332	81,585,601	12,332,925	12,332,925	$ -		$ -		$ -	$ -
2035	79,724,332	3,722,537	76,001,795	77,863,064	11,940,056	11,940,056	$ -		$ -		$ -	$ -
2036	76,001,795	3,722,537	72,279,258	74,140,527	11,547,187	11,547,187	$ -		$ -		$ -	$ -
2037	72,279,258	3,722,537	68,556,721	70,417,990	11,154,317	11,154,317	$ -		$ -		$ -	$ -
2038	68,556,721	3,722,537	64,834,184	66,695,453	10,761,448	10,761,448	$ -		$ -		$ -	$ -
2039	64,834,184	3,722,537	61,111,648	62,972,916	10,368,578	10,368,578	$ -		$ -		$ -	$ -
2040	61,111,648	3,722,537	57,389,111	59,250,379	9,975,709	9,975,709	$ -		$ -		$ -	$ -
2041	57,389,111	3,722,537	53,666,574	55,527,842	9,582,839	9,582,839	$ -		$ -		$ -	$ -
2042	53,666,574	3,722,537	49,944,037	51,805,305	9,189,970	9,189,970	$ -		$ -		$ -	$ -
2043	49,944,037	3,722,537	46,221,500	48,082,768	8,797,100	8,797,100	$ -		$ -		$ -	$ -
2044	46,221,500	3,722,537	42,498,963	44,360,231	8,404,231	8,404,231	$ -		$ -		$ -	$ -
2045	42,498,963	3,722,537	38,776,426	40,637,695	8,011,362	8,011,362	$ -		$ -		$ -	$ -
2046	38,776,426	3,722,537	35,053,889	36,915,158	7,618,492	7,618,492	$ -		$ -		$ -	$ -
2047	35,053,889	3,722,537	31,331,352	33,192,621	7,225,623	7,225,623	$ -		$ -		$ -	$ -
2048	31,331,352	3,722,537	27,608,815	29,470,084	6,832,753	6,832,753	$ -		$ -		$ -	$ -
2049	27,608,815	3,722,537	23,886,278	25,747,547	6,439,884	6,439,884	$ -		$ -		$ -	$ -
2050	23,886,278	3,722,537	20,163,742	22,025,010	6,047,014	6,047,014	$ -		$ -		$ -	$ -
2051	20,163,742	3,722,537	16,441,205	18,302,473	5,654,145	5,654,145	$ -		$ -		$ -	$ -
2052	16,441,205	3,722,537	12,718,668	14,579,936	5,261,276	5,261,276	$ -		$ -		$ -	$ -
2053	12,718,668	3,722,537	8,996,131	10,857,399	4,868,406	4,868,406	$ -		$ -		$ -	$ -
2054	8,996,131	3,722,537	5,273,594	7,134,862	4,475,537	4,475,537	$ -		$ -		$ -	$ -
2055	5,273,594	3,722,537	1,551,057	3,412,325	4,082,667	4,082,667	$ -		$ -		$ -	$ -
2056	1,551,057	1,551,057	-	775,529	1,632,905	1,632,905	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		152,624,013			489,542,296	489,542,296	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

Project Description: RTEP ID: b2022 (Terminate Tristate-Kyger Creek 345 kV line at Sporn)

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	503,037	503,037	-
Prior Yr True-Up	513,918	513,918	-
True-Up Adjustment	10,881	10,881	-

Details

Investment	4,358,345	Current Year	2020	
Service Year (yyyy)	2015	ROE increase accepted by FERC (Basis Points)	-	
Service Month (1-12)	10	FCR w/o incentives, less depreciation	10.55%	
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%	
CIAC (Yes or No)	No	Annual Depreciation Expense	106,301	

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2015	4,358,345	17,717	4,340,629	4,349,487	476,753	476,753	$ -	$ 366,645	$ 110,108	$ 366,645	$ 110,108	$ -
2016	4,340,629	106,301	4,234,328	4,287,478	558,793	558,793	$ -	$ 552,054	$ 6,739	$ 552,054	$ 6,739	$ -
2017	4,234,328	106,301	4,128,026	4,181,177	547,575	547,575	$ -	$ 493,365	$ 54,210	$ 493,365	$ 54,210	$ -
2018	4,128,026	106,301	4,021,725	4,074,876	536,356	536,356	$ -	$ 480,393	$ 55,963	$ 480,393	$ 55,963	$ -
2019	4,021,725	106,301	3,915,424	3,968,575	525,137	525,137	$ -	$ 508,709	$ 16,428	$ 508,709	$ 16,428	$ -
2020	3,915,424	106,301	3,809,123	3,862,274	513,918	513,918	$ -	$ 503,037	$ 10,881	$ 503,037	$ 10,881	$ -
2021	3,809,123	106,301	3,702,822	3,755,973	502,699	502,699	$ -		$ -		$ -	$ -
2022	3,702,822	106,301	3,596,521	3,649,671	491,480	491,480	$ -		$ -		$ -	$ -
2023	3,596,521	106,301	3,490,220	3,543,370	480,262	480,262	$ -		$ -		$ -	$ -
2024	3,490,220	106,301	3,383,919	3,437,069	469,043	469,043	$ -		$ -		$ -	$ -
2025	3,383,919	106,301	3,277,618	3,330,768	457,824	457,824	$ -		$ -		$ -	$ -
2026	3,277,618	106,301	3,171,316	3,224,467	446,605	446,605	$ -		$ -		$ -	$ -
2027	3,171,316	106,301	3,065,015	3,118,166	435,386	435,386	$ -		$ -		$ -	$ -
2028	3,065,015	106,301	2,958,714	3,011,865	424,168	424,168	$ -		$ -		$ -	$ -
2029	2,958,714	106,301	2,852,413	2,905,564	412,949	412,949	$ -		$ -		$ -	$ -
2030	2,852,413	106,301	2,746,112	2,799,263	401,730	401,730	$ -		$ -		$ -	$ -
2031	2,746,112	106,301	2,639,811	2,692,961	390,511	390,511	$ -		$ -		$ -	$ -
2032	2,639,811	106,301	2,533,510	2,586,660	379,292	379,292	$ -		$ -		$ -	$ -
2033	2,533,510	106,301	2,427,209	2,480,359	368,073	368,073	$ -		$ -		$ -	$ -
2034	2,427,209	106,301	2,320,908	2,374,058	356,855	356,855	$ -		$ -		$ -	$ -
2035	2,320,908	106,301	2,214,606	2,267,757	345,636	345,636	$ -		$ -		$ -	$ -
2036	2,214,606	106,301	2,108,305	2,161,456	334,417	334,417	$ -		$ -		$ -	$ -
2037	2,108,305	106,301	2,002,004	2,055,155	323,198	323,198	$ -		$ -		$ -	$ -
2038	2,002,004	106,301	1,895,703	1,948,854	311,979	311,979	$ -		$ -		$ -	$ -
2039	1,895,703	106,301	1,789,402	1,842,553	300,761	300,761	$ -		$ -		$ -	$ -
2040	1,789,402	106,301	1,683,101	1,736,251	289,542	289,542	$ -		$ -		$ -	$ -
2041	1,683,101	106,301	1,576,800	1,629,950	278,323	278,323	$ -		$ -		$ -	$ -
2042	1,576,800	106,301	1,470,499	1,523,649	267,104	267,104	$ -		$ -		$ -	$ -
2043	1,470,499	106,301	1,364,198	1,417,348	255,885	255,885	$ -		$ -		$ -	$ -
2044	1,364,198	106,301	1,257,896	1,311,047	244,667	244,667	$ -		$ -		$ -	$ -
2045	1,257,896	106,301	1,151,595	1,204,746	233,448	233,448	$ -		$ -		$ -	$ -
2046	1,151,595	106,301	1,045,294	1,098,445	222,229	222,229	$ -		$ -		$ -	$ -
2047	1,045,294	106,301	938,993	992,144	211,010	211,010	$ -		$ -		$ -	$ -
2048	938,993	106,301	832,692	885,843	199,791	199,791	$ -		$ -		$ -	$ -
2049	832,692	106,301	726,391	779,541	188,572	188,572	$ -		$ -		$ -	$ -
2050	726,391	106,301	620,090	673,240	177,354	177,354	$ -		$ -		$ -	$ -
2051	620,090	106,301	513,789	566,939	166,135	166,135	$ -		$ -		$ -	$ -
2052	513,789	106,301	407,488	460,638	154,916	154,916	$ -		$ -		$ -	$ -
2053	407,488	106,301	301,186	354,337	143,697	143,697	$ -		$ -		$ -	$ -
2054	301,186	106,301	194,885	248,036	132,478	132,478	$ -		$ -		$ -	$ -
2055	194,885	106,301	88,584	141,735	121,260	121,260	$ -		$ -		$ -	$ -
2056	88,584	88,584	-	44,292	93,259	93,259	$ -		$ -		$ -	$ -
2057	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		4,358,345			14,171,070	14,171,070	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

Project Description: RTEP ID: b1875 (138 kV Bradley to McClung upgrades)

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	248,870	248,870	-
Prior Yr True-Up	8,730,927	8,730,927	-
True-Up Adjustment	8,482,057	8,482,057	-

Details			
Investment	75,837,185	Current Year	2020
Service Year (yyyy)	2014	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	9	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	1,849,687

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2014	75,837,185	462,422	75,374,763	75,605,974	8,441,732	8,441,732	$ -	$ -	$ -	$ -	$ -	$ -
2015	75,374,763	1,849,687	73,525,076	74,449,919	9,706,990	9,706,990	$ -	$ -	$ -	$ -	$ -	$ -
2016	73,525,076	1,849,687	71,675,388	72,600,232	9,511,777	9,511,777	$ -	$ 1,188	$ 9,510,589	$ 1,188	$ 9,510,589	$ -
2017	71,675,388	1,849,687	69,825,701	70,750,545	9,316,565	9,316,565	$ -	$ 281,554	$ 9,035,011	$ 281,554	$ 9,035,011	$ -
2018	69,825,701	1,849,687	67,976,013	68,900,857	9,121,352	9,121,352	$ -	$ 262,335	$ 8,859,017	$ 262,335	$ 8,859,017	$ -
2019	67,976,013	1,849,687	66,126,326	67,051,170	8,926,140	8,926,140	$ -	$ 252,907	$ 8,673,233	$ 252,907	$ 8,673,233	$ -
2020	66,126,326	1,849,687	64,276,639	65,201,482	8,730,927	8,730,927	$ -	$ 248,870	$ 8,482,057	$ 248,870	$ 8,482,057	$ -
2021	64,276,639	1,849,687	62,426,951	63,351,795	8,535,715	8,535,715	$ -	$ -	$ -	$ -	$ -	$ -
2022	62,426,951	1,849,687	60,577,264	61,502,107	8,340,502	8,340,502	$ -	$ -	$ -	$ -	$ -	$ -
2023	60,577,264	1,849,687	58,727,576	59,652,420	8,145,290	8,145,290	$ -	$ -	$ -	$ -	$ -	$ -
2024	58,727,576	1,849,687	56,877,889	57,802,732	7,950,077	7,950,077	$ -	$ -	$ -	$ -	$ -	$ -
2025	56,877,889	1,849,687	55,028,201	55,953,045	7,754,865	7,754,865	$ -	$ -	$ -	$ -	$ -	$ -
2026	55,028,201	1,849,687	53,178,514	54,103,358	7,559,653	7,559,653	$ -	$ -	$ -	$ -	$ -	$ -
2027	53,178,514	1,849,687	51,328,826	52,253,670	7,364,440	7,364,440	$ -	$ -	$ -	$ -	$ -	$ -
2028	51,328,826	1,849,687	49,479,139	50,403,983	7,169,228	7,169,228	$ -	$ -	$ -	$ -	$ -	$ -
2029	49,479,139	1,849,687	47,629,452	48,554,295	6,974,015	6,974,015	$ -	$ -	$ -	$ -	$ -	$ -
2030	47,629,452	1,849,687	45,779,764	46,704,608	6,778,803	6,778,803	$ -	$ -	$ -	$ -	$ -	$ -
2031	45,779,764	1,849,687	43,930,077	44,854,920	6,583,590	6,583,590	$ -	$ -	$ -	$ -	$ -	$ -
2032	43,930,077	1,849,687	42,080,389	43,005,233	6,388,378	6,388,378	$ -	$ -	$ -	$ -	$ -	$ -
2033	42,080,389	1,849,687	40,230,702	41,155,546	6,193,165	6,193,165	$ -	$ -	$ -	$ -	$ -	$ -
2034	40,230,702	1,849,687	38,381,014	39,305,858	5,997,953	5,997,953	$ -	$ -	$ -	$ -	$ -	$ -
2035	38,381,014	1,849,687	36,531,327	37,456,171	5,802,740	5,802,740	$ -	$ -	$ -	$ -	$ -	$ -
2036	36,531,327	1,849,687	34,681,639	35,606,483	5,607,528	5,607,528	$ -	$ -	$ -	$ -	$ -	$ -
2037	34,681,639	1,849,687	32,831,952	33,756,796	5,412,315	5,412,315	$ -	$ -	$ -	$ -	$ -	$ -
2038	32,831,952	1,849,687	30,982,265	31,907,108	5,217,103	5,217,103	$ -	$ -	$ -	$ -	$ -	$ -
2039	30,982,265	1,849,687	29,132,577	30,057,421	5,021,890	5,021,890	$ -	$ -	$ -	$ -	$ -	$ -
2040	29,132,577	1,849,687	27,282,890	28,207,733	4,826,678	4,826,678	$ -	$ -	$ -	$ -	$ -	$ -
2041	27,282,890	1,849,687	25,433,202	26,358,046	4,631,465	4,631,465	$ -	$ -	$ -	$ -	$ -	$ -
2042	25,433,202	1,849,687	23,583,515	24,508,359	4,436,253	4,436,253	$ -	$ -	$ -	$ -	$ -	$ -
2043	23,583,515	1,849,687	21,733,827	22,658,671	4,241,040	4,241,040	$ -	$ -	$ -	$ -	$ -	$ -
2044	21,733,827	1,849,687	19,884,140	20,808,984	4,045,828	4,045,828	$ -	$ -	$ -	$ -	$ -	$ -
2045	19,884,140	1,849,687	18,034,453	18,959,296	3,850,615	3,850,615	$ -	$ -	$ -	$ -	$ -	$ -
2046	18,034,453	1,849,687	16,184,765	17,109,609	3,655,403	3,655,403	$ -	$ -	$ -	$ -	$ -	$ -
2047	16,184,765	1,849,687	14,335,078	15,259,921	3,460,190	3,460,190	$ -	$ -	$ -	$ -	$ -	$ -
2048	14,335,078	1,849,687	12,485,390	13,410,234	3,264,978	3,264,978	$ -	$ -	$ -	$ -	$ -	$ -
2049	12,485,390	1,849,687	10,635,703	11,560,546	3,069,765	3,069,765	$ -	$ -	$ -	$ -	$ -	$ -
2050	10,635,703	1,849,687	8,786,015	9,710,859	2,874,553	2,874,553	$ -	$ -	$ -	$ -	$ -	$ -
2051	8,786,015	1,849,687	6,936,328	7,861,172	2,679,340	2,679,340	$ -	$ -	$ -	$ -	$ -	$ -
2052	6,936,328	1,849,687	5,086,640	6,011,484	2,484,128	2,484,128	$ -	$ -	$ -	$ -	$ -	$ -
2053	5,086,640	1,849,687	3,236,953	4,161,797	2,288,916	2,288,916	$ -	$ -	$ -	$ -	$ -	$ -
2054	3,236,953	1,849,687	1,387,266	2,312,109	2,093,703	2,093,703	$ -	$ -	$ -	$ -	$ -	$ -
2055	1,387,266	1,387,266	-	693,633	1,460,470	1,460,470	$ -	$ -	$ -	$ -	$ -	$ -
2056	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2057	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2058	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2059	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2060	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2061	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2062	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2063	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2064	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2065	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2066	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2067	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2068	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2069	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2070	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2071	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2072	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
2073	-	-	-	-	-	-	$ -	$ -	$ -	$ -	$ -	$ -
Project Totals		75,837,185			245,916,059	245,916,059	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

Project Description: RTEP ID: b2230 (Replace existing 150 MVAR reactor at Amos 765 kV)

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	1,462,760	1,462,760	-
Prior Yr True-Up	1,497,876	1,497,876	-
True-Up Adjustment	35,116	35,116	-

Details

Investment	12,409,450	Current Year	2020
Service Year (yyyy)	2016	ROE increase accepted by FERC (Basis Points)	-
Service Month (1-12)	11	FCR w/o incentives, less depreciation	10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.	10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense	302,670

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2016	12,409,450	25,222	12,384,227	12,396,838	1,333,561	1,333,561	$ -		$ -		$ -	$ -
2017	12,384,227	302,670	12,081,558	12,232,892	1,593,706	1,593,706	$ -	$ 781,130	$ 812,576	$ 781,130	$ 812,576	$ -
2018	12,081,558	302,670	11,778,888	11,930,223	1,561,762	1,561,762	$ -	$ 1,367,423	$ 194,339	$ 1,367,423	$ 194,339	$ -
2019	11,778,888	302,670	11,476,219	11,627,553	1,529,819	1,529,819	$ -	$ 1,472,315	$ 57,504	$ 1,472,315	$ 57,504	$ -
2020	11,476,219	302,670	11,173,549	11,324,884	1,497,876	1,497,876	$ -	$ 1,462,760	$ 35,116	$ 1,462,760	$ 35,116	$ -
2021	11,173,549	302,670	10,870,880	11,022,214	1,465,933	1,465,933	$ -		$ -		$ -	$ -
2022	10,870,880	302,670	10,568,210	10,719,545	1,433,990	1,433,990	$ -		$ -		$ -	$ -
2023	10,568,210	302,670	10,265,541	10,416,875	1,402,047	1,402,047	$ -		$ -		$ -	$ -
2024	10,265,541	302,670	9,962,871	10,114,206	1,370,103	1,370,103	$ -		$ -		$ -	$ -
2025	9,962,871	302,670	9,660,202	9,811,536	1,338,160	1,338,160	$ -		$ -		$ -	$ -
2026	9,660,202	302,670	9,357,532	9,508,867	1,306,217	1,306,217	$ -		$ -		$ -	$ -
2027	9,357,532	302,670	9,054,863	9,206,197	1,274,274	1,274,274	$ -		$ -		$ -	$ -
2028	9,054,863	302,670	8,752,193	8,903,528	1,242,331	1,242,331	$ -		$ -		$ -	$ -
2029	8,752,193	302,670	8,449,524	8,600,858	1,210,388	1,210,388	$ -		$ -		$ -	$ -
2030	8,449,524	302,670	8,146,854	8,298,189	1,178,445	1,178,445	$ -		$ -		$ -	$ -
2031	8,146,854	302,670	7,844,185	7,995,519	1,146,501	1,146,501	$ -		$ -		$ -	$ -
2032	7,844,185	302,670	7,541,515	7,692,850	1,114,558	1,114,558	$ -		$ -		$ -	$ -
2033	7,541,515	302,670	7,238,846	7,390,180	1,082,615	1,082,615	$ -		$ -		$ -	$ -
2034	7,238,846	302,670	6,936,176	7,087,511	1,050,672	1,050,672	$ -		$ -		$ -	$ -
2035	6,936,176	302,670	6,633,507	6,784,841	1,018,729	1,018,729	$ -		$ -		$ -	$ -
2036	6,633,507	302,670	6,330,837	6,482,172	986,786	986,786	$ -		$ -		$ -	$ -
2037	6,330,837	302,670	6,028,168	6,179,502	954,842	954,842	$ -		$ -		$ -	$ -
2038	6,028,168	302,670	5,725,498	5,876,833	922,899	922,899	$ -		$ -		$ -	$ -
2039	5,725,498	302,670	5,422,829	5,574,163	890,956	890,956	$ -		$ -		$ -	$ -
2040	5,422,829	302,670	5,120,159	5,271,494	859,013	859,013	$ -		$ -		$ -	$ -
2041	5,120,159	302,670	4,817,490	4,968,824	827,070	827,070	$ -		$ -		$ -	$ -
2042	4,817,490	302,670	4,514,820	4,666,155	795,127	795,127	$ -		$ -		$ -	$ -
2043	4,514,820	302,670	4,212,151	4,363,485	763,183	763,183	$ -		$ -		$ -	$ -
2044	4,212,151	302,670	3,909,481	4,060,816	731,240	731,240	$ -		$ -		$ -	$ -
2045	3,909,481	302,670	3,606,812	3,758,146	699,297	699,297	$ -		$ -		$ -	$ -
2046	3,606,812	302,670	3,304,142	3,455,477	667,354	667,354	$ -		$ -		$ -	$ -
2047	3,304,142	302,670	3,001,473	3,152,807	635,411	635,411	$ -		$ -		$ -	$ -
2048	3,001,473	302,670	2,698,803	2,850,138	603,468	603,468	$ -		$ -		$ -	$ -
2049	2,698,803	302,670	2,396,134	2,547,468	571,524	571,524	$ -		$ -		$ -	$ -
2050	2,396,134	302,670	2,093,464	2,244,799	539,581	539,581	$ -		$ -		$ -	$ -
2051	2,093,464	302,670	1,790,795	1,942,129	507,638	507,638	$ -		$ -		$ -	$ -
2052	1,790,795	302,670	1,488,125	1,639,460	475,695	475,695	$ -		$ -		$ -	$ -
2053	1,488,125	302,670	1,185,456	1,336,790	443,752	443,752	$ -		$ -		$ -	$ -
2054	1,185,456	302,670	882,786	1,034,121	411,809	411,809	$ -		$ -		$ -	$ -
2055	882,786	302,670	580,117	731,451	379,865	379,865	$ -		$ -		$ -	$ -
2056	580,117	302,670	277,447	428,782	347,922	347,922	$ -		$ -		$ -	$ -
2057	277,447	277,447	-	138,724	292,088	292,088	$ -		$ -		$ -	$ -
2058	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		12,409,450			40,458,208	40,458,208	-					

** 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.

Worksheet K - ATRR TRUE-UP Calculation for PJM Projects Charged to Benefiting Zones

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

A. Base Plan Facilities

Facilities receiving incentives accepted by FERC in Docket No. (e.g. ER05-925-000)

Project Description: RTEP ID: b2423 (Install a 300 MVAR shunt reactor at AEP's Wyoming 765 kV station)

2020	Rev Require	W Incentives	Incentive Amounts
Prior Yr Projected	2,368,754	2,368,754	-
Prior Yr True-Up	2,437,330	2,437,330	-
True-Up Adjustment	68,576	68,576	-

Details

Investment	19,770,917	Current Year		2020
Service Year (yyyy)	2017	ROE increase accepted by FERC (Basis Points)		-
Service Month (1-12)	11	FCR w/o incentives, less depreciation		10.55%
Useful life	41	FCR w/incentives approved for these facilities, less dep.		10.55%
CIAC (Yes or No)	No	Annual Depreciation Expense		482,217

TRUE UP OF PROJECT REVENUE REQUIREMENT FOR PRIOR YEAR:

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

Investment Year	Beginning Balance	Depreciation Expense	Ending Balance	Average 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 WS J w/o Incentives	RTEP Rev Req't True-up w/o Incentives	RTEP Projected Rev. Req't.From Prior Year WS J with Incentives **	RTEP Rev Req't True-up with Incentives **	True-up of Incentive with Incentives **
2017	19,770,917	40,185	19,730,732	19,750,824	2,124,649	2,124,649	$ -	$ 1,226,646	$ 898,003	$ 1,226,646	$ 898,003	$ -
2018	19,730,732	482,217	19,248,514	19,489,623	2,539,115	2,539,115	$ -	$ 2,159,068	$ 380,047	$ 2,159,068	$ 380,047	$ -
2019	19,248,514	482,217	18,766,297	19,007,406	2,488,223	2,488,223	$ -	$ 2,374,315	$ 113,908	$ 2,374,315	$ 113,908	$ -
2020	18,766,297	482,217	18,284,079	18,525,188	2,437,330	2,437,330	$ -	$ 2,368,754	$ 68,576	$ 2,368,754	$ 68,576	$ -
2021	18,284,079	482,217	17,801,862	18,042,971	2,386,438	2,386,438	$ -		$ -		$ -	$ -
2022	17,801,862	482,217	17,319,644	17,560,753	2,335,546	2,335,546	$ -		$ -		$ -	$ -
2023	17,319,644	482,217	16,837,427	17,078,536	2,284,654	2,284,654	$ -		$ -		$ -	$ -
2024	16,837,427	482,217	16,355,209	16,596,318	2,233,761	2,233,761	$ -		$ -		$ -	$ -
2025	16,355,209	482,217	15,872,992	16,114,101	2,182,869	2,182,869	$ -		$ -		$ -	$ -
2026	15,872,992	482,217	15,390,775	15,631,883	2,131,977	2,131,977	$ -		$ -		$ -	$ -
2027	15,390,775	482,217	14,908,557	15,149,666	2,081,084	2,081,084	$ -		$ -		$ -	$ -
2028	14,908,557	482,217	14,426,340	14,667,448	2,030,192	2,030,192	$ -		$ -		$ -	$ -
2029	14,426,340	482,217	13,944,122	14,185,231	1,979,300	1,979,300	$ -		$ -		$ -	$ -
2030	13,944,122	482,217	13,461,905	13,703,013	1,928,407	1,928,407	$ -		$ -		$ -	$ -
2031	13,461,905	482,217	12,979,687	13,220,796	1,877,515	1,877,515	$ -		$ -		$ -	$ -
2032	12,979,687	482,217	12,497,470	12,738,578	1,826,623	1,826,623	$ -		$ -		$ -	$ -
2033	12,497,470	482,217	12,015,252	12,256,361	1,775,730	1,775,730	$ -		$ -		$ -	$ -
2034	12,015,252	482,217	11,533,035	11,774,143	1,724,838	1,724,838	$ -		$ -		$ -	$ -
2035	11,533,035	482,217	11,050,817	11,291,926	1,673,946	1,673,946	$ -		$ -		$ -	$ -
2036	11,050,817	482,217	10,568,600	10,809,708	1,623,053	1,623,053	$ -		$ -		$ -	$ -
2037	10,568,600	482,217	10,086,382	10,327,491	1,572,161	1,572,161	$ -		$ -		$ -	$ -
2038	10,086,382	482,217	9,604,165	9,845,274	1,521,269	1,521,269	$ -		$ -		$ -	$ -
2039	9,604,165	482,217	9,121,947	9,363,056	1,470,377	1,470,377	$ -		$ -		$ -	$ -
2040	9,121,947	482,217	8,639,730	8,880,839	1,419,484	1,419,484	$ -		$ -		$ -	$ -
2041	8,639,730	482,217	8,157,512	8,398,621	1,368,592	1,368,592	$ -		$ -		$ -	$ -
2042	8,157,512	482,217	7,675,295	7,916,404	1,317,700	1,317,700	$ -		$ -		$ -	$ -
2043	7,675,295	482,217	7,193,077	7,434,186	1,266,807	1,266,807	$ -		$ -		$ -	$ -
2044	7,193,077	482,217	6,710,860	6,951,969	1,215,915	1,215,915	$ -		$ -		$ -	$ -
2045	6,710,860	482,217	6,228,642	6,469,751	1,165,023	1,165,023	$ -		$ -		$ -	$ -
2046	6,228,642	482,217	5,746,425	5,987,534	1,114,130	1,114,130	$ -		$ -		$ -	$ -
2047	5,746,425	482,217	5,264,207	5,505,316	1,063,238	1,063,238	$ -		$ -		$ -	$ -
2048	5,264,207	482,217	4,781,990	5,023,099	1,012,346	1,012,346	$ -		$ -		$ -	$ -
2049	4,781,990	482,217	4,299,773	4,540,881	961,453	961,453	$ -		$ -		$ -	$ -
2050	4,299,773	482,217	3,817,555	4,058,664	910,561	910,561	$ -		$ -		$ -	$ -
2051	3,817,555	482,217	3,335,338	3,576,446	859,669	859,669	$ -		$ -		$ -	$ -
2052	3,335,338	482,217	2,853,120	3,094,229	808,776	808,776	$ -		$ -		$ -	$ -
2053	2,853,120	482,217	2,370,903	2,612,011	757,884	757,884	$ -		$ -		$ -	$ -
2054	2,370,903	482,217	1,888,685	2,129,794	706,992	706,992	$ -		$ -		$ -	$ -
2055	1,888,685	482,217	1,406,468	1,647,576	656,100	656,100	$ -		$ -		$ -	$ -
2056	1,406,468	482,217	924,250	1,165,359	605,207	605,207	$ -		$ -		$ -	$ -
2057	924,250	482,217	442,033	683,141	554,315	554,315	$ -		$ -		$ -	$ -
2058	442,033	442,033	-	221,016	465,358	465,358	$ -		$ -		$ -	$ -
2059	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2060	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2061	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2062	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2063	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2064	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2065	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2066	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2067	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2068	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2069	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2070	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2071	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2072	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2073	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2074	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2075	-	-	-	-	-	-	$ -		$ -		$ -	$ -
2076	-	-	-	-	-	-	$ -		$ -		$ -	$ -
Project Totals		19,770,917			64,458,608	64,458,608	-					

** 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.

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

		Average Balance of Common Equity				
Line No	Month (a)	Proprietary Capital (b)	Less: Preferred Stock (c)	Less Undistributed Sub Earnings (Acct 216.1) (d)	Less AOCI (Acct 219.1) (e)	Average Balance of Common Equity (f)=(b)-(c)-(d)-(e)
	(Note A)	(FF1 112.16)	(FF1 250-251)	(FF1 112.12)	(FF1 112.15)	
1	December Prior to Rate Year	631,136,203	-	-	-	631,136,203
2	January	718,722,021	-	-	-	718,722,021
3	February	725,389,526	-	-	-	725,389,526
4	March	732,665,933	-	-	-	732,665,933
5	April	741,012,356	-	-	-	741,012,356
6	May	747,197,861	-	-	-	747,197,861
7	June	750,655,666	-	-	-	750,655,666
8	July	755,776,504	-	-	-	755,776,504
9	August	763,323,864	-	-	-	763,323,864
10	September	770,225,097	-	-	-	770,225,097
11	October	788,117,622	-	-	-	788,117,622
12	November	795,804,422	-	-	-	795,804,422
13	December of Rate Year	802,267,557	-	-	-	802,267,557
14	Average of the 13 Monthly Balances	747,868,818	-	-	-	747,868,818

		Average Balance of Long Term Debt					
Line No	Month (a)	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)	Gross Proceeds Outstanding Long-Term Debt (g)=(b)-(c)+(d)+(e)-(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	-	-	612,600,000	-	-	612,600,000
16	January	-	-	612,600,000	-	-	612,600,000
17	February	-	-	612,600,000	-	-	612,600,000
18	March	-	-	612,600,000	-	-	612,600,000
19	April	-	-	612,600,000	-	-	612,600,000
20	May	-	-	612,600,000	-	-	612,600,000
21	June	-	-	612,600,000	-	-	612,600,000
22	July	-	-	612,600,000	-	-	612,600,000
23	August	-	-	612,600,000	-	-	612,600,000
24	September	-	-	612,600,000	-	-	612,600,000
25	October	-	-	612,600,000	-	-	612,600,000
26	November	-	-	612,600,000	-	-	612,600,000
27	December of Rate Year	-	-	612,600,000	-	-	612,600,000
28	Average of the 13 Monthly Balances	-	-	612,600,000	-	-	612,600,000

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 2020**						
30	Interest on Long Term Debt - Accts 221 - 224 (256-257.33.i)			23,231,080			
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)			356,592			
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)			24,506			
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)**			**23,563,166**			
37	**Average Cost of Debt for 2020 (Ln 36/ ln 28 (g))**			**3.85%**			

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 2020**	**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 respectiviely. Sales will be funtionalized based on the description of that asset. Sales of transmission assets will be direct assigned; sales of general assets will be functionalized on labor. Sales of plant held for future use related to generation or distribution will not be included in the formula.

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

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	**Calculation of PBOP Expenses**		
2	**AEP System PBOP Rate**		
3	Total AEP System PBOP expenses		-$109,892,067
4	Base Year relating to retired personnel		$0
5	Amount allocated on Labor		-$109,892,067
6	Total AEP System Direct Labor Expense		$1,489,637,636
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		5,300,207
10	Allowable TransCo PBOP Expense for current year (Ln 8 * Ln 9)		-$227,909
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)		-$702,934
15	Actual PBOP Expense	(Sum Lines 11-14)	-$702,934
16	PBOP Adjustment	Line 10 less Line 15	$475,025

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-recoery 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 VIRIGINIA TRANSMISSION COMPANY shall use the depreciation rates shown above by FERC Account until such time as the FERC approves new depreciation rates pusuant 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.

AEP East Consolidated Utility Capital Structure
Consolidation of Operating Companies' Capital Structure @ December 31, 2020
Worksheet Q Page 1

Line		Appalachian Power Company	Indiana Michigan Power Company	Kentucky Power Company	Kingsport Power Company	Ohio Power Company	Wheeling Power Company	AEP East Operating Companies' Consolidated Capital Structure
Development of Long Term Debt Balances at Year End								
1	Bonds (112.18.c&d)							-
2	Less: Reacquired Bonds (112.19.c&d)							-
3	LT Advances from Assoc. Companies (112.20.c&d)							-
4	Senior Unsecured Notes (112.21.c&d) Excludes Spent Nuc Fuel Disp Fund							-
5	Less: Fair Value Hedges (See Note on Ln 7 below)							-
6	**Total Long Term Debt Balance**	-	-	-	-	-	-	-
7	NOTE: The balance of fair value hedges on outstanding long term debt are to be excluded from the balance of long term debt included in the formula's capital structure. (page 257, Column H of the FF1)							
Development of Long Term Debt Interest Expense								
8	Interest on Long Term Debt (256-257.33.i)							-
9	Amort of Debt Discount & Expense (117.63.c)							-
10	Amort of Loss on Reacquired Debt (117.64.c)							-
11	Less: Amort of Premium on Debt (117.65.c)							-
12	Less: Amort of Gain on Reacquired Debt (117.66.c)							-
13	Less: Hedge Interest on pp 256-257(i)							-
14	**LTD Interest Expense**	-	-	-	-	-	-	-
Development of Cost of Preferred Stock and Preferred Dividends								
15	Dividend Rate (p. 250-251. 7.a)							
16	Par Value (p. 250-251. 8.c)							
17	Shares Outstanding (p.250-251. 8.e)							
18	Monetary Value (Ln 16 * Ln 17)	-	-	-	-	-	-	-
19	Dividend Amount (Ln 15 * Ln 18)	-	-	-	-	-	-	-
20	Dividend Rate (p. 250-251. 7.a)							
21	Par Value (p. 250-251. 8.c)							
22	Shares Outstanding (p.250-251. 8.e)							
23	Monetary Value (Ln 21 * Ln 22)	-	-	-	-	-	-	-
24	Dividend Amount (Ln 20 * Ln 23)	-	-	-	-	-	-	-
25	Dividend Rate (p. 250-251. 7.a)							
26	Par Value (p. 250-251. 8.c)							
27	Shares Outstanding (p.250-251. 8.e)							
28	Monetary Value (Ln 26 * Ln 27)	-	-	-	-	-	-	-
29	Dividend Amount (Ln 25 * Ln 28)	-	-	-	-	-	-	-
30	Dividend Rate (p. 250-251. 7.a)							
31	Par Value (p. 250-251. 8.c)							
32	Shares Outstanding (p.250-251. 8.e)							
33	Monetary Value (Ln 31 * Ln 32)	-	-	-	-	-	-	-
34	Dividend Amount (Ln 30 * Ln 33)	-	-	-	-	-	-	-
35	**Preferred Stock (Lns 18, 23, 28,33)**	-	-	-	-	-	-	-
36	**Preferred Dividends (Lns 19, 24, 29,34)**	-	-	-	-	-	-	-
Development of Common Equity								
37	Proprietary Capital (112.16.c)							-
38	Less: Preferred Stock (Ln 35 Above)	-	-	-	-	-	-	-
39	Less: Account 216.1 (112.12.c)							-
40	Less: Account 219.1 (112.15.c)							-
41	**Balance of Common Equity**	-	-	-	-	-	-	-
Calculation of Capital Shares								
42	Long Term Debt (Ln 6 Above)	-	-	-	-	-	-	-
43	Preferred Stock (Ln 35 Above)	-	-	-	-	-	-	-
44	Common Equity (Ln 41 Above)	-	-	-	-	-	-	-
45	Total Company Structure	-	-	-	-	-	-	-
46	LTD Capital Shares (Ln 42 / Ln 45)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
47	Preferred Stock Capital Shares (Ln 43 / Ln 45)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
48	Common Equity Capital Shares (Ln 44 / Ln 45)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
49	**Reserved**							
50	**Reserved**							
51	**Reserved**							
52	**Reserved**							
Calculation of Capital Cost Rate								
53	LTD Capital Cost Rate (Ln 14 / Ln 6)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
54	Preferred Stock Capital Cost Rate (Ln 36 / Ln 35)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
55	Common Equity Capital Cost Rate	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%
Calculation of Weighted Capital Cost Rate								
56	LTD Weighted Capital Cost Rate (Ln 46 * Ln 53)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
57	Preferred Stock Capital Cost Rate (Ln 47 * Ln 54)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
58	Common Equity Capital Cost Rate (Ln 48 * Ln 55)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
59	**Total Company Structure**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**

AEP East Consolidated Utility Capital Structure
Consolidation of Operating Companies' Capital Structure @ December 31, 2019
Worksheet Q Page 2

Line		Appalachian Power Company	Indiana Michigan Power Company	Kentucky Power Company	Kingsport Power Company	Ohio Power Company	Wheeling Power Company	AEP East Operating Companies' Consolidated Capital Structure
Development of Long Term Debt Balances at Year End								
60	Bonds (112.18.c&d)							-
61	Less: Reacquired Bonds (112.19.c&d)							-
62	LT Advances from Assoc. Companies (112.20.c&d)							-
63	Senior Unsecured Notes (112.21.c&d) Excludes Spent Nuc Fuel Disp Fund							-
64	Less: Fair Value Hedges (See Note on Ln 66 below)							-
65	**Total Long Term Debt Balance**	-	-	-	-	-	-	-
66	NOTE: 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. (p. 257, Column H of the FF1)							
Development of Long Term Debt Interest Expense								
67	Interest on Long Term Debt (256-257.33.i)							-
68	Amort of Debt Discount & Expense (117.63.c)							-
69	Amort of Loss on Reacquired Debt (117.64.c)							-
70	Less: Amort of Premium on Debt (117.65.c)							-
71	Less: Amort of Gain on Reacquired Debt (117.66.c)							-
72	Less: Hedge Interest on pp 256-257(i)							-
73	**LTD Interest Expense**	-	-	-	-	-	-	-
Development of Cost of Preferred Stock and Preferred Dividends								
74	Dividend Rate (p. 250-251. 7.a)							
75	Par Value (p. 250-251. 8.c)							
76	Shares Outstanding (p.250-251. 8.e)							
77	Monetary Value (Ln 75 * Ln 76)	-	-	-	-	-	-	-
78	Dividend Amount (Ln 74 * Ln 77)	-	-	-	-	-	-	-
79	Dividend Rate (p. 250-251. 7.a)							
80	Par Value (p. 250-251. 8.c)							
81	Shares Outstanding (p.250-251. 8.e)							
82	Monetary Value (Ln 80 * Ln 81)	-	-	-	-	-	-	-
83	Dividend Amount (Ln 79 * Ln 82)	-	-	-	-	-	-	-
84	Dividend Rate (p. 250-251. 7.a)							
85	Par Value (p. 250-251. 8.c)							
86	Shares Outstanding (p.250-251. 8.e)							
87	Monetary Value (Ln 85 * Ln 86)	-	-	-	-	-	-	-
88	Dividend Amount (Ln 84 * Ln 87)	-	-	-	-	-	-	-
89	Dividend Rate (p. 250-251. 7.a)							
90	Par Value (p. 250-251. 8.c)							
91	Shares Outstanding (p.250-251. 8.e)							
92	Monetary Value (Ln 90 * Ln 91)	-	-	-	-	-	-	-
93	Dividend Amount (Ln 89 * Ln 92)	-	-	-	-	-	-	-
94	**Preferred Stock (Lns 77, 82, 87,92)**	-	-	-	-	-	-	-
95	**Preferred Dividends (Lns 78, 83, 88,93)**	-	-	-	-	-	-	-
Development of Common Equity								
96	Proprietary Capital (112.16.c)							-
97	Less: Preferred Stock (Ln 94 Above)	-	-	-	-	-	-	-
98	Less: Account 216.1 (112.12.c)							-
99	Less: Account 219.1 (112.15.c)							-
100	**Balance of Common Equity**	-	-	-	-	-	-	-
Calculation of Capital Shares								
101	Long Term Debt (Ln 65 Above)	-	-	-	-	-	-	-
102	Preferred Stock (Ln 94 Above)	-	-	-	-	-	-	-
103	Common Equity (Ln 100 Above)	-	-	-	-	-	-	-
104	Total Company Structure	-	-	-	-	-	-	-
105	LTD Capital Shares (Ln 101 / Ln 104)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
106	Preferred Stock Capital Shares (Ln 102 / Ln 104)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
107	Common Equity Capital Shares (Ln 103 / Ln 104)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
108	**Reserved**							
109	**Reserved**							
110	**Reserved**							
111	**Reserved**							
Calculation of Capital Cost Rate								
112	LTD Capital Cost Rate (Ln 73 / Ln 65)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
113	Preferred Stock Capital Cost Rate (Ln 95 / Ln 94)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
114	Common Equity Capital Cost Rate	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%
Calculation of Weighted Capital Cost Rate								
115	LTD Weighted Capital Cost Rate (Ln 105 * Ln 112)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
116	Preferred Stock Capital Cost Rate (Ln 106 * Ln 113)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
117	Common Equity Capital Cost Rate (Ln 107 * Ln 114)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
118	**Total Company Structure**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**

AEP East Consolidated Utility Capital Structure
Consolidation of Operating Companies' Average Capital Structure
Worksheet Q Page 3

Line		Appalachian Power Company	Indiana Michigan Power Company	Kentucky Power Company	Kingsport Power Company	Ohio Power Company	Wheeling Power Company	AEP East Operating Companies' Consolidated Capital Structure
	Development of Average Long Term Debt							
119	Average Bonds (Ln 1 + Ln 60) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
120	Less: Average Reacquired Bonds (Ln 2 + Ln 61) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
121	Average LT Advances from Assoc. Companies (Ln 3 + Ln 62) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
122	Average Senior Unsecured Notes (Ln 4 + Ln 63) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
123	Less: Average Fair Value Hedges (See Note on Ln 125 below)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
124	**Average Balance of Long Term Debt**	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
125	NOTE: 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. (p. 257, Column H of the FF1)							
	Development of Long Term Debt Interest Expense							
126	Interest on Long Term Debt (256-257.33.i)	-	-	-	-	-	-	-
127	Amort of Debt Discount & Expense (117.63.c)	-	-	-	-	-	-	-
128	Amort of Loss on Reacquired Debt (117.64.c)	-	-	-	-	-	-	-
129	Less: Amort of Premium on Debt (117.65.c)	-	-	-	-	-	-	-
130	Less: Amort of Gain on Reacquired Debt (117.66.c)	-	-	-	-	-	-	-
131	Less: Hedge Interest on pp 256-257(i)	-	-	-	-	-	-	-
132	**LTD Interest Expense**	-	-	-	-	-	-	-
	Cost of Preferred Stock and Preferred Dividends							
133	Average Balance of Preferred Stock (Ln 35 + Ln 94) / 2	-	-	-	-	-	-	-
134	Preferred Dividends (Ln 36)	-	-	-	-	-	-	-
	Development of Average Common Equity							
135	Average Proprietary Capital (Ln 37 + Ln 96) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
136	Less: Average Preferred Stock (Ln 133 Above)	-	-	-	-	-	-	-
137	Less: Average Account 216.1 (Ln 39 + Ln 98) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
138	Less: Average Account 219.1 (Ln 40 + Ln 99) / 2	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
139	**Average Balance of Common Equity**	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Calculation of Capital Shares							
140	Average Balance of Long Term Debt (Ln 124 Above)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
141	Average Balance of Preferred Stock (Ln 133 Above)	-	-	-	-	-	-	-
142	Average Balance of Common Equity (Ln 139 Above)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
143	Average of Total Company Structure	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
144	Average Balance of LTD Capital Shares (Ln 140 / Ln 143)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
145	Average Balance of Preferred Stock Capital Shares (Ln 141 / Ln 143)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
146	Average Balance of Common Equity Capital Shares (Ln 142 / Ln 143)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
147	**Reserved**							
148	**Reserved**							
149	**Reserved**							
150	**Reserved**							
	Calculation of Capital Cost Rate							
151	LTD Capital Cost Rate (Ln 132 / Ln 124)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
152	Preferred Stock Capital Cost Rate (Ln 134 / Ln 133)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
153	Common Equity Capital Cost Rate	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%	11.49%
	Calculation of Weighted Capital Cost Rate							
154	LTD Weighted Capital Cost Rate (Ln 144 * Ln 151)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
155	Preferred Stock Capital Cost Rate (Ln 145 * Ln 152)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
156	Common Equity Capital Cost Rate (Ln 146 * Ln 153)	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
157	**ACTUAL WEIGHTED AVG COST OF CAPITAL**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**	**#DIV/0!**

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 2018 Available May 25, 2019		2018 Forecasted Revenue Requirement For Year 2018		True-up Adjustment - Over (Under) Recovery
$0	-	$0	=	$0

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
			0.4095%				
An over or under collection will be recovered prorata over 2018, held for 2019 and returned prorate over 2020							
Calculation of Interest					**Monthly**		
January	Year 2018	-	0.4095%	12	-		-
February	Year 2018	-	0.4095%	11	-		-
March	Year 2018	-	0.4095%	10	-		-
April	Year 2018	-	0.4095%	9	-		-
May	Year 2018	-	0.4095%	8	-		-
June	Year 2018	-	0.4095%	7	-		-
July	Year 2018	-	0.4095%	6	-		-
August	Year 2018	-	0.4095%	5	-		-
September	Year 2018	-	0.4095%	4	-		-
October	Year 2018	-	0.4095%	3	-		-
November	Year 2018	-	0.4095%	2	-		-
December	Year 2018	-	0.4095%	1	-		-
					-		-
					Annual		
January through December	Year 2019	-	0.4095%	12	-		-
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					**Monthly**		
January	Year 2020	-	0.4095%		-	-	-
February	Year 2020	-	0.4095%		-	-	-
March	Year 2020	-	0.4095%		-	-	-
April	Year 2020	-	0.4095%		-	-	-
May	Year 2020	-	0.4095%		-	-	-
June	Year 2020	-	0.4095%		-	-	-
July	Year 2020	-	0.4095%		-	-	-
August	Year 2020	-	0.4095%		-	-	-
September	Year 2020	-	0.4095%		-	-	-
October	Year 2020	-	0.4095%		-	-	-
November	Year 2020	-	0.4095%		-	-	-
December	Year 2020	-	0.4095%		-	-	-
					-		
True-Up Adjustment with Interest						-	
Less Over (Under) Recovery						-	
Total Interest						-	

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 2018 Available May 25, 2019		2018 Forecasted Revenue Requirement For Year 2018		True-up Adjustment - Over (Under) Recovery
$0	-	$0	=	$0

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
			0.4095%				

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

Calculation of Interest					**Monthly**		
January	Year 2018	-	0.4095%	12	-		-
February	Year 2018	-	0.4095%	11	-		-
March	Year 2018	-	0.4095%	10	-		-
April	Year 2018	-	0.4095%	9	-		-
May	Year 2018	-	0.4095%	8	-		-
June	Year 2018	-	0.4095%	7	-		-
July	Year 2018	-	0.4095%	6	-		-
August	Year 2018	-	0.4095%	5	-		-
September	Year 2018	-	0.4095%	4	-		-
October	Year 2018	-	0.4095%	3	-		-
November	Year 2018	-	0.4095%	2	-		-
December	Year 2018	-	0.4095%	1	-		-
					-		**-**
					Annual		
January through Decen	Year 2019	-	0.4095%	12	-		**-**
Over (Under) Recovery Plus Interest Amortized and Recovered Over 12 Months					**Monthly**		
January	Year 2020	**-**	0.4095%		-	-	-
February	Year 2020	-	0.4095%		-	-	-
March	Year 2020	-	0.4095%		-	-	-
April	Year 2020	-	0.4095%		-	-	-
May	Year 2020	-	0.4095%		-	-	-
June	Year 2020	-	0.4095%		-	-	-
July	Year 2020	-	0.4095%		-	-	-
August	Year 2020	-	0.4095%		-	-	-
September	Year 2020	-	0.4095%		-	-	-
October	Year 2020	-	0.4095%		-	-	-
November	Year 2020	-	0.4095%		-	-	-
December	Year 2020	-	0.4095%		-	-	-
					-		

True-Up Adjustment with Interest	-
Less Over (Under) Recovery	-
Total Interest	-

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.